

Long Beach

Annual Report, Individual Form Reporting Year 2018-2019

Los Angeles County Municipal Storm Water Permit
(Order No. R4-2012-0175 as amended by Order WQ 2015-0075)
NPDES No. CAS004001

Contact Information

Permittee Name	City of Long Beach
Permittee Program Contact	Melissa You
Title	Stormwater/Environmental Compliance Officer
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City	Long Beach
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"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of either a principal executive officer, ranking elected official, or by a duly authorized representative of a principal executive officer or ranking elected official. A person is a duly authorized representative only if:

- a. The authorization is made in writing by a principal executive officer or ranking elected official.
- b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
- c. The written authorization is submitted to the Regional Board.

If an authorization of a duly authorized representative is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization will be submitted to the Regional Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

Signature Melissa You

Name Melissa You

Title Stormwater/Environmental Compliance Officer

City Long Beach

Date 12/12/19

1: Legal Authority and Certification

1.1 Is there a current statement certified by the Permittees chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce each of the requirements contained in 40 CFR 122.26(d)(2)(i)(A-F) and the Permit?

Yes

Has the above statement been developed or updated within the reporting year?

No

If the answer to the above question is yes, then attach the updated legal authority statement to this report.

 No files attached

1.2 Complete the required certification below [Attachment D, V.B.5]:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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See Section 1 Attachments for the contents of this file

2: Program Expenditures

2.1 Source(s) of funds used in the past year, and proposed for the coming year, to meet necessary expenditures on the Permittees stormwater management program. [M.A.3.b]

City of Long Beach (COLB):
 General Fund
 Water Department Fund from water and sewer services
 Capital Improvement Project (CIP) Funds
 Prop 84 - Clean Beaches Initiative Grant
 State Grants (CalRecycle)

Port of Long Beach (POLB):
 Harbor General Funds

The COLB and the POLB responses are separate when applicable throughout the Long Beach Individual Annual Report Reporting Year 2018-19.

2.2 Complete the table on program expenditures below [Attachment D VI] ¹
 Table 2a: Program Expenditures

Category	Expenditures for Reporting Year	Program Budget for Next Reporting Year
Program Management	\$450,000	\$450,000
Public Information and Participation Program	\$100,000	\$100,000
Industrial & Commercial Facilities Program	\$150,000	\$150,000
Planning and Land Development Program	\$125,000	\$125,000
Development Construction Program	\$110,000	\$110,000
Public Agency Activities Program	\$1,000,000	\$1,000,000
Illicit Connections and Illicit Discharges Program	\$100,000	\$100,000
Additional Institutional BMPs & Enhanced MCMs	\$300,000	\$300,000
Distributed Projects and Green Streets	\$100,000	\$100,000
Regional Projects	\$200,000	\$200,000

Restoration Projects		
Monitoring	\$1,345,000	\$1,345,000
NPDES MS4 Permit Fees	\$50,000	\$50,000
Other		
Total	\$3,250,000	\$3,250,000

2.3 Please add any additional comments on stormwater expenditures below:

3: Discharge Prohibitions and Receiving Water Limitations

3.1 Did you develop and implement procedures to ensure that a discharger, if not a named Permittee in this Order, fulfilled the requirements of Part III.A4.a.i-vi? If so, provide a link to where the procedures may be found or attach to the Annual Report [III.A4.a]

The City's Stormwater and Runoff Pollution Control Ordinance is codified in Municipal Code Title 8, Chapter 8.96. The code addresses dischargers not named in the MS4 Permit. Link:
https://www.mulanned-non-stormwatnicode.com/library/ca/long_beach/codes/municipal_code?nodeId=TIT8HESA_CH8.96STRUPOCO

The City as the water purveyor is covered under the statewide Drinking Water System (DWS) Releases NPDES Permit (issued March 2016, NPDES Order No. CAG140001, Discharge ID 4DW0175).

3.2 Did you develop and implement procedures that minimize the discharge of landscape irrigation water into the MS4? If so, provide a link to where the procedures may be found or attach to the Annual Report [III.A4.b]

The City declared a State 1 Water Supply Shortage limiting outdoor watering (Resolution No.-1353). The procedures and information addressing outdoor watering such as, conservation tips, programs, and report a water waster platforms can be found on the City's Water Department website: <http://www.lbwater.org/conservation>.
<http://www.lbwater.org/water-use-prohibitions>

Watering is allowed three times per week from April 1 through September 30, and two times per week from October 1 through March 31. Other residential and commercial restrictions are as follows:

- 1) Residents and businesses can only irrigate landscape 10 minutes per station per watering day, or 20 minutes if using water-efficient rotating nozzles.
- 2) Residents and businesses can only irrigate landscape before 9am or after 4pm.
- 3) Residents and businesses cannot irrigate landscape during measurable rainfall or anytime within 48 hours afterwards.
- 4) Residents and businesses cannot irrigate landscape or use water in any other manner that results in unreasonable runoff where water flows onto adjacent property, non-irrigated areas, private and public walks, roadways, parking lots or structures.
- 5) Residents and businesses cannot wash hardscape (driveways, sidewalks, parking areas, patios, other outdoor impermeable surface areas) with a hose, unless using a pressurized cleaning device.
- 6) Residents and businesses cannot allow the wasting of water due to plumbing or pipeline breaks, leaks or other malfunctions.
- 7) Residents cannot wash a vehicle with a hose unless it has a water shut-off nozzle or device attached to the hose that prevents water from running continuously while washing.

In addition to residential and commercial watering restrictions, the City sends out quarterly newsletters with the water bill that includes information regarding rebates, tips, and other programs that incentivize residents to save water. The "Water Smart" campaign particularly focuses on single family homes. The campaign sends out further quarterly information regarding rebates, tips, and efficient water use.

The City also promotes Water Conservation Rebate Resources for residential, apartment/condominiums, and commercial properties, through the SoCal WaterSmart Program, found at the following link:
<http://www.lbwater.org/Rebates>

Lastly, the City also offers a new smart irrigation drip program called, "Lawn-to-Garden Turf Replacement Program," allowing residents to convert to a water-efficient landscape. Found at the following link:
<http://www.lblawntogarden.com/>

Regarding the Port of Long Beach: Maintenance follows the irrigation guidelines established by the City of Long Beach. Drought tolerant landscaping is installed where possible. Regular inspections by Maintenance staff and contractors ensure existing and new irrigation systems are working properly.

3.3 Where Receiving Water Limitations were exceeded, describe efforts that were taken to determine whether

discharges from the MS4 caused or contributed to the exceedances and all efforts that were taken to control the discharge of pollutants from the MS4 to those receiving waters in response to the exceedances [Attachment E XIII.A.5.e]

See the Watershed Annual Report for information on Receiving Water Limitations exceedances. Regarding efforts to determine whether discharges from the MS4 caused or contributed to exceedances: The watershed group's outfall screening program, along with the City's illicit discharge/illicit connection detection, public agency activities, industrial/commercial, and construction inspection programs assist in the detection of discharges from the City to the MS4 that could cause or contribute to exceedances. These programs did not indicate that the City caused or contributed to an exceedance. Regarding efforts taken to address exceedances: See the control measures listed in Annual Report Sections 3, 5, 6, 7, and 8.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

4: Non-Stormwater Outfall Screening and Monitoring

4.1 Complete the following tables regarding your Non-Stormwater Outfall Based Screening and Monitoring Program [Attachment E XVII.A.3.a-g]. (These tables correspond to Tables 4a and 4b in the Watershed Form.)

Table 4a: Summary of Non-Stormwater Based Screening and Monitoring ^{2,3}

	Receiving Water and/or WMP/EWMP Group	No. of Outfalls	Totals No. of Outfalls Screened Since Dec 28, 2012	No. of Screening Events During Reporting Year	No. of Screening Events Since Dec 28, 2012	Total Confirmed	Total Abated	Total Attributed to Allowable Sources	Total No. Being Monitored
1									

✓ See Watershed Form

Table 4b: Summary of Non-Stormwater Discharges Abated

	Abatement Method	Total No.
1		

✓ See Watershed Form

4.2 How many of the conditionally exempt non-stormwater discharges in Part III.A.2.b of the Permit did you determine to be sources of pollutants that caused or contributed to an exceedance of receiving water limitations or WQBELs? If you made that determination, which type(s) of non-stormwater discharges in Part III.A.2.b were sources of pollutants? [III.A.4.d]

✓ See Watershed Form

4.3 State when the non-stormwater outfall-based screening and monitoring program will be (or was) re-assessed. If applicable, describe any changes to program (the program must be re-assessed once during the permit term) [Attachment E IX.B.2].

✓ See Watershed Form

4.4) Additional Information. If desired, provide additional information regarding Non-Stormwater Outfall Screening and Monitoring

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

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5.1: Public Information and Participation Program [VI.D.5]

5.1a) Summarize stormwater pollution prevention public service announcements and advertising campaigns. What pollutants were targeted? What audiences were targeted? Note whether activities were performed by the jurisdiction or as part of a watershed, regional, or county-wide group.

Stormwater pollution prevention public service announcements and advertising campaigns include the following efforts:

- The City hosts environmental programs booths at select City events. Stormwater outreach materials such as brochures, children's activity booklets, and dog bag dispensers are distributed to residents and families to learn more about the program. Pollutants targeted include bacteria, trash, pesticides, and fertilizers.
- For information on materials to educate school children (K-12), see Section 5.1e).
- For information on the City's stormwater website, see Section 5.1d).
- The City distributes stormwater educational materials through the Point-of-Purchase outreach campaign. The program persuades store owners to distribute and display the materials to their customers. The brochures address stormwater pollution prevention topics relevant to the business in question, which included local auto shop facilities, hardware and home improvement stores, landscape and gardening centers, and pet shops. Pollutants targeted include bacteria, metals, pesticides, and fertilizers. For more information on this program see Section 5.1b).
- The City's water conservation outreach efforts also have a secondary benefit of non-stormwater pollution prevention. See Section 3 for more information on these efforts.
- The City participates in the green sustainability commission to educate local businesses and residents on stormwater issues.
- The City contributed to the Long Beach Aquarium of the Pacific's education campaign to raise awareness on stormwater and pollution issues.

5.1b) Which of the following public education materials did you distribute? (check yes or no)

Question	Yes or No
Information on the proper handling (i.e., disposal, storage and/or use) of Vehicle waste fluids?	Yes
Household waste materials (i.e., trash and household hazardous waste, including personal care products and pharmaceuticals)?	Yes
Construction waste materials?	Yes
Pesticides and fertilizers (including integrated pest management practices [IPM] to promote reduced use of pesticides)?	Yes
Green waste (including lawn clippings and leaves)?	Yes
Animal wastes?	Yes

5.1c) Did you distribute activity specific stormwater pollution prevention public education materials at the following points of purchase? If yes, provide the number of points of purchase within each category (if available).

Category	Yes or No	Number of Points of Purchase
Automotive Part Stores	Yes	5
Home Improvement Centers Lumber Yards Hardware Stores Paint Stores	Yes	4
Landscaping Gardening Centers	Yes	3
Pet Shops Feed Stores	Yes	4

5.1d) Did you maintain stormwater websites or provide links to stormwater websites via your website, which included educational material and opportunities for the public to participate in stormwater pollution prevention and clean-up activities listed in Part M.D.4? Provide links to the stormwater websites that you maintained and/or the location on your website where you provide links to stormwater websites.

The City's website is regularly updated with environmental program information and links for residents and businesses. The City's websites are provided below:
<http://www.longbeach-recycles.org/hhw/stormwater.htm>
<http://www.longbeach.gov/pw/resources/stormwater-management/>
http://www.polb.com/environment/water_quality/wrap.asp

5.1e) Did you provide materials to educate school children (K-12) on stormwater pollution?

Students in the City participate in the County's Environmental Defenders Program to learn about stormwater pollution prevention and other environmental topics. The County's Environmental Defenders (K-6th grade) and Generation Earth (7th-12th grade) educational programs are promoted through monthly emails to all LA County schools.

5.1f) Additional Information. If desired, provide additional information regarding implementation of the Public Information and Participation Program:

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached



5.2: Industrial and Commercial Facilities Program [VI.D.6]

5.2a) Watershed-Based Inventory: ⁴

Question	Answer
Did you maintain and update a watershed-based inventory or database containing the latitude-longitude coordinates of all industrial and commercial facilities within your jurisdiction that are critical sources ⁴ of stormwater pollution?	Yes

5.2b) Commercial Facilities: ^{5,6,7}

Question	Answer
Number of Critical Commercial Sources : How many critical commercial sources are within your jurisdiction (as of the end of the reporting year)?	COLB: 1509; POLB: 46
Number of Facility Inspections Conducted during the Reporting Year: How many inspections of commercial facilities were conducted during the reporting year?	COLB: 514; POLB: 31
First Round of Mandatory Compliance Inspections : Did you complete a first round of mandatory compliance inspections of all commercial facilities identified in Part VI.D.6.d of the permit by 12/28/2014 ? (Yes/No)	COLB: See 5.2e); POLB: Yes
Second Round of Mandatory Compliance Inspections: Describe your progress on the second round of mandatory compliance inspections of all commercial facilities identified in Part VI.D.6.d of the permit. (To be completed by 12/28/2017.)	COLB: See 5.2e); POLB: Yes

5.2c) Industrial Facilities: ^{8,9}

Question	Answer
Number of Critical Industrial Sources: How many critical industrial sources are within your jurisdiction (as of the end of the reporting year)?	COLB: 185; POLB: 38
Number of Facility Inspections Conducted during the Reporting Year: How many inspections of industrial facilities were conducted during the reporting year?	COLB: 143; POLB: 28
First Round of Mandatory Compliance Inspections: Did you complete a first round of mandatory compliance inspections of all industrial facilities identified in Part VI.D.6.d of the permit by 12/28/2014? (Yes/No)	See 5.2e); POLB: Yes

<p>Second Round of Mandatory Compliance Inspections: Describe your progress on the second round of mandatory compliance inspections of all industrial facilities that did not file a No Exposure Certification. (To be completed by 12/28/2017.)</p>	<p>See 5.2e); POLB: Completed</p>
<p>No Exposure Verification Inspections : Describe your progress on performing a second mandatory compliance inspection at a minimum of 25% of facilities identified to have a filed a No Exposure Certification.</p>	<p>Ongoing</p>

5.2d) Enforcement Actions: Describe the number and nature of any enforcement actions taken related to the industrial and commercial facilities program.

