FIRST AMENDMENT TO AGREEMENT NO. 34467

34467

THIS FIRST AMENDMENT TO AGREEMENT NO. 34467 is made and entered, in duplicate, as of March 18, 2020 for reference purposes only, pursuant to a minute order adopted by the City Council of the City of Long Beach at its meeting on March 17, 2020, by and between AECOM TECHNICAL SERVICES, INC., a California corporation ("Contractor"), with a place of business at 3995 Via Oro Avenue, Long Beach, California 90810, and the CITY OF LONG BEACH, a municipal corporation ("City").

WHEREAS, the City requires specialized services requiring unique skills to be performed in connection with groundwater monitoring and reporting at former City Fuel Sites 7, 20, 11, and 17; and

WHEREAS, the parties entered Agreement No. 34467 whereby Contractor agreed to provide these services; and

WHEREAS, the City requires specialized services to create a workplan for landfill gas monitoring infrastructure development to reduce methane gas levels at Davenport Park, as required by the Los Angeles County Department of Public Health;

WHEREAS, the parties desire to add additional services to the Scope of Work and increase the Agreement amount by $160,000 for a total contract amount not to exceed $1,782,380 for the period ending on September 30, 2021;

NOW, THEREFORE, in consideration of the mutual terms, covenants, and conditions herein contained, the parties agree as follows:

1. Section 1.A. of Agreement No. 34467 is hereby amended to read as follows:

"A. Contractor shall furnish specialized services more particularly described in Exhibit "A-1", attached to this Agreement and incorporated by this reference, in accordance with the standards of the profession, and City shall pay for these services in the manner described below, not to exceed One Million Seven Hundred Eighty Two Thousand Three Hundred Eighty Dollars ($1,782,380),

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
411 West Ocean Boulevard, 9th Floor
Long Beach, CA 90802-4511

at the rates or charges shown in Exhibit "A-2". Contractor shall provide additional specialized services as described in Exhibit "A-3", attached hereto and incorporated by this reference, at the rates or charges shown in the Cost Estimate included in Exhibit "A-3"."

2. Except as expressly modified herein, all of the terms and conditions contained in Agreement No. 34467 are ratified and confirmed and shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this document to be duly executed with all formalities required by law as of the date first stated above.

AECOM TECHNICAL SERVICES, INC., a California corporation

April 16, 2020, 2020

By _____
Name Mike Arvidson
Title Associate Vice President

_____, 2020

By _____
Name _____
Title _____

"Contractor"

CITY OF LONG BEACH, a municipal corporation

April 21, 2020

By Rebecca G. Garner
City Manager

EXECUTED PURSUANT TO SECTION 301 OF THE CITY CHARTER

This First Amendment to Agreement No. 34467 is approved as to form on April 20, 2020.

CHARLES PARKIN, City Attorney

By _____
Deputy

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
411 West Ocean Boulevard, 9th Floor
Long Beach, CA 90802-4511

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at the rates or charges shown in Exhibit "A-2". Contractor shall provide additional specialized services as described in Exhibit "A-3", attached hereto and incorporated by this reference, at the rates or charges shown in the Cost Estimate included in Exhibit "A-3"."

2. Except as expressly modified herein, all of the terms and conditions contained in Agreement No. 34467 are ratified and confirmed and shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this document to be duly executed with all formalities required by law as of the date first stated above.

AECOM TECHNICAL SERVICES, INC., a California corporation

April 15, 2020

By Jay F
Name Jay Francisco
Title Operations Mgr

_____, 2020

By _____
Name _____
Title _____

"Contractor"

CITY OF LONG BEACH, a municipal corporation

_____, 2020

By _____
City Manager

"City"

This First Amendment to Agreement No. 34467 is approved as to form on _____, 2020.

CHARLES PARKIN, City Attorney

By _____
Deputy

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
411 West Ocean Boulevard, 9th Floor
Long Beach, CA 90802-4511

EXHIBIT "A-3"

AECOM

Submitted to:
City of Long Beach
Fleet Services Bureau
Long Beach, CA

Submitted by:
AECOM
Long Beach, CA

December 19, 2019

Mr. Oliver Cruz
Fuel Operations Program Officer
Department of Financial Management | Fleet Services Bureau
City of Long Beach
2600 Temple Ave.
Long Beach, CA 90806

Subject: **Scope of Work and Cost Estimate, Former Paramount Dump**
2020 Waste Discharge Requirements Groundwater Monitoring and Reporting, Landfill Gas Monitoring and Reporting, and Landfill Gas Mitigation Planning & Design

Dear Mr. Cruz:

AECOM Technical Services, Inc. (AECOM) is pleased to submit this proposal to the City of Long Beach, California (the City) for the performance of the 2020 groundwater monitoring and reporting program, landfill gas (LFG) monitoring and reporting program, and the development of LFG mitigation plans and designs for the City-owned parcels of the former Paramount Dump, located at 2910 East 55th Way, Long Beach, California (Site).

