

City of Long Beach Stormwater Program

January 2019

CITY OF
LONG BEACH

Presented by Melissa You



Introduction

Sewer vs. Storm Drain



From the Streets
to the Sea...



Impacts of Urban Pollutants



Trash



Recreation Impairment
Habitat Degradation
Visual Blight



Nutrients



Eutrophication
O₂ Depletion
Fish Kills



Sediment



Turbidity
Fish Respiration Impairment
Pollutant Transport



Oil & Grease



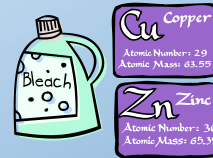
Toxicity



Bacteria



Disease
Beach Closures
Loss of Revenue



Organics/Metals



Toxic Bio-
accumulation

Regulatory Background, Projects, & Programs

Path to the MS4 Permit

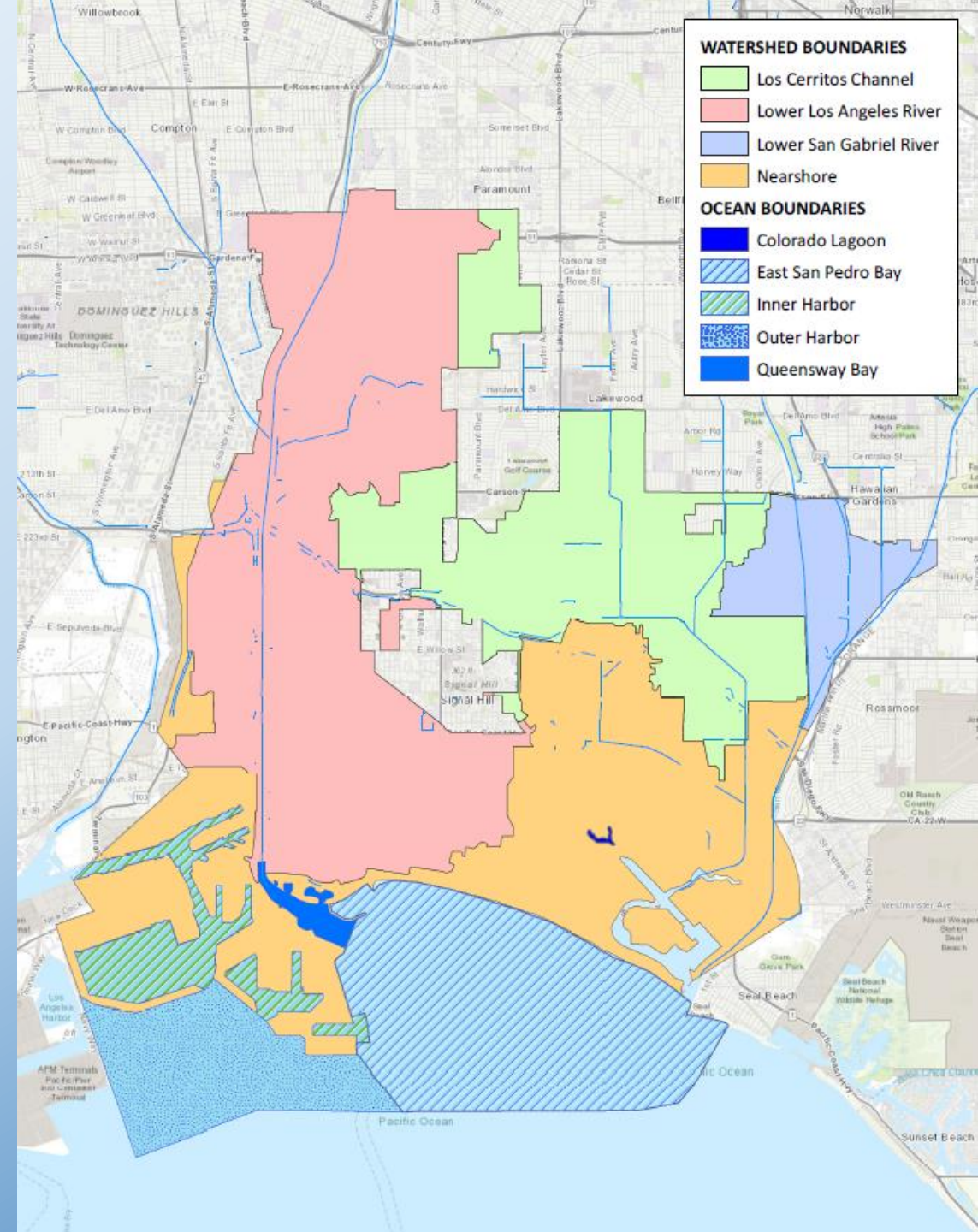


NPDES Permit Program

- The National Pollutant Discharge Elimination System (NPDES) Permit Program was created under the Clean Water Act to address water pollution
- In California, permitting, administration, and enforcement are largely conducted by the Regional Water Quality Control Boards (Regional Boards)
- The City of Long Beach is subject to its own NPDES Permit, which was issued by the Los Angeles Regional Board in 2014 to comprehensively regulate stormwater and non-stormwater discharges
- Beginning in 2014, Watershed Management Programs (WMPs) were developed to outline the paths to achieving compliance with the NPDES Permit