COLB: 27 Corrective Action Notices (CANs) and 8 Notices of Violation (NOVs) were issued. Both CANs and NOVs are written notices to comply with the City's ordinance within a fixed time frame. NOVs are formal enforcement prepared when 1) corrections required by the CAN are not achieved within the time frame provided or 2) the nature of the violation warrants immediate formal enforcement.

POLB: All IGP facilities are inspected annually. Some inspections occurred in June 2018, which falls outside of the 2018/2019 reporting year. Compliance action for various types of non-compliant activities within the POLB occurred during the reporting period. Notice to correct emails to non-compliant POLB facilities and re-inspections ensured most non-compliant activities were corrected prior to official enforcement actions. Most of the corrective action issues revolved around improved housekeeping, including ensuring that all trash cans and dumpsters remained covered when not in use.

During an inspection of an IGP-covered boatyard, it was determined that the facility was out of compliance with the requirements of the IGP. Follow up inspections and notices to correct failed to correct the issues. As a result, a referral of notice of violation was issues to the facility, City of Long Beach, and Los Angeles Regional Water Quality Control Board on August 7, 2018. The facility ultimately stopped operations and vacated the site, terminating coverage under the IGP.

5.2e) Additional Information. If desired, provide additional information regarding implementation of the Industrial and Commercial Facilities Program.

The inspection cycles are following the WMP approval schedule following MS4 Permit Section VII.D.1.iii. ***See attached referral of facilities detected that may require coverage under the NPDES Industrial General Permit.***

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

5.3: Planning and Land Development Program [VI.D.7 and Attachment E-XVIII]

5.3a) New Development Projects: Complete the table below for projects completed during the reporting year.

Table 5a: Summary of New Development Projects Subject to Implementation of Post-Construction Controls ^{10,11,12}

	Receiving Water and/or WMP/EWMP	Number of Projects Completed Using On-Site Retention	Number of Projects Completed Using Alternative Compliance Measures	Total Drainage Area of Projects	Total Storm Water Quality Design Volume (SWQDV) [acre-feet]
1	Long Beach WMP - Long Beach WMP Area	2	0	0.23	0.01
2	Los Cerritos Channel - Los Cerritos Channel	1	3	2.01	0.10
3	Lower Los Angeles River - Lower Los Angeles River	3	4	2.30	0.13

5.3b) Redevelopment Projects. Complete the table below for projects completed during the reporting year.

Table 5b: Summary of Redevelopment Projects Subject to Implementation of Post-Construction Controls

	Receiving Water and/or WMP/EWMP	Number of Projects Completed Using On-Site Retention	Number of Projects Completed Using Alternative Compliance Measures	Total Drainage Area of Projects	Total Storm Water Quality Design Volume (SWQDV) [acre-feet]
1	Lower San Gabriel River - Coyote Creek	0	1	5.78	0.30
2	Long Beach WMP - Long Beach WMP Area	11	2	28.57	1.91
3	Los Cerritos Channel - Los Cerritos Channel	5	1	5.11	0.29
4	Lower Los Angeles River - Lower Los Angeles River	4	3	5.18	0.22

5.3c) Planning and Land Development Efforts beyond Permit Requirements. If applicable, describe Planning and Land Development activities that went above and beyond the permit requirements (e.g. stricter LID ordinance, small-site LID).

City ordinance requires LID BMPs for smaller development projects that are below the thresholds for inclusion under the Planning and Land Development MCM Program.

5.3d) Summary of New and Redevelopment Projects using Alternative Compliance Measures: Complete the table below for projects completed during the reporting year.

Table 5c: Summary of Alternative Compliance Measures for Development/Redevelopment Projects (where onsite retention of the SWQDv is infeasible) ^{13, 14, 15, 16}

	Category	Number of Projects Completed Utilizing Alternative Compliance Method	Area Addressed by Projects [acres]	Total Design Retention Volume of Projects [acre-feet]	Total Design Biofiltration Volume of Projects [acre-feet]	Total SWQDv Which Would Have Been Achieved by Retaining SWQDv on-site [acre-feet]
1	Onsite Biofiltration	14	21.16	1.43	1.43	1.37

5.3e) Alternative Compliance Measures Regional Storm Water Mitigation Program [M.D.7.c.vi]: (If Applicable) Complete the table below.

Table 5d: Alternative Compliance Measures Regional Storm Water Mitigation Program

	Mitigation Program	Receiving Water and/or WMP/EWMP	Date Program Approved by Regional Water Board	Area Addressed by Mitigation Program [acres]	Cumulative Number of New and Redevelopment Projects Addressed by Project since Program Approval
1	N/A				

5.3f) Alternative Compliance Measures Pending Offsite Projects¹⁷ [M.D.7.c.iii.(5).(f)]: If applicable, complete the table below.

Table 5e: Alternative Compliance Measures Offsite Projects

	Pending Offsite Projects	Location	General Design Concept	Volume of Water Expected to Be Retained	Total Estimated Budget	Total Project Funds Raised to Date
1	N/A					

5.3g) Control Measures for Projects Greater than 50 Acres [Attachment E XMII.A6.e]: If applicable, provide a detailed description of control measures to be applied to new development or redevelopment projects disturbing more than 50 acres.

Not applicable.

5.3h) Enforcement Actions: Describe the number and nature of any enforcement actions taken related to the planning and land development program.

No enforcement actions were taken.

5.3i) Additional Information. If desired, provide additional information regarding implementation of the Planning and Land Development Program.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

5.4: Development Construction Program [VI.D.8]

5.4a) Answer the following questions regarding your Development Construction Program:

Question	Yes or No
For construction sites 1 acre or greater, did you use an electronic system to inventory grading permits, encroachment permits, demolition permits, building permits, or construction permits (and any other municipal authorization to move soil and/ or construct or destruct that involves land disturbance) that you issued?	Yes
For construction sites 1 acre or greater, did you use procedures to review and approve an ESCP (or a SWPPP prepared in accordance with the requirements of the Construction General Permit) that contains appropriate site-specific construction site BMPs that meet the minimum requirements of a Permittee's erosion and sediment control ordinance?	Yes
For construction sites 1 acre or greater, did you track the date that you approved the Erosion and Sediment Control Plans (ESCP) or CGP SWPPPs for new sites permitted and sites completed?	Yes
For construction sites less than 1 acre, did you require the implementation of an effective combination of erosion and sediment control BMPs from Table 12 of the LA County MS4 Permit to prevent erosion and sediment loss, and the discharge of construction wastes through the use of the Permittee's erosion and sediment control ordinance or building permit?	Yes
Did you ensure that all staff whose primary job duties are related to implementing the construction stormwater program is adequately trained? [VI.D.8.I]	Yes

5.4b) Permits and Inspections: Complete the table below. Only report numbers for sites 1 acre or greater in area

Table 5f. Construction Site Inspections for Construction Sites 1 Acre

Question	Answer
How many building/grading permits were issued to construction sites during the reporting year?	COLB: 24; POLB: N/A
How many Erosion and Sediment Control Plans (ESCPs) did you approve during the reporting year?	COLB: 24; POLB: 9
How many inspections of construction sites were conducted during the reporting year?	COLB: 182; POLB: 88
How many final landscaping/site stabilization inspections (to ensure that all graded areas have reached final stabilization and that all trash, debris, and construction materials, and temporary erosion and sediment BMPs are removed) were conducted during the reporting year?	COLB: 2; POLB: 4

5.4c) Enforcement Actions: Describe the number and nature of any enforcement actions taken related to the development construction program.

COLB: 23 Corrective Action Notice (CAN) and 1 Notices of Non-Compliance were issued. Both CANs and Notices of Non-Compliance are written notices to comply with the City's ordinance within a fixed time frame. Notices of Non-Compliance are enforcement prepared when 1) corrections required by the CAN are not achieved within the time frame provided or 2) the nature of the violation warrants immediate enforcement. Other minor issues have been addressed within the timeline identified and no formal enforcement was necessary.

POLB: Throughout the reporting year, a number of minor non-compliance items were noted, ranging from adding a signature or WDID to a SWPPP to improving trackout BMPs and general site housekeeping. For each item identified, inspectors provided a specific timeline to correct (varies based on the issue and time needed to comply). The timeline often ranges from immediate (one day) to 2 weeks for items that require purchasing new BMPs or getting covered roll off bins. To date, all issues have been addressed within the timeline identified by at least the second notice to correct email and no follow up enforcement was necessary.

5.4d) Additional Information. If desired, provide additional information regarding implementation of the Development Construction Program.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

5.5: Public Agency Activities Program (VI.D.9)

5.5a) Answer the following questions regarding the Public Agency Activities Program:

Question	Yes or No
Did you maintain an updated inventory of all Permittee-owned or operated (i.e., public) facilities within your jurisdiction that are potential sources of stormwater pollution?	Yes
Did you develop an inventory of retrofiting opportunities that meets the requirements of Part VI.D.9.d. of the LAMS4 Permit?	Yes
Were all Permittee-owned parking lots exposed to stormwater cleaned at least once per month?	Yes
Did you ensure effective source control BMPs for the activities listed in Table 18 of the Permit were implemented at Permittee-owned or operated facilities?	Yes
Did you ensure employees in targeted positions (whose interactions, jobs, and activities affect stormwater quality) were trained on the requirements of the overall stormwater management program, and contractors performing privatized/contracted municipal services were appropriately trained	Yes

5.5b) Street Sweeping: Complete the table below.

Table 5g. Summary of Street Sweeping Activities ¹⁸

Priority	Total Miles of Street	Total Curb Miles of Street	Frequency of Street Sweeping	Additional Notes
Priority A (greater than once per month)	943	2727	Weekly	
Priority B (once per month)	See Section 5.5c)*	See Section 5.5c)*	See Section 5.5c)*	
Priority C (as needed, once per year minimum)	0	0	0	

5.5c) Additional Information. If desired, provide additional information regarding implementation of the Public Agency Activities Program

*POLB: High traffic roadways Ocean Boulevard and Harbor Scenic Drive are swept monthly. The POLB continues to utilize the regenerative street sweeper as often as possible, with an increased focus on public fishing and other high trash generation areas. Within the Port, approximately 2,647 street miles were swept using the Elgin mechanical sweeper and 2,347 street miles were swept using the Tymco regenerative air sweeper. Approximately

996 cubic yards of debris was collected and disposed of annually.

The City's Environmental Services Bureau (ESB) implements some of the City's Public Agency Activities requirements. See attachment for a summary of these activities for the reporting year.

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longbeachattachment5.5.pdf

See Section 5.5 Attachments for the contents of this file

5.6: Illicit Connections and Illicit Discharges Elimination Program (VI.D.10)

5.6a) IC/ID Investigations: Complete the following table¹⁹

Table 5h. IC/ID Investigations

	Number of Reported Illicit Discharges or Connections	Number of Investigations	Number Eliminated	Number Permitted or Documented
Illicit Discharges	60	60	60	0
Illicit Connections	0	0	0	0

5.6b) Enforcement Actions: Describe the number and nature of any enforcement actions taken related to the illicit connections and illicit discharges elimination program.

Enforcement actions include the following:

- The Long Beach Police Department issued 192 littering citations.
- See Section 5.2 and 5.4 for enforcement actions at industrial/commercial facilities and construction sites. Both CANs and NOVs were issued as written notices to comply with the City's ordinance within a fixed time frame. NOVs are formal enforcement prepared when 1) corrections required by the CAN are not achieved within the time frame provided or 2) the nature of the violation warrants immediate formal enforcement.
- When a responsible party for a spill/illicit discharge is identified, cost recovery is pursued by the City.

During the reporting year, the POLB completed quarterly outfall observations to identify illicit discharges. Two potential illicit discharges were identified. Further investigation found one discharge was a permitted flow from an upstream pump station operated by the City of Los Angeles. The other discharge was investigated, with no unauthorized upstream industrial facility or street discharge observed. Further observations of the outfall did not demonstrate additional discharge. See Section 4 of the Long Beach Nearshore Watershed Annual Report.