Scope of Work

The groundwater scope of work (SOW) includes semiannual groundwater monitoring and reporting based on the Site's Waste Discharge Requirements (WDR), No. R4-2016-0361, and Monitoring and Reporting Program (MRP), No. CI-8327A, which were issued to the City of Long Beach by the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) on October 12, 2004 and revised December 14, 2016. A detailed description of the groundwater SOW is provided below.

The LFG SOW includes quarterly LFG monitoring and reporting based on the *Work Plan for Landfill Gas Monitoring Infrastructure Development, Revision 3* (November 20, 2019), approved by the Los Angeles County Local Enforcement Agency (LEA) on December 4, 2019, and planning and design of the LFG control system based on the *Landfill Gas Control System Workplan* (October 31, 2019). The workplans were submitted in response to requirements of LEA, per the *Closed Disposal Site Inspection Reports*, dated March 28, June 25, and September 19, 2019. A detailed description of the LFG SOW is provided below.

1. Groundwater Monitoring

Groundwater monitoring will be conducted on a semiannual basis at six locations, including three piezometers (PZ-1, PZ-2, PZ-3) and three groundwater monitoring wells (MW-1, MW-2, MW-3). Semiannual groundwater monitoring events will be performed in the first and third quarters of 2020, to comply with the LARWQCB reporting requirements (see Task 2 below).

Prior to conducting field monitoring and given that piezometers and wells are located on public streets, a Street Occupancy Permit will be obtained from the City Department of Public Works (DPW). Well MW-3 is located on Paramount Blvd., which is a busy traffic route, and will further require an approved traffic control plan by the City DPW and traffic control measures during field activities.

During semiannual field monitoring events, the following will be performed at each piezometer and well:

- Gauging for depth to fluid interface (groundwater and free product, if present) in one synchronized event. If free product (also known as light non-aqueous phase liquid [LNAPL]) is measured in a well at a thickness of 0.01 feet or more, the well will not be sampled for chemical analysis.
- Groundwater sampling. Samples will be collected using standard methods and sent to a State-certified laboratory for chemical analysis of three groups specified in the WDR MRP: 'Indicator Parameters' to be sampled semiannually and 'Supplemental Parameters' and 'Other COCs' to be sampled annually. It is estimated that one drum of non-hazardous purge/decontamination water will be generated during each semiannual event.
- Regular maintenance. Properly maintained wells prevent infiltration of standing and runoff water into the well heads that may become a habitat for insects and prevent opening of well covers by unauthorized personnel. Well lids, seals, threads, and bolts that break or wear out will be secured, aligned, and cleaned or replaced to maintain their proper functions. Well reconstruction, including well box and surface pad, well casing and screen, filter pack and seals are not included.

Quality control samples will be collected to validate and confirm the integrity of the analytical and sampling procedures. These include equipment blanks (one per day for reusable equipment), trip blanks (one per cooler for volatile analysis), and field duplicates (one per event).

Non-hazardous purge/decontamination water will be stored on-site in Department of Transportation approved 55-gallon drums and will be transported for disposal at an approved disposal/recycling facility.

2. Groundwater Reporting

This task consists of preparing and submitting groundwater monitoring reports for the Site per the WDR MRP. AECOM will compile and submit two reports in 2020, as specified below. The complete reports along with the field groundwater measurements and laboratory analytical data will be uploaded semiannually (by April 30 and October 30, 2020) to the LARWQCB GeoTracker online information system in the proper formats to satisfy the WDR and MRP requirements.

1. 2020 1st Semiannual Groundwater Monitoring Report. Due by April 30, 2020.
2. 2020 2nd Semiannual/ Annual Groundwater Monitoring Report. This report will include the data from the 1st and 2nd semiannual monitoring events. Due by October 30, 2020.