Applicable Watershed Groups

- Los Cerritos Channel
- Lower Los Angeles River
- Lower San Gabriel River
- Nearshore



Regional Watershed Projects

- The City has undertaken numerous multi-million dollar projects (in various stages of completion) to comply with the regulations



El Dorado Regional Project

- Description:
 - Interception of Artesia-Norwalk Storm Drain, diversion to treatment wetlands
 - Promotion of infiltration
 - Revegetation with native species
 - Creation of new riparian habitats
- Drainage Area: 870 acres
- BMP Capacity: 56 acre-feet
- Purpose: improve water quality/supply, improve flood management, practice resources stewardship, address needs of disadvantaged communities (DACs)
- Status: design in progress



Long Beach MUST

- Description:
 - Stormwater and urban runoff treatment facility
- Drainage Area: 12,000 acres; serves a DAC
- Treatment Capacity: ~436,000 gallons/day
- Purpose: improve water quality/supply, improve flood management, practice resources stewardship, address needs of disadvantaged communities (DACs)
- Status: design near completion



Minimum Control Measures

In addition to compliance on a watershed level, the Permit requires the implementation of six “day-to-day” programs, known as Minimum Control Measures:

- Illicit Connections & Illicit Discharges Elimination Program
- Industrial/Commercial Facilities Program
- Public Information & Participation Program
- Planning & Land Development Program
- Construction Program
- Public Agency Activities Program

Illicit Connection & Illicit Discharges Elimination Program

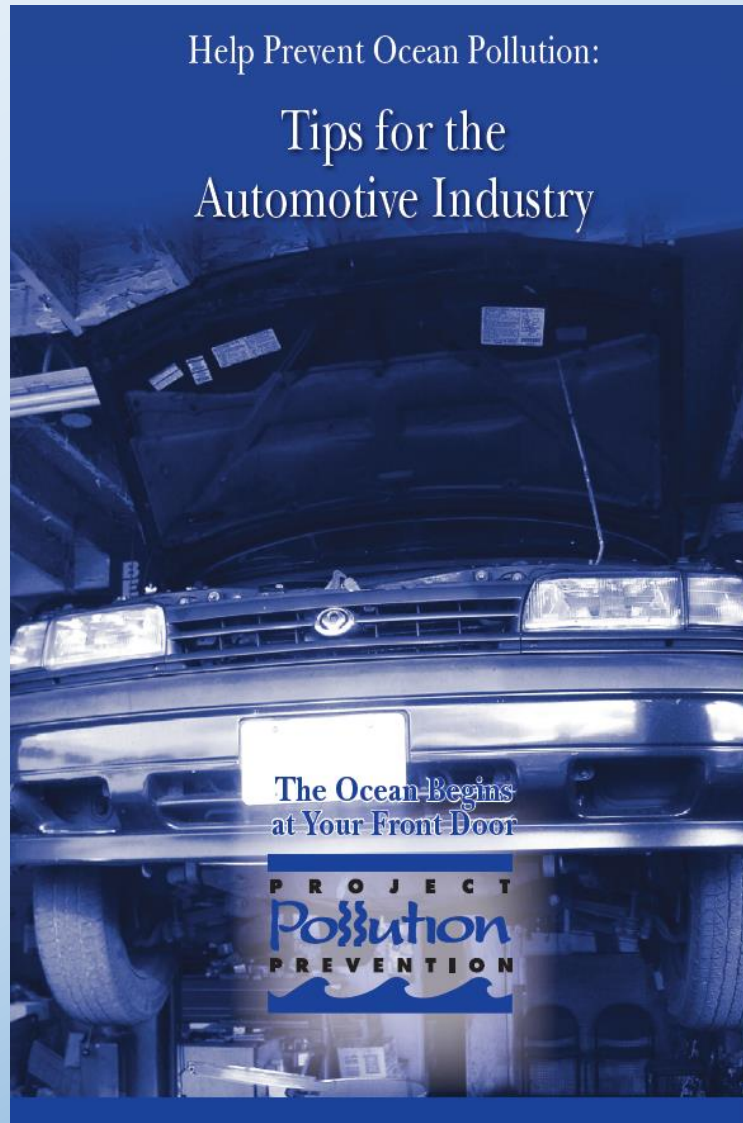
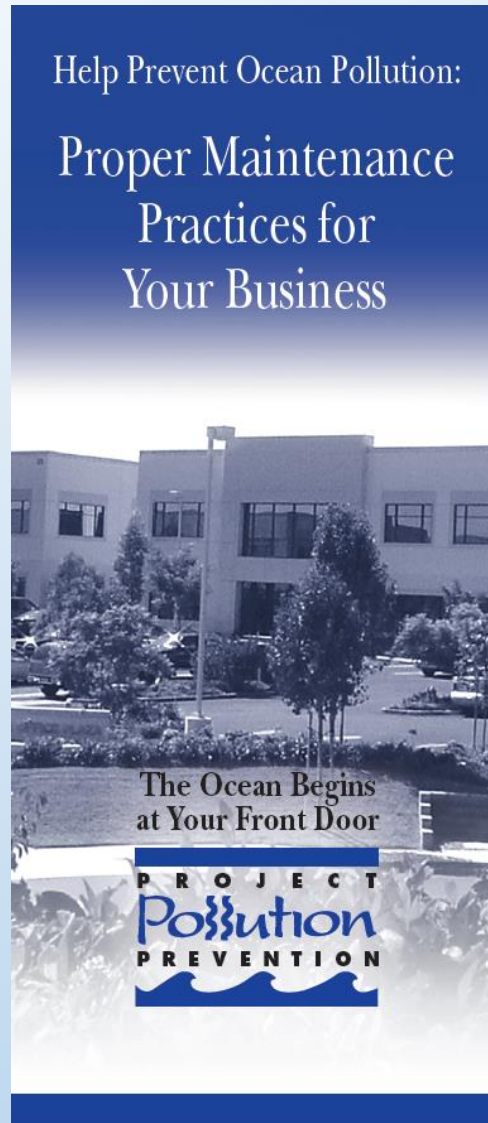
- The City maintains a public hotline for reporting illicit connections and discharges, and implements an enforcement program to identify and eliminate them