5.6c) Answer the following questions regarding Public Hotline and Training [M.D.10.d and V.D.10.f]

Question	Yes or No
Did you maintain or provide access to a hotline to enable the public to report illicit discharges/connections?	Yes

<p>Did you continue to implement a training program regarding the identification of IC/IDs for all municipal field staff, who, as part of their normal job responsibilities (e.g., street sweeping, storm drain maintenance, collection system maintenance, road maintenance), may come into contact with or otherwise observe an illicit discharge or illicit connection to the MS4?</p>	<p>Yes</p>
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5.6d) Additional Information. If desired, provide additional information regarding implementation of the Illicit Connections and Illicit Discharges Elimination Program.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

6: Stormwater Control Measures Summary

6.1 Effective Impervious Area and 85th Percentile, 24-Hour Runoff Volume [Attachment E, XMII.A.1] (if available): Summarize the estimated cumulative change in percent EIA since the effective date of the Permit (i.e. 12/28/2012) for the entire area covered by the WMP/EWMP and, if possible, the estimated change in the stormwater runoff volume during the 85th percentile, 24-hour storm event for the entire area covered by the WMP/EWMP.

Following the Regional Water Board's May 25, 2017 letter on determining the Effective Impervious Area, the total area managed by LID BMPs since 12/28/2012 is 96.18 acres. Note the area managed by the City of Lakewood's Bolivar Park Regional Project within the City's jurisdiction is 810 acres.

6.2 Summary of Projects that Retain Runoff (including New and Redevelopment Projects); Complete the summary tables below.

Table 6a: Summary of Projects that Retain Runoff Completed in the Reporting Year (including New and Redevelopment Projects)

	Receiving Water and/or WMP/EWMP Group	Number of New Development/Re-development Projects Completed in Reporting Year	Number of Other Projects to Intercept Runoff Completed in Reporting Year	Area Addressed by Projects [acres]	Total BMP Retention Capacity of Projects [acre-feet]
1	Lower San Gabriel River - Coyote Creek	1	0	5.78	0.30
2	Long Beach WMP - Long Beach WMP Area	15	0	28.80	1.99
3	Los Cerritos Channel - Los Cerritos Channel	10	0	7.12	0.39
4	Lower Los Angeles River - Lower Los Angeles River	14	0	7.48	0.35

Table 6b: Cumulative Summary of Projects that Retain Runoff Completed since the Permit Effective Date (including New and Redevelopment Projects)

	Receiving Water and/or WMP/EWMP Group	Number of New Development/Re-development Projects Since 12/28/2012	Number of Other Projects to Intercept Runoff Completed Since 12/28/2012	Area Addressed by Projects [acres]	Total BMP Retention Capacity of Projects Completed Since 12/28/2012 [acre-feet]	Est. Total Runoff Volume Retained Onsite for the Reporting Year [acre-feet]
1	Lower San Gabriel River - Coyote Creek	1	0	5.78	0.30	3.79
2	Long Beach WMP - Long Beach WMP Area	53	0	40.52	2.85	43.52
3	Los Cerritos Channel - Los Cerritos Channel	28	0	19.90	1.11	14.16
4	Lower Los Angeles River - Lower Los Angeles River	70	0	29.98	1.62	24.82

6.3: Table 6c) Projects Designed to Intercept Stormwater Runoff Completed during the Reporting Year (excluding New Development and Redevelopment Projects): Complete the table below for projects designed to intercept stormwater runoff completed in the reporting year. If needed, information unsuitable for the table or additional information on projects may be provided in the space below table. ²⁰

	Receiving Water and/or WMP/EWMP Group	Name of Project(s)	Type of Project	Completion Date	Length (if Green Street) [miles]	Drainage Area of Project [acres]	Total BMP Retention Capacity [acre-feet]
1		N/A					

6.3b) Projects Designed to Intercept Runoff Completed in the Reporting Year - Provide additional information within this space (if needed)

N/A

6.4: Table 6d) Riparian Buffer and Wetland Restoration Projects: Complete the table below for any riparian buffer or wetland restoration projects completed in the reporting year. ²¹

	Receiving Water and/or WMP/EWMP Group	Name of Project	Completion Date	Description of Project
1		N/A		

6.5 Status of Multi-Year Efforts [Attachment E, Part XVII.A.1.i]: Provide the status of multi-year efforts, including TMDL implementation (not including Trash TMDLs) that were not completed in the current year and will continue into the subsequent year(s).

For multi-year efforts, report on progress towards future milestones related to multi-year projects. Include the status of the project, which includes the status with regard to standard project implementation steps. These steps include, but are not limited to, adopted or potential future changes to municipal ordinances to implement the project, site selection, environmental review and permitting, project design, acquisition of grant or loan funding and/or municipal approval of project funding, contractor selection, construction schedule, start-up, and effectiveness evaluation (once operational), where applicable.

If applicable, for green streets implementation, Permittees shall report on progress toward a structured approach identifying a sufficient number of green streets projects to meet compliance milestones (e.g., a green streets master plan).

Also, include the following information:

- Name
- Receiving Water
- Subwatershed
- Project Type
- Location / Latitude and Longitude
- Permittee(s) Involved
- Status
- Expected Completion Date

Project Name: Middle Harbor Redevelopment Project

Receiving water: Long Beach Middle Harbor

Project Type: Retrofit

Location: 33.748760, -118.222256

Permittee(s) involved: Port of Long Beach (POLB)

Status: Construction in progress

Expected Completion Date: December 2020

Additional information: POLB contributed \$1.493 billion in funds for this project to combine two terminals into one with upgraded facilities that includes improved stormwater treatment through hydrodynamic separators at all outfalls. The project includes dredging of contaminated sediment in the harbor. As part of the ongoing Harbor Scenic and Pier J Intersection improvement project, the Port previously installed a new bioswale, additional full trash capture BMPs, two Contech Stormfilter treatment BMPs (with water flow rates of 0.076 cfs and 0.152 cfs), and a Contech CDS units. As previously described above, additional Contech CDS units were installed in this reporting year and additional structural BMPs are planned.

Project Name: Gerald Desmond Bridge Project

Receiving water: San Pedro Bay

Project Type: Distributed BMP (Green Street)

Location: 33.764663, -118.221190

Permittee(s) involved: Port of Long Beach

Status: Construction in progress

Expected Completion Date: 2020

Additional information: The City is collaborating with Caltrans, Metro, and the US Department of Transportation on this project. The proposed BMPs include 2 infiltration trenches, 1 media filter, and 5 biofiltration swales.

Project Name: Pier G Redevelopment Project

Receiving water: Long Beach Harbor, Basin Six
 Project Type: Retrofit
 Location: 33.7478291, -118.2058998
 Permittee(s) involved: Port of Long Beach
 Status: Completed
 Completion Date: 2013

Additional information: The initial phase of the project was completed in 2011 and included the installation of 17 CDS units. The project also included a track realignment project and the POLB Maintenance Facility, which included 8 CDS units and was completed in late 2012/early 2013. The Pier G redevelopment area (and associated CDS units) has been in operation since August 25, 2014.

Project Name: Willmore City Heritage Garden Biofiltration Swale
 Receiving water: Los Angeles River
 Project Type: Distributed BMP (Public LID)
 Location: 33.77562, -118.20091
 Permittee(s) involved: City of Long Beach, Willmore City Heritage Association
 Status: Construction in progress
 Expected Completion Date: 2020

Additional information: The POLB contributed \$440,000 in funds for the final design, construction and maintenance of the Willmore City Heritage Garden Biofiltration Swale Project. The project is located adjacent to the LB MUST and Shoemaker Bridge Replacement Project and is designed to be directly compatible with LB MUST. The biofiltration system is estimated to treat over 1,800,000 gallons of runoff and stormwater per year. Other benefits include groundwater recharge and urban greening in a community that is disproportionately burdened by multiple sources of pollution.

Project Name: Rancho Los Cerritos "Looking Back to Advance Forward"
 Receiving water: Los Angeles River
 Project Type: Distributed BMP (Public LID)
 Location: 33.83971, -118.19548
 Permittee(s) involved: Port of Long Beach, Rancho Los Cerritos
 Status: Design in progress
 Expected Completion Date: December 2020

Additional information: The POLB contributed \$1M in funds for the design, construction and maintenance of the Rancho Los Cerritos "Looking Back to Advance Forward Project." The project will include two systems for water treatment, capture, and reuse. One BMP system includes permeable pavement leading to an underground 10,000-gallon cistern, where captured water will be filtered, treated with UV, and utilized for onsite irrigation. The second BMP system utilizes gravity to channel water flow through an expanded-capacity natural arroyo, treated through biofiltration, and into an aerated retention pond. The original site was estimated to capture about 40% of on-site annual rainfall, with the addition of the project's 3.2 ac-ft capture, the site is expected to treat and capture 95% of on-site annual rainfall. Other benefits include reduced water demand, drought resiliency, and educational programming. In partnership from the City of Long Beach, funding from the Safe Clean Water Program is currently being sought to cover the remaining costs (\$1M).

Project Name: Camp Shiwaka Eco Parking Lot Stormwater Project
 Receiving water: San Gabriel River and Los Cerritos Channel
 Project Type: Distributed BMP (Public LID)
 Location: 33.83185, -118.09843
 Permittee(s) involved: City of Long Beach, Camp Fire
 Status: Construction in progress
 Expected Completion Date: 2020

Additional information: The POLB contributed \$603,441 in funds for the design, construction, and maintenance of Camp Fire Angeles' Camp Shiwaka Eco Parking Lot. The project will replace the existing parking lot asphalt with permeable pavement, allowing stormwater runoff to infiltrate and replenish ground water. The existing asphalt will be used as aggregate within the permeable pavement, reducing the demand for new materials, hauling, and disposal. The permeable pavement has a design volume of 171,400 gallons per year, decreasing overall stormwater runoff from the site's impervious area by 70%. The project also includes new native and water conserving landscaping and irrigation, which will reduce water demand, reduce the heat island effect of the parking lot, improve air quality, and provide educational opportunities.

Project Name: Long Beach MUST
 Receiving water: Los Angeles River
 Project Type: Regional
 Location: 33.77686, -118.20418
 Permittee(s) involved: City of Long Beach
 Status: 90% design of initial phase complete
 Expected Completion Date: 2020 for initial phase

Additional information: The goal of the project is to divert and treat up to 4 MGD of urban runoff flow and 80% of the first flush of stormwater runoff thereby preventing the transport of a major source of pollution into the Los Angeles River from the City of Long Beach. The POLB contributed \$1M in funds and Caltrans is partnering with the City to provide up to \$28M. Additional funding was obtained from California Coastal Conservancy Prop 1 Grant Program (\$500,000) and Rivers and Mountains Conservancy Proposition 1 Grant Program (\$2M). Funding from the Safe Clean Water Program is currently being sought for the initial phase of the project. Construction for the initial phase of the project is anticipated to be complete in 2020.

Project Name: Sub-basin 4 Stormwater Capture Facility (Long Beach Airport)

Receiving water: Los Cerritos Channel

Project Type: Regional BMP

Location: 33.812905, -118.138772

Permittee(s) involved: Long Beach, Lakewood, Signal Hill

Status: Phase 1-3 construction expected to be complete December 2019

Additional information: The City of Long Beach, in collaboration with Signal Hill, received a total of \$15,250,000 from Caltrans and \$7,500,000 from Los Angeles County Flood Control District to intercept dry and wet weather first flush runoff at the Sub-basin 4 Stormwater Capture facility. The diverted flow will be directed to buried multi-chambered areas where stormwater will infiltrate into the groundwater and eventually augment the local water supply. The Infiltration BMP will divert all flows up to the 85th percentile flow (166 cfs) from the existing Los Angeles County channel (Project 9, Unit 3, Line D) near Lakewood Boulevard and Spring Street; remove gross solids from the diverted flow through a pre-treatment BMP (i.e. dual unit CDS hydrodynamic separator); and infiltrate stormwater into the ground through an underground infiltration gallery with an ultimate potential volume capacity of up to 134 acre-feet. Caltrans is a major stakeholder in the Project and has provided funding for Phase I and Phase II. Los Angeles County Flood Control District has provided funding for Phase III. The Phase I design will provide up to 14 ac-ft of storage units, the pre-treatment device and pipe system, and the low-flow diversion structure. The Phase II and Phase III design will provide an additional 17 acre-feet of storage units, providing a combined total storage capacity of 31-acre feet. The project has currently completed the design and construction of Phase I, and due to additional funding provided, the completed construction date (for Phases I-III) is anticipated to be by December 31, 2019.

Project Name: El Dorado Regional Park Project, 10% Design Report

Receiving water: San Gabriel River

Project Type: Regional

Location: 33.803281, -118.087535

Permittee(s) involved: Participating Agencies of the Lower San Gabriel River Watershed Management Group

Status: 10% Design

Completion Date: June 2019 (10% Design Report)

Additional information: The Participating Agencies of the Lower San Gabriel River Watershed Management Group contributed funds for the development of a 10% design plan for a regional project at El Dorado Park, located in the City of Long Beach. The 10% design report and preliminary plans were completed in June 2019. While there are many options for the project, the recommended option is a 13.9 ac-ft treatment wetland that will provide stormwater capture and treatment. This stormwater treatment wetland will feature the following key components; 20 cfs diversion at Wardlow Rd., pretreatment at multiple points to ensure effective pollutant reduction, and a series of connected wetland ponds.

Project Name: Willow Springs Park Wetland Restoration Expansion Project

Receiving water: Los Angeles River

Project Type: Distributed BMP (Public LID)

Location: 33.807063, -118.1788565

Permittee(s) involved: City of Long Beach

Status: Conceptual

Completion Date: TBD

Additional information: Willow Springs Park is 48-acres, of which 12 acres has been revitalized with bioswales and wetlands in 2017. The proposed wetland expansion project consists of an additional 14.5 acres to be revitalized, to include a 1-acre wetland, 7,812 ft of new trails, and restored habitat intended to be completed in phases. The intent of the first phase of the expansion project is to determine if it is feasible to redevelop a low point of the site into a 1-acre constructed wetland as a nature-based flood control solution and stormwater mitigation measure. The area surrounding the low point would also be revitalized with new trails and native plants, especially willow trees that naturally propagate in the park and for which the park is named after. The entire project concept area is 6 acres.