3. LFG Control System Design and Planning

This task includes full-scale system design (up to 10 drawing sheets) and support for City departments in the planning, permitting, and procurement processes, in preparation for the LFG control system construction and installation (anticipated in 2021). The following engineering design package deliverables will be developed, each to include one review meeting with relevant City personnel:

- Draft (60%);
- Draft-final (90%);
- Final (100%) Issue For Permitting;
- Issue For Bid; and
- Issue For Construction.

Once the system design is finalized (Issue For Permitting), an application will be submitted to the South Coast Air Quality Management District (SCAQMD) for permitting the system per Rule 1150.1. One revision of the application and one meeting with the SCAQMD are included.

4. LFG Monitoring and Reporting

Quarterly LFG monitoring events will be performed in 2020l to include all 24 LFG and perimeter monitoring probes (GW-1 through GW-12 A&B). During each event, soil gas samples will be collected and measured in the field for pressure and gas concentrations of volatile organic compounds (VOCs), hydrogen sulfide (H_2S), carbon dioxide (CO_2), methane (CH_4), nitrogen (N_2), and oxygen (O_2). Perimeter monitoring probes where methane exceedances (over 5%) are detected, if any, will be sampled for laboratory analysis verification, in accordance with Table 1 of the *Work Plan for Landfill Gas Monitoring Infrastructure Development, Revision 2* (October 8, 2019). For this proposal, it was assumed that two samples will be collected each quarter.

Four quarterly reports will be prepared and submitted following completion of the quarterly soil gas monitoring events. The reports will summarize the scope of work performed and monitoring and sampling results, include the field records and laboratory analytical reports, and present conclusions and recommendations.

5. Structure Sensor Monitoring

Continuous monitoring shall be provided in the park restroom structure, which is above the waste footprint, to include a continuous monitoring device that will detect any exceedances as they occur and alert the facility users via an alarm system. The 2020 SOW includes quarterly monitoring and calibration of the device, downloading recorded data, data review, and inclusion in the Quarterly LFG Monitoring Reports (per Item 4 above).

Cost Estimate

The estimated cost to implement the SOW described in this proposal is **$115,684**. A detail of labor and reimbursable rates and costs is provided in **Attachment A**. Fees and costs will be billed to the City on an accrued time and materials basis in accordance with Contract No. 34467 between AECOM and the City (dated September 14, 2016 and fully executed on December 28, 2016). The level of effort and estimated cost to perform the SOW described in this proposal is based upon the following assumptions:

1. The cost estimate is based on known Site conditions and regulations.
2. Site access will be facilitated by the City.
3. Field work will not be delayed or obstructed due to ongoing activities at the Site.
4. AECOM will attempt to minimize impacts to existing site activities, but will not be held responsible for interruptions to ongoing activities at the Site.
5. All field work will be completed under Level D or modified level D personal protective equipment.
6. The analytical costs are based on a normal turnaround time (5 to 10 business days) for soil or vapor samples analysis at an off-site fixed laboratory.
7. City permit fees are assumed to be at no cost.
8. Agency fees, including the LEA, SCAQMD, and any other applicable fees will be paid directly by the City of Long Beach.
9. Air permitting for the landfill gas control system LFG will not trigger CEQA requirements.
10. The installation of the bathroom structure sensor device and perimeter monitoring probe GW-12A/B are pre-requisites to the LFG quarterly monitoring and reporting program included in this proposal. These were included as part of AECOM's November 12, 2019 Change Order. City provided email Notice To Proceed on October 24, 2019, pending City Purchase Order (not received yet).

A cost and/or schedule adjustment may be necessary if changes to these assumptions occur during the course of the project.

AECOM appreciates the opportunity to submit this proposal to the City. If you have any questions or require additional information, please contact Assaf Rees at 562-213-4154.

Sincerely,

AECOM Technical Services, Inc.

Mike Arvidson
Operations Manager

Assaf Rees, P.E.
Project Manager

Attachment A: Cost Estimate

ATTACHMENT A

Cost Estimate

COST ESTIMATE

Landfill Gas Monitoring and Reporting Program
City of Long Beach Davenport Park/Former Paramount Landfill
2910 E. 55th Way, Long Beach, CA