Industrial/Commercial Facilities Program

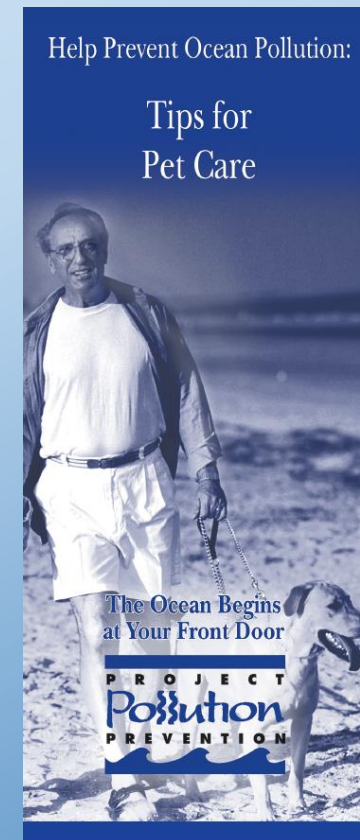
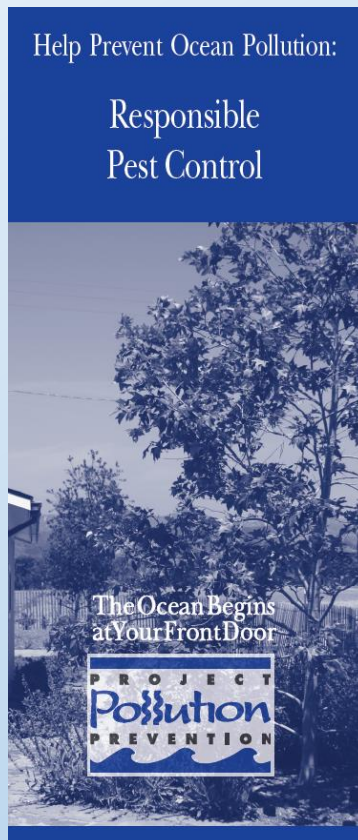
- Two cycles of industrial and commercial business site inspections are required during the 5-year span of the NPDES Permit
- The City has an inventory of over 2,200 facilities that require inspections
- In the 2017-2018 reporting year, over 900 inspections were conducted

Outreach Materials Developed for Businesses



Public Information & Participation Program

- The City has promoted stormwater pollution prevention through hosting environmental programs booths at select City events and through its Point-of-Purchase Outreach Program



Business Engagement

Coordinating with the City

- Contact the City with partnership inquiries
- Report illicit connections/discharges
- Cooperate with City staff during inspections
- Train staff on relevant stormwater regulations and practices

Questions?