Project Name: Hermosillo Regional Park Project, 10% Design Report

Receiving water: San Gabriel River

Project Type: Regional

Location: 33.885077, -118.077565

Permittee(s) involved: Participating Agencies of the Lower San Gabriel River Watershed Management Group

Status: Design

Completion Date: November 2019 (10% Design Report)

Additional information: The Participating Agencies of the Lower San Gabriel River Watershed Management Group contributed funds for the development of a 10% design plan for a regional project at Hermosillo Park, located in the City of Norwalk. The 10% design report and preliminary plans were completed in November 2019. While there are many options for the project, the recommended option is an 11.8 ac-ft subsurface infiltration gallery that will provide stormwater capture and treatment. This stormwater infiltration gallery will feature the following key components; 50 cfs diversion at Horst Avenue and 50 cfs diversion on BI0021 with pretreatment at to ensure effective pollutant reduction, and a series of up to 3 connected subsurface infiltration galleries totaling 11.8-ac.

Project Name: Cerritos Sports Complex Regional Project, 10% Design Report

Receiving water: San Gabriel River

Project Type: Regional

Location: 33.848023, -118.059389

Permittee(s) involved: Participating Agencies of the Lower San Gabriel River Watershed Management Group

Status: Design

Expected Completion Date: December 2019 (10% Design Report)

Additional information: The Participating Agencies of the Lower San Gabriel River Watershed Management Group are contributing funds for the development of a 10% design plan for a regional project at Cerritos Sports Complex, located in the City of Cerritos. The 10% design plans are currently underway. The project intends to intercept dry-weather flow and a portion of stormwater flows from up to five different diversion points on adjacent storm drains to the Park, which provides a potential drainage area of 6,550 acres. Currently, a subsurface storage basin is being evaluated to capture stormwater from the potential diverted storm drain lines.

Project Name: Lakewood Pocket Park Regional Project, Detailed Conceptual Study

Receiving water: San Gabriel River

Project Type: Regional

Location: 33.838116, -118.087218

Permittee(s) involved: Participating Agencies of the Lower San Gabriel River Watershed Management Group

Status: Conceptual Design

Completion Date: October 2019 (Detailed Conceptual Study)

Additional information: The Participating Agencies of the Lower San Gabriel River Watershed Management Group are contributing funds for the development of a detailed conceptual plan for a regional project at Lakewood 'Pocket Park,' located in the City of Lakewood. The engineering firm received their notice to proceed in April 2019, and a detailed conceptual plan was completed in October 2019. The project evaluated the potential water quality benefit and cost to intercept a 438-acre drainage area by diverting 100% of the dry-weather flow from an existing LACFCD RC Trapezoidal Channel (Project No. 533, Artesia, Unit 2, Line B) to a proposed subsurface infiltration gallery.

Project Name: Spane Park Regional Project, 10% Design Report

Receiving water: Los Angeles River

Project Type: Regional

Location: 33.902833, -118.175735

Permittee(s) involved: Participating Agencies of the Lower Los Angeles River Watershed Management Group (including Lakewood)

Status: Design

Expected Completion Date: December 2019 (10% Design Report)

Additional information: The Participating Agencies of the Lower Los Angeles River Watershed Management Group are contributing funds for the development of a 10% design plan for a regional project at Spane Park, located in the City of Paramount. The 10% design report and preliminary plans are currently underway. The project intends to intercept dry-weather flow and a portion of stormwater flows from a double 10'6" by 6'6" reinforced concrete box (RCP; BI 0019 -- Unit 2) to the Park, which provides a potential drainage area of 1,338 acres. Currently, a subsurface infiltration gallery is being evaluated to capture stormwater from the potential diverted storm drain line.

Project Name: Furman Park Regional Project, 10% Design Report

Receiving water: Los Angeles River

Project Type: Regional

Location: 33.953315, -118.138515

Permittee(s) involved: Participating Agencies of the Lower Los Angeles River Watershed Management Group (including Lakewood)

Status: Design

Expected Completion Date: December 2019 (10% Design Report)

Additional information: The Participating Agencies of the Lower Los Angeles River Watershed Management Group are contributing funds for the development of a 10% design plan for a regional project at Furman Park, located within the City of Downey. The 10% design report and preliminary plans are currently underway. The project intends to intercept dry-weather flow and a portion of stormwater flows from a 96" reinforced concrete pipe (RCP; BI 0020) to the Park, which provides a potential drainage area of 475 acres. Currently, a subsurface storage basin is being evaluated to capture stormwater from the potential diverted storm drain line.

6.6 Effectiveness Assessment of Stormwater Control Measures [Attachment E XMII.A.2]: Provide the following:

- An assessment as to whether the quality of stormwater discharges as measured at designated outfalls is improving, staying the same or declining;
- An assessment as to whether wet-weather receiving water quality within the jurisdiction of the Permittee is improving, staying the same or declining, when normalized for variations in rainfall patterns.

[▼ See Watershed Form](#)

6.7 Integrated Monitoring Compliance Report, Stormwater Control Measures [Attachment E XIII.A5.d]: Provide a description of efforts that were taken to address stormwater discharges that exceeded one or more applicable water quality based effluent limitation, or caused or contributed to aquatic toxicity:

See the Watershed Annual Report for information on exceedances related to applicable water quality based effluent limitations and aquatic toxicity. Also see Annual Report Sections 5, 6, and 8 for more information on the City's stormwater control measures.

6.8 Additional Information (optional): If available, the Permittee may include / attach the following items to their report:

- Hydrographs and Flow Data: Hydrographs or flow data of pre- and post-control activity for the 85th percentile, 24-hour rain event, if control measures were designed to reduce impervious cover or stormwater peak flow and flow duration.
- Reference Watershed Flow Duration Curves: For natural drainage systems, develop a reference watershed flow duration curve and compare it to a flow duration curve for the subwatershed under current conditions.
- GIS Project Files: If available, submit a GIS project file that maps all implementation of on-the-ground projects (e.g. riparian buffer/wetland restoration; distributed/green streets; regional projects; new development and redevelopment on-site; and new development and redevelopment off-site).

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

7: Non-Stormwater Control Measures Summary

7.1 Provide a description of efforts that were taken to mitigate and/or eliminate all non-stormwater discharges that exceeded one or more applicable water quality based effluent limitations, non-stormwater action levels, or caused or contributed to Aquatic Toxicity [Attachment E XVIII.A.5.c]:

See Watershed Annual Report for information on non-stormwater discharge exceedances and Annual Report Section 7.2 for more information on the City's non-stormwater control measures. See Section 6.5 for multi-year efforts taken to eliminate non-stormwater discharges.

7.2 Provide the status of multi-year efforts, including TMDL implementation, related to the implementation or effectiveness assessment of non-stormwater control measures, that were not completed in the current year and will continue into the subsequent year(s) [Attachment E XVIII.A.3.h]:

The City's non-stormwater control measures include the MS4 Permit's stormwater minimum control measures as addressed in Annual Report Section 5 and the structural stormwater control measures of Section 6 as these measures reduce the contamination of non-stormwater discharges that flow into the MS4. The City's non-stormwater control measures also include the MS4 Permit's non-stormwater minimum control measures as addressed in Annual Report Section 5, the discharge prohibitions and over-watering mitigation procedures of Section 3, and the outfall screening and investigation efforts described in the Watershed Annual Report. The City also continues to implement its Sewer System Management Plan (SSMP) to prevent and mitigate sanitary sewer overflows.

In addition, the City is responsible for 4 LFD devices. Five beach outfalls include lids, and some have diffuser structures immediately outside the end of the outfall. All the outfalls have an average of 50 feet of beach sand that the water would have to travel before the runoff water touches the ocean. Also, drywells on the upper beaches at selected outfall sites has been done as part of improvements to the concrete path along the beach. The POLB continues to utilize a regenerative sweeper as often as possible. While all POLB streets are swept at least once per month, most streets are swept at least once per week. In addition to ongoing trash awareness efforts with Port tenants, the POLB has implemented landscaping, erosion control, and sediment control on exposed dirt on public property, and has utilized enhanced tracking through the use of an online GIS MS4 Permit Database.

7.3 Provide an assessment of the effectiveness of the Permittee control measures in effectively prohibiting non-stormwater discharges through the MS4 to the receiving water [Attachment E XVIII.A.4.b]:

The City's inspection and investigation programs referenced in this Annual Report have resulted in the identification and elimination of unauthorized non-stormwater discharges to the MS4. Note this is in addition to reductions in non-stormwater flows realized through the implementation of other NPDES Permits and WDRs. (In particular the statewide WDR for sanitary sewer systems.) By these results, the City considers these control measures to be effective in prohibiting non-stormwater discharges to the MS4.

7.4 Provide an assessment as to whether the quality of non-stormwater discharges as measured at monitored outfalls is improving, staying the same or declining:

✓ See Watershed Form

7.5 Provide an assessment as to whether receiving water quality within the jurisdiction of the Permittee is impaired, improving, staying the same or declining during dry-weather conditions. Each Permittee may compare water quality data from the reporting year to previous years with similar dry-weather flows, conduct trends analysis, draw from regional bioassessment studies, or use other means to develop and support its conclusions [Attachment E, Part XIII.A4.a]:

✓ See Watershed Form

7.6 Describe sources of significant non-stormwater discharges determined to be a NPDES permitted discharge, a discharge subject to A Record of Decision approved by USEPA pursuant to section 121 of CERCLA, a conditional exempt essential non-stormwater discharge, or entirely comprised of natural flows. [Attachment E IX.F.2]

✓ See Watershed Form

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

⚠ No files attached

8: TMDL Reporting

8.1 Trash TMDL Compliance Report [M.E.5.c.i] For Permittees subject to Trash TMDLs, attach a Trash TMDL compliance report for each applicable Trash TMDL detailing compliance with applicable interim and/or final effluent limitations. Indicate if compliance is being achieved through (1) full capture systems; (2) partial capture devices and/or institutional controls; (3) combined compliance approaches; (4) minimum frequency of assessment and collection (MFAC); or (5) an alternative compliance option.

See attachment to Section 8.

8.2 TMDL Reporting [Attachment E, XIX] Report on progress towards achieving interim or final milestones/WQBELs/RWLs based on applicable compliance schedules in Attachments L-R and any additional milestones and corresponding deadlines in an approved WMP/EWMP. If this information is reported in another document (e.g. Annual Report Watershed Form) or an attachment, clearly state and provide a reference to the pertinent document and section.

See the Watershed Annual Report for information on progress toward achieving WQBEL/RWL milestones. Section 9.1 of the Annual Report lists the progress of stormwater and non-stormwater control measures that the City has recently implemented or is currently planning to implement to meet interim and final milestones.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

longbeachattachment8.pdf

See Section 8 Attachments for the contents of this file

9: WMP/EWMP Schedules and Implementation

9.1 (If applicable) Provide comparison of control measures completed to date with control measures projected to be completed to date in the Permittees jurisdictional area. List control measures projected to be completed within the next two years and the projected completion dates, as well as the status of implementation and funding. This also includes additional enhanced MCMs, institutional controls, and nonstructural BMPs that are not part of the permits minimum control measures. [Watershed Management Program Adaptive Management Process (V.C.8.a)]:

Table 9a: WMP/EWMP Schedules

	Control Measures	Projected Completion (Date)	Actual Completion (Date)	Status of Implementation	Status of Funding
1	MS4 Permit minimum requirements (see Sections 3 to 5)	Completed/Ongoing	Completed/Ongoing	Ongoing	Funded
2	Enhanced institutional measures (see Section 11)	Ongoing	Ongoing	Ongoing	Funded
3	Catch basin trash capture device installation/Trash TMDL compliance project (See Section 8)	2018	2018	Complete	Funded
4	Catch basin trash capture device installations/Trash Provisions (see Section 6)	<2029		Starting in 2019	Funded
5	El Dorado Park Regional Project 10% Design (see Section 6)	2019 (10% design)		Design (10%)	Funded (10% design)
6	Bolivar Park Regional Project (a Lakewood City Project)	2018	5/2018	Completed	Funded
7	LCC Sub-basin 4 Stormwater Capture Facility (see Section 6)	12/31/2019		Phase III Construction	Partially Funded
8	DeForest Park Wetlands Restoration Project	02/01/2018	06/30/2018	Completed	Funded
9	LB MJST initial phase (see Section 6)	expected in 2020		Design (90%) for Phase I	Partially Funded
10	Lakewood Pocket Park Regional Project Detailed Conceptual Study (see Section 6)	10/31/2019		Conceptual Study	Funded (10% design)
11	Hermosillo Park Regional Project 10% Design (see Section 6)	11/30/2019		Design (10%)	Funded (10% design)
12	Cerritos Sports Complex Regional Project 10% Design (see Section 6)	12/31/2019		Design (10%)	Funded (10% design)
13	Furman Park Regional Project 10% Design (see Section 6)	12/31/2019		Design (10%)	Funded (10% design)
14	Spane Park Regional Project 10% Design (see Section 6)	12/31/2019		Design (10%)	Funded (10% design)

9.2 (If applicable) Describe any modifications, including where appropriate new compliance deadlines and interim milestones, with the exception of those compliance deadlines established in a TMDL, necessary to improve the

effectiveness of the WMP/EWMP.