		LFG Control System Design & Planning		Quarterly LFG Monitoring & Reporting		Quarterly Structure Monitoring & Reporting		Semiannual WDR Monitoring		Semiannual WDR Reporting		TOTAL	
Labor	Hourly	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Engineering Manager	$ 180.00	60	$ 10,800.00		$ -		$ -		$ -		$ -	60	$ 10,800.00
Project Engineer II	$ 160.00	40	$ 6,400.00	32	$ 5,120.00	1	$ 160.00	24	$ 3,840.00	28	$ 4,480.00	125	$ 20,000.00
Engineer II/ Scientist III	$ 95.00	120	$ 11,400.00	96	$ 9,120.00	16	$ 1,520.00	20	$ 1,900.00	64	$ 6,080.00	316	$ 30,020.00
Scientist II	$ 80.00		$ -	64	$ 5,120.00	16	$ 1,280.00	50	$ 4,000.00		$ -	130	$ 10,400.00
Drafter III	$ 95.00	200	$ 19,000.00	16	$ 1,520.00		$ -		$ -	20	$ 1,900.00	236	$ 22,420.00
GIS Manager	$ 140.00		$ -	16	$ 2,240.00		$ -		$ -	20	$ 2,800.00	36	$ 5,040.00
GIS Specialist III	$ 95.00		$ -		$ -		$ -		$ -	8	$ 760.00	8	$ 760.00
Project Administrator III	$ 95.00	4	$ 380.00	3	$ 285.00		$ -	4	$ 380.00		$ -	11	$ 1,045.00
Labor Subtotal		**424**	**$ 47,980.00**	**227**	**$ 23,405.00**	**33**	**$ 2,960.00**	**98**	**$ 10,120.00**	**140**	**$ 16,020.00**	**922**	**$ 100,485.00**
Subcontractors	Unit Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost
LFG Analytical Lab - VOCs	$ 145.00		$ -	8	$ 1,160.00		$ -		$ -		$ -	8	$ 1,160.00
LFG Analytical Lab - Fixed gases	$ 85.00		$ -	8	$ 680.00		$ -		$ -		$ -	8	$ 680.00
LFG Analytical Lab - H_2S	$ 95.00		$ -	8	$ 760.00		$ -		$ -		$ -	8	$ 760.00
Canister Rental - 6.0 L	$ 55.00		$ -	8	$ 440.00		$ -		$ -		$ -	8	$ 440.00
GW Analytical Lab - VOCs	$ 58.00		$ -		$ -		$ -	18	$ 1,044.00		$ -	18	$ 1,044.00
GW Analytical Lab - Indicators	$ 129.50		$ -		$ -		$ -	14	$ 1,813.00		$ -	14	$ 1,813.00
GW Analytical Lab - Supplemental	$ 181.50		$ -		$ -		$ -	7	$ 1,270.50		$ -	7	$ 1,270.50
Traffic Control - 1/2 Day	$ 600.00		$ -		$ -		$ -	2	$ 1,200.00		$ -	2	$ 1,200.00
Waste Disposal - GW	$ 305.00		$ -		$ -		$ -	2	$ 610.00		$ -	2	$ 610.00
Subtotal Prof. Services			$ -		$ 3,040.00		$ -		$ 5,937.50		$ -		$ 8,977.50
Markup	10%		$ -		$ 304.00		$ -		$ 593.75		$ -		$ 897.75
Total Prof. Services			**$ -**		**$ 3,344.00**		**$ -**		**$ 6,531.25**		**$ -**		**$ 9,875.25**
Reimbursables	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost	#Sets/ Units	Cost
Equipment & Materials - LFG	$ 100.00		$ -	4	$ 400.00		$ -		$ -		$ -	4	$ 400.00
Equipment & Materials - GW	$ 660.00		$ -		$ -		$ -	4	$ 2,640.00		$ -	4	$ 2,640.00
Vehicles & Travel (/day)	$ 100.00		$ -	8	$ 800.00	0	$ -	4	$ 400.00		$ -	12	$ 1,200.00
PPE & consumables (/day)	$ 50.00		$ -	8	$ 400.00	0	$ -	4	$ 200.00		$ -	12	$ 600.00
Subtotal Reimbursables			$ -		$ 1,600.00		$ -		$ 3,240.00		$ -		$ 4,840.00
Markup	10%		$ -		$ 160.00		$ -		$ 324.00		$ -		$ 484.00
Total Reimbursables			**$ -**		**$ 1,760.00**		**$ -**		**$ 3,564.00**		**$ -**		**$ 5,324.00**
TOTAL COST			**$ 47,980.00**		**$ 28,509.00**		**$ 2,960.00**		**$ 20,215.25**		**$ 16,020.00**		**$ 116,684.25**