Not applicable.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

10: Watershed Hydrology

10.1a) Watershed Summary Information, Organization, and Content: Provide the information below in the odd year Annual Report (e.g. Year 1/ 3/ 5)²² or any updates to the information below if previously provided. The requested information shall be provided for each watershed within the Permittees jurisdiction [Attachment E XVII]:

Provide the following information related to the Watershed Management Area:

1. Description of effective TMDLs, applicable WQBELs, receiving water limitations, implementation and reporting requirements, and compliance dates;
2. List of CWA Section 303(d) listings not addressed by TMDLs.
3. Results of regional bioassessment monitoring. (If applicable, a reference to the SMC will suffice here.)
4. Description of known hydromodification effects to receiving waters.
5. Description and location of natural drainage systems.
6. Description of groundwater recharge areas, including number and acres.
7. Maps and/or aerial photographs identifying ESAs, ASBS, natural drainage systems, and groundwater recharge areas.

✓ See Watershed Form

10.1b) Provide the following information related to the Subwatershed (HUC-12):

1. Description including HUC-12 number, name and a list of all tributaries named in the Basin Plan.
2. Land Use map of the HUC-12 subwatershed.
3. 85th percentile, 24-hour rainfall isohyetal map for the subwatershed.
4. One-year, one-hour storm intensity isohyetal map for the subwatershed.
5. MS4 map for the subwatershed, including major MS4 outfalls and all low flow diversions.

✓ See Watershed Form

10.1c) Provide the following information related to the Permittee(s) Drainage Area(s) within the Subwatershed:

1. 1) A subwatershed map depicting the Permittee(s) jurisdictional area and the MS4, including major outfalls (with identification numbers), and low flow diversions (with identifying names or numbers) located, within the Permittees jurisdiction.
2. 2) Provide the estimated baseline percent of effective impervious area (EIA) within the Permittee(s) jurisdictional area as existed at the time that this Order became effective and, if possible, the estimated

change in the stormwater runoff volume (cf) during the 85th percentile, 24-hour storm event.

✓ See Watershed Form

10.2 Rainfall Summary: Provide a rainfall summary for the reporting year including: (1) A summary of the number of storm events; (2) The highest volume event (inches/24 hours); (3) The highest number of consecutive days with measureable rainfall; and (4) The total rainfall during the reporting year compared to average annual rainfall for the subwatershed [Attachment E XVIII.A.2]:

✓ See Watershed Form

10.3 SW Monitoring Event Summary: Provide a summary table describing rainfall during stormwater outfall and wet-weather receiving water monitoring events. The summary description shall include the date, time that the storm commenced and the storm duration in hours, the highest 15-minute recorded storm intensity (converted to inches/hour), the total storm volume (inches), and the time between the storm event sampled and the end of the previous storm event.

Table 10a: Summary of Stormwater Outfall and Wet Weather Receiving Water Monitoring Events

	Event	Date	Storm Start Time	Storm Duration [hours]	Highest Storm Intensity - 15min [in/hr]	Total Storm Volume [inches]	Span Between Sample Event and Previous Storm Event [hours]
1							

✓ See Watershed Form

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

⚠ No files attached

11: Additional Information

Provide information within this space

In addition to the MS4 Permit Minimum Control Measures, structural stormwater control measures, non-stormwater control measures, and Trash TMDL control measures listed in Sections 5 through 8 respectively, the City also implements enhanced institutional stormwater control measures that address water quality priority pollutants at their source. ("Enhanced" meaning control measures beyond the MS4 Permit Minimum Control Measure requirements.) This includes:

Litter Campaign. The City established a Litter Abatement and Awareness Campaign program (Litter-Free Long Beach) in FY 05. Below is a description of Campaign programs conducted in the reporting year:

- Conducted 65 community and business corridor clean-ups.
- Involved 808 volunteer participants at neighborhood and business clean-up events.
- Collected 307 tons of litter from community and business corridor clean-up efforts.
- Promoted the "No Litter Zone" program through door-to-door efforts with 570 businesses participating in the program receiving a free 20-gallon trash can, liners, broom and dust pan for use to help keep their store fronts clean.
- Provided 217 litter and 214 recycling temporary boxes at 31 Special Events throughout the City.
- Promoted the "Can Your Butts" (CYB) campaign to restaurants, bars and barber shops to reduce cigarette litter through a voluntary partnership with Litter Free LB. Participating businesses in the "CYB Target Zones" can receive free resources such as posters, pocket ashtrays, and a cigarette waste receptacle for the front of their establishment.
- Maintained sponsorship of 12 street locations through the "Adopt-a-Street" program.
- Continued a program for residents to contact and report businesses that leave unwanted handbills on residential property and create litter in Long Beach neighborhoods.
- Issued 192 citations through the Long Beach Police Department.
- Produced and distributed a "No Junk Mail" brochure to enable residents to remove themselves from 'junk mail' advertising lists and pre-screened offer directories.
- Promoting neighborhood clean-up events online and in social media.
- Provided a series of informational brochures and flyers on litter abatement, recycling, hazardous waste, tire amnesty events, holiday tree recycling, and composting.
- Produced promotional car decals, baseball caps, pencils, reusable grocery bags, battery bags, chip clips, and rulers.
- Monitor compliance of the plastic bag ban implemented in FY11, which prohibits the use of plastic bags at grocery stores throughout the City. Residents are encouraged to bring reusable tote bags, or can purchase paper bags for \$0.10 each.

Refuse/Recycling

The City continues to provide a number of refuse and recycling services that included curbside collections, the Household Hazardous Waste facility and special item pick-ups. In addition, the City plays an active role in the community through various outreach and educational programs. In the reporting year, the City:

- Provided all City-serviced refuse accounts with four free bulky item collections per year, with any additional collections at a cost of \$6.15 per item.
- Staff attended 63 neighborhood meetings and community events promoting recycling and litter abatement, with 72,370 residents attending.
- ESB conducted 8 composting workshops and special event composting demonstrations for a total of approximately 208 participants, and distributed 120 composting bins to residents and schools throughout the City. This was the first year that ESB offered Spanish language classes.
- Received a \$118,496 beverage container recycling block grant from CalRecycle's City County Payment Program that was used to support litter abatement programs and various activities related to beverage container recycling. In addition, the funds assisted the City's curbside residential program in collecting 25,519 tons of recyclable material.
- Working together with EDCO and Los Angeles County, the Household Hazardous Waste facility at 2755 California Avenue in Signal Hill opened its doors to Los Angeles County residents in March of 2013. This facility allows residents of LA County to drop off household hazardous waste (HHW) and electronic waste items for proper recycling or disposal. Items that are accepted at this facility include (but are not limited to): batteries, chemicals, pharmaceuticals, and fluorescent light bulbs. From July 1, 2018 – June 30, 2019, 8,821 cars that came through the facility, for a total of 862,949 pounds of materials.
- Collected 544 gallons of motor oil and 138 motor oil filters as part of the City's curbside motor oil recycling program.
- Received a block grant from CalRecycle of \$131,334 that was used to support the City's used motor oil recycling program. The program consists of curbside collection, 31 Used Oil Certified Collection Centers and various public outreach materials.
- Produced brochures to inform residents about the importance of recycling used motor oil and promote clean and healthy streets.
- ESB continued its Marina Recycling program, providing recycling bins to Alamitos Marina, Shoreline Marina and

Rainbow Marina.

- Applied for \$99,988 Tire Cleanup Grant from CalRecycle which supports the tire amnesty events that occur twice a month and help reduce illegal dumping.
- City Council passed an expanded polystyrene (EPS) ordinance on to-go containers that prohibits the use of EPS to-go containers, as well the sale of EPS coolers at retail establishments and beads in craft stores. The ordinance is being phased in 9/3/17 – 12/3/19. ESB developed a recognition program to encourage all businesses to comply early (prior to the deadline. A main goal of the ordinance is to reduce litter.
- ESB partnered with non-profit and residential recycling waste haulers to host a beach clean-up event on the Long Beach peninsula.

If needed, attach supplemental files for this section here. In responses above, clearly specify that supplemental attachment was provided. Only upload a PDF, size limit is 10MB. Combine all PDFs for this (sub)section into a single file prior to uploading. For jurisdictions in multiple Groups/watersheds: if portions of the attachment are specific to one Group please clearly break-out and label the Group-specific information.

 No files attached

Footnotes

- 1 Categories may be added to the table as necessary
- 2 "Significant Non-Storm Water Discharges" as identified by the Permittee per Part IX.C.1 of the MRP
- 3 "Allowable Sources" include NPDES permitted discharges, discharges subject to a Record of Decisions approved by USEPA pursuant to section 121 of CERCLA, conditionally exempt essential non-storm water discharges, and natural flows as defined in Part III.A.d of the permit.
- 4 Part V.D.6.b.i of the LA County MS4 Permit summarizes "critical sources" to be tracked
- 5 Part V.D.6.b.i of the LA County MS4 Permit summarizes "critical sources" to be tracked
- 6 Permittees are required to inspect all commercial facilities identified in Part V.D.6.b of the permit twice during the 5-year permit term, provided that the first mandatory compliance inspection occurs no later than 2 years after the effective date of the permit. A minimum interval of 6 months between the first and the second mandatory compliance inspection is required.
- 7 Permit effective date = December 28, 2012
- 8 Permittees are required to perform an initial mandatory compliance inspection at all industrial facilities identified in Part V.D.6.b no later than 2 years after the effective date of the permit. After the initial inspection, all facilities that have not filed a No Exposure Certification with the State Water Board are subject to a second mandatory compliance inspection. A minimum interval of 6 months between the first and second mandatory compliance inspection is required.
- 9 Approximately 3 to 4 years after the effective of the permit, each Permittee shall evaluate its inventory of industrial facilities and perform a second mandatory compliance inspection at a minimum of 25% of the facilities identified to have filed a No Exposure Certification. The purpose of this inspection is to verify the continuity of the non exposure status.
- 10 "Number of Projects Completed" should only include projects that are completed and signed off by the Permittee during the reporting year. In progress projects that have been issued a permit, but are not completed should not be included.
- 11 "Alternative Compliance Measures" refer to the mitigation options listed in Part V.D.7 of the permit. These options include: on-site biofiltration, offsite infiltration, groundwater replenishment projects, offsite retrofits of existing developments, and areas covered by a regional storm water mitigation program.
- 12 "Total Storm Water Quality Design Volume (SWQDv)" should also include the SWQDv which would have been achieved on-site for projects completed using alternative compliance measures.
- 13 Alternative Compliance Measures refer only to the alternative measures used to comply with Planning and Land Development Program requirements as described in Part V.D.7.c.iii.(1)-(7)
- 14 Design Retention Volume should correspond to the sum of the mitigation volume (M) and the volume of stormwater runoff reliably retained on-site (Rv) as noted in Equation 2 of Part V.D.7.c.iii.(2).(c) and Part V.D.7.c.iii.(3).(c) of the permit.
- 15 Design Biofiltration Volume should correspond to the biofiltration volume (Bv) noted in Equation 1 of Part V.D.7.c.iii.(1).(a) of the permit.
- 16 "Regional Storm Water Mitigation Program" is only applicable where the Permittee (or Permittee Group) has received approval of such a program from the Regional Water Board. If a Permittee intends to use regional projects in an approved WMP or EWMP as the basis of a Regional Storm Water Mitigation Program, the Permittee must still receive approval of the program from the Regional Water Board.
- 17 "Offsite projects" refers only to offsite projects being used as an alternative compliance measure for development/redevelopment project applicants that have demonstrated technical infeasibility for on-site retention of the SWQDv. This does not include on-site biofiltration, however it does include off-site biofiltration projects.
- 18 Permittee may report the length of street swept in "total miles of street" and/or "total curb miles," depending on availability.
- 19 Illicit discharges and connections detected through other inspection programs should be included.
- 20 If project not designed to retain stormwater, mark "N/A"
- 21 For riparian buffer projects include width, length and vegetation type; for wetland restoration projects include acres restored, enhanced or created
- 22 Year 1 = 2012-13 Annual Report; Year 2 = 13-14; Year 3 = 14-15; Year 4 = 15-16; Year 5 = 16-17;...

Long Beach

Section 1.0 Attachments Reporting Year 2018-2019

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of either a principal executive officer, ranking elected official, or by a duly authorized representative of a principal executive officer or ranking elected official. A person is a duly authorized representative only if:

- a. The authorization is made in writing by a principal executive officer or ranking elected official.
- b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
- c. The written authorization is submitted to the Regional Board.

If an authorization of a duly authorized representative is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization will be submitted to the Regional Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

Signature Melissa You

Name Melissa You

Title Stormwater/Environmental Compliance Officer

City Long Beach

Date 12/12/19

Long Beach

Section 5.5 Attachments Reporting Year 2018-2019

**NPDES Report
Environmental Services Bureau
City of Long Beach
July 1, 2018 – June 30, 2019**

The Environmental Services Bureau (ESB) provides various refuse, recycling, litter abatement and street sweeping programs.

Summaries of existing programs for July 1, 2018 – June 30, 2019 are listed below:

Street Sweeping

During July 1, 2018 – June 30, 2019, the Street Sweeping division swept 146,555 miles and picked up 9,702 tons of material.

Litter Campaign

ESB established a Litter Abatement and Awareness Campaign program (Litter-Free Long Beach) in FY 05. Below is a description of Campaign programs conducted July 1, 2018 – June 30, 2019:

- Conducted 65 community and business corridor clean-ups.
- Involved 808 volunteer participants at neighborhood and business clean-up events.
- Collected 307 tons of litter from community and business corridor clean-up efforts.
- Promoted the “No Litter Zone” program through door-to-door efforts with 570 businesses participating in the program receiving a free 20-gallon trash can, liners, broom and dust pan for use to help keep their store fronts clean.
- Provided 362 litter and 190 recycling temporary boxes at 31 Special Events throughout the City.
- Promoted the “Can Your Butts” (CYB) campaign to restaurants, bars and barber shops to reduce cigarette litter through a voluntary partnership with Litter Free LB. Participating businesses in the “CYB Target Zones” can receive free resources such as posters, pocket ashtrays, and a cigarette waste receptacle for the front of their establishment.
- Maintained sponsorship of 12 street locations through the “Adopt-a-Street” program.
- Continued a program for residents to contact and report businesses that leave unwanted handbills on residential property and create litter in Long Beach neighborhoods.
- Issued 192 citations through the Long Beach Police Department.
- Promoting neighborhood clean-up events online and in social media.
- Provided a series of informational brochures and flyers on litter abatement, recycling, hazardous waste, tire amnesty events, holiday tree recycling, and composting.
- Produced promotional car decals, baseball caps, pencils, reusable grocery bags, battery bags, chip clips, and rulers.
- Monitor compliance of the plastic bag ban implemented in FY11, which prohibits the use of plastic bags at grocery stores throughout the City. Residents are encouraged to bring reusable tote bags, or can purchase paper bags for \$0.10 each.

Refuse/Recycling

From July 1, 2018 to June 30, 2019, ESB continued to provide a number of refuse and recycling services that included curbside collections, the Household Hazardous Waste facility and special item pick-ups. In addition, ESB played an active role in the community through various outreach and educational programs.

- Collected approximately 176,075 tons of waste from City managed routes and beaches.
- Provided all City-serviced refuse accounts with four free bulky item collections per year, with any additional collections at a cost of \$6.89 per item.
- Staff attended 63 neighborhood meetings and community events promoting recycling and litter abatement, with 72,370 residents attending.
- ESB conducted 8 composting workshops and special event composting demonstrations for a total of approximately 208 participants, and distributed 120 composting bins to residents and schools throughout the City. This was the first year that ESB offered Spanish language classes.
- Received a \$118,496 beverage container recycling block grant from CalRecycle's City County Payment Program that was used to support litter abatement programs and various activities related to beverage container recycling. In addition, the funds assisted the City's curbside residential program in collecting 25,519 tons of recyclable material.
- Working together with EDCO and Los Angeles County, the Household Hazardous Waste facility at 2755 California Avenue in Signal Hill opened its doors to Los Angeles County residents in March of 2013. This facility allows residents of LA County to drop off household hazardous waste (HHW) and electronic waste items for proper recycling or disposal. Items that are accepted at this facility include (but are not limited to): batteries, chemicals, pharmaceuticals, and fluorescent light bulbs. From July 1, 2018 – June 30, 2019, 8,821 cars that came through the facility, for a total of 862,949 pounds of materials.
- Collected 544 gallons of motor oil and 138 motor oil filters as part of the City's curbside motor oil recycling program.
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- Applied for \$99,988 Tire Cleanup Grant from CalRecycle which supports the tire amnesty events that occur twice a month and help reduce illegal dumping.
- City Council passed an expanded polystyrene (EPS) ordinance on to-go containers that prohibits the use of EPS to-go containers, as well the sale of EPS coolers at retail establishments and beads in craft stores. The ordinance is being phased in 9/3/17 – 12/3/19. ESB developed a recognition program to encourage all businesses to comply early (prior to the deadline). A main goal of the ordinance is to reduce litter.
- ESB partnered with non-profit and residential recycling waste haulers to host a beach clean-up event on the Long Beach peninsula.

Long Beach

Section 8.0 Attachments Reporting Year 2018-2019

**2019 Los Angeles River Trash TMDL Annual Report
for the City of Long Beach**

Prepared for the Los Angeles Regional Water Quality Control Board
Submitted as part of the 2018-2019 Individual MS4 NPDES Annual Report

December 15, 2019

December 15, 2019

City of Long Beach Trash TMDL Annual Report

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December 15, 2019

City of Long Beach Trash TMDL Annual Report

1. Background

The City of Long Beach (City) is complying with the Los Angeles River Trash TMDL (Trash TMDL) through an alternative compliance option, as allowed by the June 11, 2015, Los Angeles Regional Water Quality Control Board (Regional Board) Amendment to the Trash TMDL. The City is employing a combination of full capture systems, partial capture systems, and institutional controls—all properly sized, operated, and maintained—to achieve a reduction in trash discharge meeting the requirements of the Trash TMDL. This reduction is determined. The percent reduction is determined through a mass balance approach, based on a daily generation rate (DGR) study as described in the Regional Board’s August 9, 2007, Trash TMDL Staff Report for the Los Angeles River Watershed.

2. Compliance Status

The Regional Board’s mass balance worksheets (Reporting Forms) were used to calculate the percent reduction in trash discharge for reporting year 2018-2019. They are discussed in Section 5 and included in Section 6 of this report.

The City will continue to properly maintain its trash capture devices and institutional controls and anticipates loading reductions above 99% in future reporting years. The City requests the Executive Officer’s concurrence to reduce the frequency of DGR studies from annually to once every five years. The City will report annually on the continued implementation at the same level of capture devices and institutional controls and any drastic land use changes that occur.

3. Full Capture Systems, Partial Capture Systems, and Institutional Controls

A complete list of trash capture devices is included in Section 6. Trash capture devices were installed in all technically feasible locations. This amounts to 88.2% of catch basins with full capture devices and another 4.5% with automatic retractable screens (partial capture devices) for a total of 92.6%—equating to 2,844 catch basins—retrofitted. Institutional controls include littering ordinances, regular catch basin cleaning, weekly and special event street sweeping, public education and stormwater pollution prevention outreach, residential curbside recycling, hazardous and electronic waste roundups, and bulky item collection. An enhancement to these institutional controls is the State’s recently adopted ordinance banning single-use plastic bags.

4. Daily Generation Rate (DGR) Study

The City’s trash discharge for the reporting year was estimated using a mass balance approach based on a trash DGR calculated for land use areas within the City. The representative land use areas studied were commercial, high and low density residential, industrial, public facilities, and open space. The DGR was calculated by weighing trash collected over a 30-day period in the summer along representative street sweeping collection routes within the study areas, then extrapolating that weight across the City. See Figures 1-12 for the designated routes. The results of the DGR study are included as part of the Regional Board Reporting Forms in Section 6.

4.1 Study method

Trash¹ was manually picked up with a reaching tool along the collection routes. (See Figure 13.) The manual pickup was conducted one day prior to street sweeping for each route. Catch basins along the study routes were covered to prevent trash from being swept into them. (See Figure 14.) Only trash a quarter of an inch or larger was collected. Collected trash in each area was weighed using a calibrated digital scale. (See Figure 15.) Five gallon buckets were used to estimate the volume. The trash was then separated and quantified by material type. A standard health and safety plan was followed at all times. The health and safety plan is available upon request.

4.2 Collection routes

Figures 1-12 show the collection routes for the DGR Study. Each figure includes a brief description.



Figure 1. High Density Residential Area Route 1. Collection occurred Tuesday. Route includes the side of the street swept Wednesday only.

¹ Following the Los Angeles River Trash TMDL, “trash” is defined in California Government Code Section 68055.1(g) as “...all improperly discarded waste material, including, but not limited to, convenience food, beverage, and other product packages or containers constructed of steel, aluminum, glass, paper, plastic, and other natural and synthetic materials, thrown or deposited on the lands and waters of the state, but not including the properly discarded waste of the primary processing of agriculture, mining, logging, sawmilling or manufacturing.”

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City of Long Beach Trash TMDL Annual Report

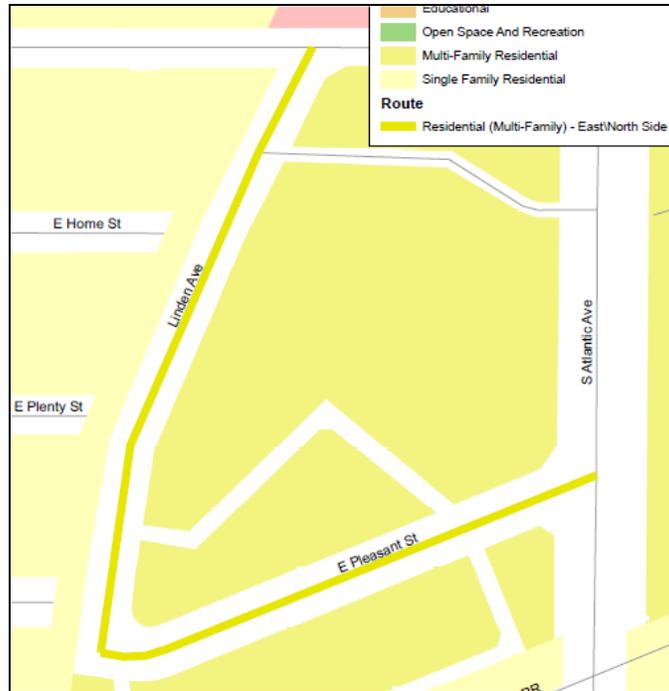


Figure 2. High Density Residential Area Route 2. Collection occurred Monday. Route includes the side of the street swept Tuesday only.



Figure 3. Low Density Residential Area Route 1. Collection occurred Monday. Route includes the side of the street swept Tuesday only.



Figure 4. Low Density Residential Area Route 2. Collection occurred Tuesdays. Route includes the side of the street swept Wednesday only.

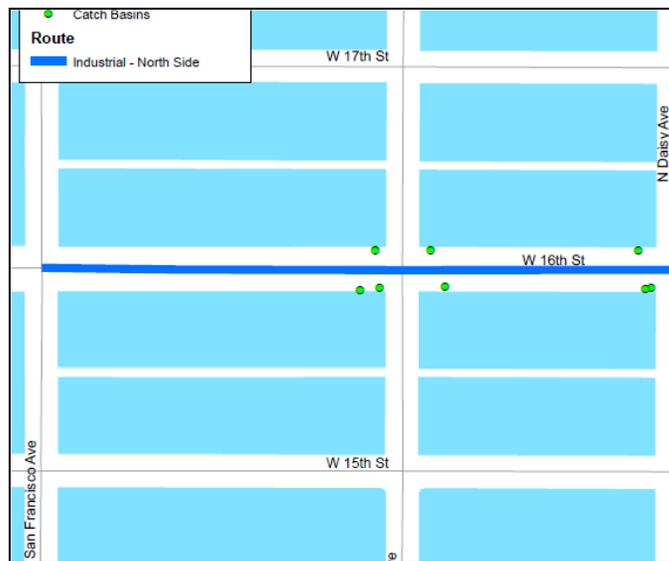


Figure 5. Industrial Area Route 1. Collection occurred Monday. Route includes the side of the street swept Tuesday only.

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Figure 6. Industrial Area Route 2. Collection occurred on Monday. Route includes only the side of the street swept Tuesday.



Figure 7. Commercial Area Route 1. Collection occurred on Monday. Route includes only the side of the street swept Tuesday.



Figure 8. Commercial Area Route 2. Collection occurred on Tuesday. Route includes only the side of the street swept Wednesday.

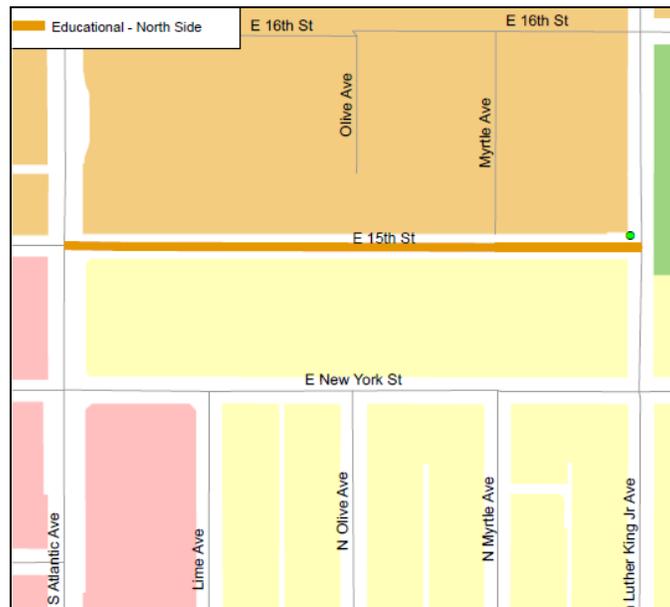


Figure 9. Public/Educational Area Route 1. Collection occurred on Tuesday. Route includes only the side of the street swept Wednesday.

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City of Long Beach Trash TMDL Annual Report

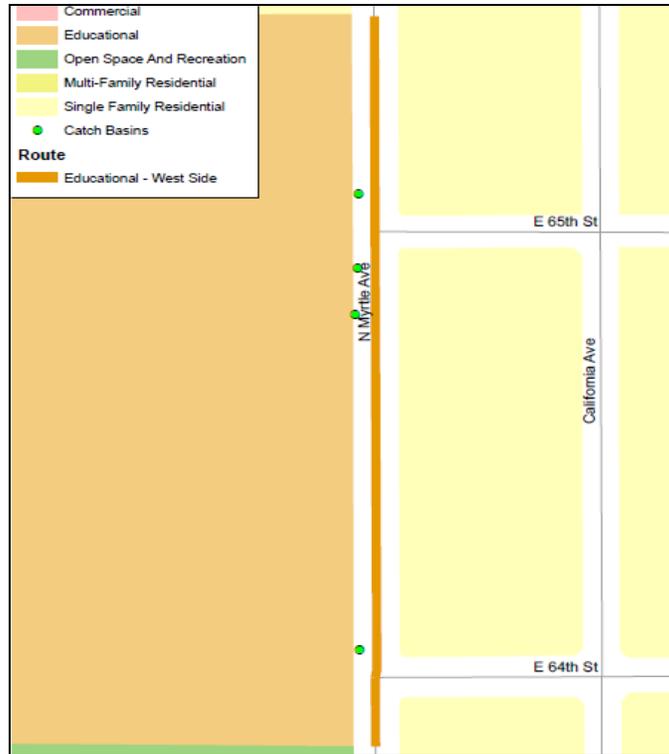


Figure 10. Public/Educational Area Route 2. Collection occurred on Monday. Route includes only the side of the street swept Tuesday.



Figure 11. Open Space Area Route 1. Collection occurred on Thursday. Route includes only the side of the street swept Friday.

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City of Long Beach Trash TMDL Annual Report

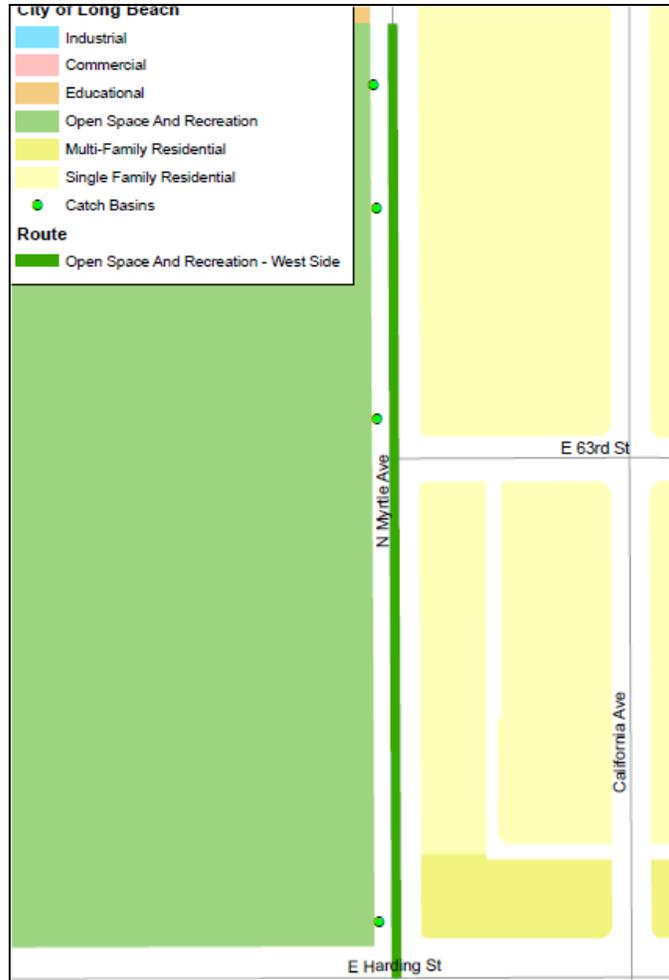


Figure 12. Open Space Area Route 2. Collection occurred on Monday. Route includes only the side of the street swept Tuesday.

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City of Long Beach Trash TMDL Annual Report

4.3 Field pictures

Figures 13 -15 were taken during the 2018 DGR study. Figure 16 was taken during the 2019 DGR Study. Each picture includes a brief description.



Figure 13. DGR crew member collecting trash using a reaching tool.



Figure 14. Catch basins along the study routes were covered to prevent trash from being swept into them.



Figure 15. DGR crew member weighing collected trash using a digital scale.



Figure 16. Sorted trash pile from the High Density Residential Area Route #2 on 9-16-19.

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City of Long Beach Trash TMDL Annual Report

5. Mass Balance Approach

The mass balance Reporting Forms provided by the Regional Board were used to calculate total trash discharge. (See Section 6.) Deviations from the Reporting Forms are noted and explained in the comments sections. This includes the following:

- The City's streets are not swept in one day. Approximately equal parts are swept Monday through Friday. Accounting for this effect results in fractional days of trash accumulation for a given storm event.

6. Trash TMDL Reporting Forms

The 2019 Trash TMDL Reporting Forms are included on the following pages.

Trash Collection for Calculation of Daily Generation Rate, DGR										
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11
Land Use Category	Total Curb Miles within Jurisdiction	Representative Curb Miles for DGR Calculation	Date of Last Street Sweeping	Date of DGR Sampling	Length of Collection Period	Trash Collection from Representative Area (lb. or gal.)	Trash Cleaned Out from Catchbasin(s) within the Representative Area (lb. or gal.)	Total Amount of Trash Generated in Representative area	Total Trash Generated within Representative Area	Comments
Low Density	341.7668	0.50	08/14/19	8/20/19	6	1.0000	0	1.0000		Residential areas swept weekly. DGR sampling collected weekly by hand a day prior to street sweeping activities. Thus a six-day period elapsed between sweeping and collection events. The 7 days collection period in Round 2 are due to the holiday pushing back the street sweeping event.
			08/28/19	9/4/19	7	0.0875	0	0.0875		
			09/05/19	9/10/19	5	0.4375	0	0.4375		
			09/11/19	9/17/19	6	0.2500	0	0.2500		
			09/18/19	9/24/19	6	0.3750	0	0.3750	49.24	
				Total Days:	30					
Commercial	184.32485	0.50	08/20/19	8/26/19	6	6.5000	0	6.5000		Commercial areas swept weekly. DGR sampling collected weekly by hand a day prior to street sweeping activities. Thus a six-day period elapsed between sweeping and collection events. The 7 days collection period in Round 2 are due to the holiday pushing back the street sweeping event.
			08/27/19	9/3/19	7	5.2175	0	5.2175		
			09/04/19	9/9/19	5	4.4375	0	4.4375		
			09/10/19	9/16/19	6	4.4375	0	4.4375		
			09/17/19	9/23/19	6	5.6875	0	5.6875	325.37	
				Total Days:	30					
High Density	175.74161	0.51	08/20/19	8/26/19	6	5.5000	0	5.5000		Residential areas swept weekly. DGR sampling collected weekly by hand a day prior to street sweeping activities. Thus a six-day period elapsed between sweeping and collection events. The 7 days collection period in Round 2 are due to the holiday pushing back the street sweeping event.
			08/27/19	9/3/19	7	6.6125	0	6.6125		
			09/04/19	9/9/19	5	6.9375	0	6.9375		
			09/10/19	9/16/19	6	6.1250	0	6.1250		
			09/17/19	9/23/19	6	5.8750	0	5.8750	354.74	
				Total Days:	30					
Industrial	40.623319	0.40	08/20/19	8/26/19	6	2.9375	0	2.9375		Industrial areas swept weekly. DGR sampling collected weekly by hand a day prior to street sweeping activities. Thus a six-day period elapsed between sweeping and collection events. The 7 days collection period in Round 2 are due to the holiday pushing back the street sweeping event.
			08/27/19	9/3/19	7	3.5450	0	3.5450		
			09/04/19	9/9/19	5	1.6250	0	1.6250		
			09/10/19	9/16/19	6	2.0625	0	2.0625		
			09/17/19	9/23/19	6	3.7500	0	3.7500	46.59	
				Total Days:	30					
Public Facilities / Educational Institutions	14.866549	0.45	08/14/19	8/20/19	6	4.3125	0	4.3125		Public/educational areas swept weekly. DGR sampling collected weekly by hand a day prior to street sweeping activities. Thus a six-day period elapsed between sweeping and collection events. The 7 days collection period in Round 3 are due to the holiday pushing back the street sweeping event.
			08/21/19	8/27/19	6	2.2200	0	2.2200		
			08/28/19	9/4/19	7	0.6875	0	0.6875		
			09/05/19	9/10/19	5	2.6875	0	2.6875		
			09/11/19	9/17/19	6	2.0000	0	2.0000	13.06	
				Total Days:	30					
Open Space / Recreation	16.439855	0.38	08/16/19	8/22/19	6	2.5000	0	2.5000		Open Space/Recreation areas swept weekly. DGR sampling collected weekly by hand a day prior to street sweeping activities. Thus a six-day period elapsed between sweeping and collection events. The 7 days collection period in Round 3 are due to the holiday pushing back the street sweeping event.
			08/23/19	8/29/19	6	1.5075	0	1.5075		
			08/30/19	9/6/19	7	1.8750	0	1.8750		
			09/07/19	9/12/19	5	1.6250	0	1.6250		
			09/13/19	9/19/19	6	1.5000	0	1.5000	12.85	
				Total Days:	30					
Total Area	773.76	2.75					Total Trash (lbs)	94.3		
							DGR (lbs/day)	801.85		
Notes:	* Total collection period must equal 30 days for each representative land use area.									
Col. 1	Land Use Category - Categories based on Baseline Monitoring Program conducted by LACDPW baseline monitoring group. Alternatively, describe land use type as designated by the City.									
Col. 2	Total area of said land use within jurisdiction (fill in once in gray-highlighted row for each land use category). Total area may be accounted for using other approved measurement units, e.g. curb miles.									
Col. 3	Representative area for DGR calculation (fill in once in gray-highlighted row for each land use category). Representative area may be accounted for using other approved measurement units, e.g. curb miles. Collectively, the areas used for DGR calculation should be representative, proportionally, of the land uses within the jurisdiction and must be approved by the EO prior to the 30-day collection period.									
Col. 4	Date of last street sweeping									
Col. 5	Date of DGR sampling (direct measurement of deposited trash) - The DGR collection period(s) must fall between June 22nd and September 22nd									
Col. 6	Length of Collection Period in days - The DGR collection period must be 30 days, total, for each representative land use area									
Col. 7	Trash collection from representative area through street sweeping or other method, lb. or gal.									
Col. 8	Trash cleaned out from catchbasins within the representative area (lb. or gal.). Trash accumulated in the CBs during the DGR collection period must be included in the total trash generated.									
Col. 9	Where CBs are closed off such that no trash can enter them for the purpose of DGR sampling, this value will be zero (0).									
Col. 9	Total amount of trash generated in representative area (sum of Col. 7 and Col. 8), lb. or gal.									

Rainfall Station: LONG BEACH DAUGHERTY AIRPORT, CA US							
Total Trash Discharged by Storm Event							
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
DGR	Date of Last Street Sweeping	Date of Storm Event	Precipitation Depth*	Days**	Amount of Trash Recovered from Catchbasins	Storm Event Trash Discharge	Comments
801.9	10/09/18	10/12/2018	0.34	2.50		2004.63	* Rainfall data was collected from the closest rainfall station.
801.9	11/19/18	11/22/2018	0.41	2.90		2325.37	
801.9	11/26/18	11/29/2018	0.84	2.90		2325.37	** The entire City of Long Beach is not swept in one day. Approximately equal parts of the City are swept Monday through Friday. As such during any given rain event, different parts of the City were swept between 1 to 7 days previously. Accounting for this effect results in fractional days of trash accumulation for a given storm event.
801.9	12/03/18	12/6/2018	1.64	2.90		2325.37	
801.9	01/01/19	1/5/2019	0.78	3.50		2806.48	
801.9	01/08/19	1/12/2019	0.69	3.50		2806.48	
801.9	01/12/19	1/14/2019	1.05	1.70		1363.15	
801.9	01/14/19	1/15/2019	0.93	0.90		721.67	
801.9	01/15/19	1/16/2019	0.98	0.90		721.67	
801.9	01/16/19	1/17/2019	0.59	0.90		721.67	
801.9	01/28/19	1/31/2019	1.24	2.90		2325.37	
801.9	01/31/19	2/2/2019	1.39	1.90		1523.52	
801.9	02/02/19	2/3/2019	0.27	1.00		801.85	
801.9	02/03/19	2/4/2019	0.37	1.00		801.85	
801.9	02/11/19	2/14/2019	2.25	2.90		2325.37	
801.9	02/26/19	3/2/2019	0.85	3.50		2806.48	
801.9	03/02/19	3/6/2019	0.86	3.50		2806.48	
801.9	05/13/19	5/16/2019	0.25	2.90		2325.37	
Total Storm Year Trash Discharge						33,838.19	
Notations:							
Form	Add additional rows for storm events, if necessary						
Rainfall Station	Name of rainfall station used, indicate only the L.A. County station number						
Total Storm Year Trash Discharge = Sum of individual storm event discharges for reporting period (October 1 - September 30).							
Col. 1	DGR for Jurisdiction from DGR Sampling Data worksheet						

Rainfall Station: LONG BEACH DAUGHERTY AIRPORT, CA US							
Total Trash Discharged by Storm Event							
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
DGR	Date of Last Street Sweeping	Date of Storm Event	Precipitation Depth*	Days**	Amount of Trash Recovered from Catchbasins	Storm Event Trash Discharge	Comments
Col. 2	Date of last street sweeping						
Col. 3	Date of storm event with 0.25 inch or more of rainfall						
Col. 4	Depth of rainfall taken from nearest rainfall station (in.)						
Col. 5	Number of days between date of last street sweeping and storm event. For each day of a storm event that generates precipitation greater than 0.25 inch, the Permittee shall calculate a storm event discharge. When more than one storm event occurs prior to the next street sweeping the discharge shall be calculated from the date of the last storm event discharge calculation.						
Col. 6	Amount of trash recovered from catchbasins, if any (lb. or gal.)						
Col. 7	Storm Event Discharge = Col. 1 x Col. 5 - Col. 7 [trash discharged by the storm event], lbs. or gal.						
Col. 8	Provide comments, if necessary						

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10
Reporting Period	Institutional Control Measure			Structural Control Measure		Required Trash Abatement (%)	Total Combined Compliance	Compliance	Comments
	Total Trash Discharged (lbs.)	Effluent Limitation	Equivalent Compliance	Total # CBs served by FCDs and PCDs	% of CBs served by FCDs / PCDs				
31-Oct-11				Total CBs= 3070 Total FCDs= 2707 Total PCDs=137	92.0%	60%	92.0%	Yes	
31-Oct-12				2825	92.0%	70%	92.0%	Yes	
31-Oct-13				2825	92.0%	80%	92.0%	Yes	
31-Oct-14				2825	92.0%	90%	92.0%	Yes	
31-Oct-15			5.99%	2825	92.0%	96.7%	99.3%	Yes	
31-Oct-16			5.99%	2825	92.0%	99.0%	99.3%	Yes	
31-Oct-17	36713.00	1498	75.5%	2825	92.0%	99.0%	98.0%	Yes	
31-Oct-18	10,797	1498	92.8%	2825	92.0%	99.0%	99.4%	Yes	
31-Oct-19	33,838	1498	77.4%	2825	92.0%	99.0%	98.2%	Yes	

Notations:

- Form** Structural Control Measure: Report compliance using land area served by FCD/PCDs or number of catchbasins served by FCD/PCDs.
- Column 1: Reporting Period: Part 7.1.(C)(1) of Order No. 01-182 as amended by Order No. R4-2009-0130
- Column 2: As calculated pursuant to Part 7.1.(B)(1)(b)(2) of Order No. 01-182 as amended by Order No. R4-2009-0130
 Alternative approaches per Part 7.1.(B)(1)(b)(3) must be approved in advance by the Executive Officer
- Column 3: Effluent Limitation per Part 7.1, Appendix 7-1, Table 1a or 1b, of Order No. 01-182 as amended by Order No. R4-2009-0130
- Column 4: Compliance = 1-(Col. 2 / Baseline Waste Load Allocation)
- Column 5: Total number of catchbasins, total number of (CBs) served by FCD/PCDs within jurisdiction
- Column 6: Percentage of CBs served by FCD/PCDs within jurisdiction
- Column 7: Required Trash Abatement: Part 7.1, Appendix 7-1 of Order No. 01-182 as amended by Order No. R4-2009-0130
- Column 8: Total Combined Compliance = (Col. 6) + (1.0-Col.6)*(Col.4)
- Column 9: FCD Compliance: Yes, if Col. 8 is greater than Col. 7
- Column 10: Provide comments, if necessary

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	SW	GREEN LEAF	TEMPLE	CITY	CITY	6/22/2010	1812	464	GRATING	COUNTY	COUNTY	Quarterly by City
CPS	SE	GREEN LEAF	TEMPLE	CITY	CITY	6/22/2010	1812	466	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	GREEN LEAF	TEMPLE / BURRIS	CITY	CITY	6/22/2010	1812	542	GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BORT	ORCUTT	CITY	CITY	6/22/2010	1813	001	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BORT	FENTER	CITY	CITY	6/23/2010	1813	002	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BORT	GALE	CITY	CITY	6/23/2010	1813	003	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	BORT	GALE	CITY	CITY	6/23/2010	1813	077	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	BORT	FENTER	CITY	CITY	6/23/2010	1813	078	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	MID	SUSANA	LAS HERMANAS / HARCOURT	CITY	CITY	6/23/2010	1813	081	CURB OPENING	CITY	CITY	Quarterly by City
NONE	NE	SUSANA	VICTORIA	CITY	CITY	6/23/2010	1813	086	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	VICTORIA	SUSANA	CITY	CITY	10/22/2010	1813	087	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	VICTORIA	SUSANA	CITY	CITY	6/23/2010	1813	088	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	W OF 87	VICTORIA	SUSANA	CITY	CITY	6/24/2010	1813	089	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	VICTORIA	SUSANA / LONG BEACH	CITY	CITY	6/24/2010	1813	090	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	EAST	SUSANA	ANA	CITY	CITY	6/24/2010	1813	092	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Part 7.1 C(1)(a) -
L.A. County MS4 Permit
City of Long Beach
Annual Report: Dec 2019

Certified Full Capture Systems Database

Date : 12/15/2019
Reporting year: 2018-2019
Prepared by: City of Long Beach

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
NONE	MID	SUSANA	ANA/MARIA	CITY	CITY	6/24/2010	1813	095	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SUSANA	DEL AMO	CITY	CITY	6/25/2010	1814	101	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DEL AMO	SUSANA	CITY	CITY	6/25/2010	1814	102	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NORTH	WARDLOW	SEABRIGHT	CITY	CITY	6/24/2010	1815	022	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CAMERON	SEABRIGHT	CITY	CITY	6/24/2010	1815	023	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	SE	CAMERON	SEABRIGHT	CITY	CITY	6/24/2010	1815	024	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	LINCOLN	SEABRIGHT	CITY	CITY	6/25/2010	1815	025	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	SE	LINCOLN	SEABRIGHT	CITY	CITY	6/25/2010	1815	026	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	ARLINGTON	SEABRIGHT	CITY	CITY	6/24/2010	1815	027	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	ARLINGTON	SEABRIGHT	CITY	CITY	6/24/2010	1815	028	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	WARDLOW	SANTA FE	CITY	CITY	6/22/2010	1815	029	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	WARDLOW	CITY	CITY	6/22/2010	1815	030	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Part 7.1 C(1)(a) -
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Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	SE	WARDLOW	SANTA FE	CITY	CITY	6/22/2010	1815	031	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CAMERON	SANTA FE	CITY	CITY	6/22/2010	1815	032	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	CAMERON	SANTA FE	CITY	CITY	6/23/2010	1815	033	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	LINCOLN	SANTA FE	CITY	CITY	6/23/2010	1815	034	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	LINCOLN	SANTA FE	CITY	CITY	6/23/2010	1815	035	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	ARLINGTON	CITY	CITY	6/23/2010	1815	036	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N CURB	CAMERON	RAIL ROAD, CUL DE SAC	CITY	CITY	6/28/2010	1815	037	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	S CURB	CAMERON	RAIL ROAD, CUL DE SAC	CITY	CITY	6/28/2010	1815	038	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N CURB	LINCOLN	RAIL ROAD, CUL DE SAC	CITY	CITY	6/25/2010	1815	039	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	S CURB	LINCOLN	RAIL ROAD, CUL DE SAC	CITY	CITY	6/25/2010	1815	040	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	N CURB	ARLINGTON	RAIL ROAD, CUL DE SAC	CITY	CITY	6/24/2010	1815	041	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	S CURB	ARLINGTON	RAIL ROAD, CUL DE SAC	CITY	CITY	6/24/2010	1815	042	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	DELTA	ARLINGTON	CITY	CITY	6/24/2010	1815	043	GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NW	ARLINGTON	DELTA	CITY	CITY	6/24/2010	1815	044	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	ARLINGTON	DELTA	CITY	CITY	6/23/2010	1815	045	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	SE	DELTA	ARLINGTON	CITY	CITY	6/24/2010	1815	046	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DELTA	TAPER	CITY	CITY	6/28/2010	1815	047	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID(W)	DELTA	ARLINGTON/34TH	CITY	CITY	6/28/2010	1815	048	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	TAPER	DELTA	CITY	CITY	6/28/2010	1815	049	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	TAPER	DELTA	CITY	CITY	6/28/2010	1815	050	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	TAPER	CITY	CITY	6/29/2010	1815	051	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	TAPER	EASY	CITY	CITY	6/29/2010	1815	052	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	34TH	DELTA / GALE	CITY	CITY	6/30/2010	1815	053	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	TAPER	CITY	CITY	6/29/2010	1815	054	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	TAPER	GALE	CITY	CITY	6/29/2010	1815	055	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GALE	34TH	CITY	CITY	6/29/2010	1815	056	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	34TH	CITY	CITY	6/30/2010	1815	057	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	34TH	GALE	CITY	CITY	6/30/2010	1815	058	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	WOODLAND	CITY	CITY	7/2/2010	1815	059	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	34TH	SANTA FE	CITY	CITY	7/1/2010	1815	060	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	ADRIATIC	34TH	CITY	CITY	7/1/2010	1815	061	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	ADRIATIC	34TH	CITY	CITY	7/1/2010	1815	062	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	34TH	ADRIATIC	CITY	CITY	7/1/2010	1815	063	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BALTIC	34TH	CITY	CITY	7/1/2010	1815	064	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	34TH	BALTIC	CITY	CITY	7/1/2010	1815	065	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID/N	34TH	CASPIAN	CITY	CITY	6/30/2010	1815	066	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	34TH	CASPIAN	CITY	CITY	6/30/2010	1815	067	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	34TH	CASPIAN	CITY	CITY	6/30/2010	1815	068	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	DOMINGUEZ	BATIC / CUL DE SAC	CITY	CITY	6/25/2010	1815	080	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	S	COLUMBIA	WEBSTER	CITY	CITY	7/2/2010	1816	005	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	WEBSTER	COLUMBIA	CITY	CITY	7/2/2010	1816	006	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 6	WEBSTER	COLUMBIA	CITY	CITY	7/2/2010	1816	007	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	COLUMBIA	WEBSTER	CITY	CITY	7/2/2010	1816	008	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	WEBSTER	COLUMBIA	CITY	CITY	7/2/2010	1816	009	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 9	WEBSTER	COLUMBIA	CITY	CITY	7/2/2010	1816	010	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	SEABRIGHT	COLUMBIA	CITY	CITY	7/6/2010	1816	011	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 11	SEABRIGHT	COLUMBIA	CITY	CITY	7/6/2010	1816	012	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SEABRIGHT	COLUMBIA	CITY	CITY	7/6/2010	1816	013	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 13	SEABRIGHT	COLUMBIA	CITY	CITY	7/6/2010	1816	014	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	COLUMBIA	SEABRIGHT	CITY	CITY	7/6/2010	1816	015	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	COLUMBIA	SANTA FE	CITY	CITY	7/6/2010	1816	016	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SANTA FE	COLUMBIA	CITY	CITY	7/6/2010	1816	017	GRATING	COUNTY	COUNTY	Quarterly by City
CPS	SW	SPRING	CANAL	CITY	CITY	7/6/2010	1816	018	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SPRING	CANAL	CITY	CITY	7/6/2010	1816	019	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NORTH	SPRING	CANAL	CITY	CITY	7/6/2010	1816	020	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BALTIC	SPRING	CITY	CITY	7/6/2010	1816	021	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BALTIC	SPRING	CITY	CITY	7/6/2010	1816	022	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CASPIAN	SPRING	CITY	CITY	7/7/2010	1816	023	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SPRING	CASPIAN	CITY	CITY	7/6/2010	1816	024	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SPRING	DELTA	CITY	CITY	7/7/2010	1816	025	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	SW	SPRING	DELTA	CITY	CITY	7/7/2010	1816	026	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SPRING	DELTA	CITY	CITY	7/7/2010	1816	027	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SPRING	DELTA	CITY	CITY	7/7/2010	1816	028	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	SPRING	EASY	CITY	CITY	7/7/2010	1816	029	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SPRING	FASHION	CITY	CITY	7/8/2010	1816	030	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	GALE	29TH	CITY	CITY	7/7/2010	1816	031	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	GALE	29TH	CITY	CITY	7/7/2010	1816	032	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GALE	29TH	CITY	CITY	7/7/2010	1816	033	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	29TH	CITY	CITY	7/7/2010	1816	034	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GALE	SPRING	CITY	CITY	7/8/2010	1816	035	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	SPRING	CITY	CITY	7/8/2010	1816	036	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SPRING	FASHION	CITY	CITY	7/8/2010	1816	037	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SPRING	FASHION	CITY	CITY	7/8/2010	1816	038	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	SPRING	CITY	CITY	7/7/2010	1816	039	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	SPRING	CITY	CITY	7/7/2010	1816	040	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	31ST	GALE	CITY	CITY	7/7/2010	1816	041	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	31ST	CITY	CITY	7/7/2010	1816	042	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GALE	31ST	CITY	CITY	7/7/2010	1816	043	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	W	SANTA FE	32ND	CITY	CITY	7/9/2010	1816	044	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	32ND	SANTA FE	CITY	CITY	7/9/2010	1816	045	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	ADRIACTIC	32ND	CITY	CITY	7/8/2010	1816	046	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NE	ADRIACTIC	32ND	CITY	CITY	7/8/2010	1816	047	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	32ND	BALTIC	CITY	CITY	7/8/2010	1816	048	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	32ND	BALTIC	CITY	CITY	7/8/2010	1816	049	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	32ND	CASPIAN	CITY	CITY	7/8/2010	1816	050	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CASPIAN	32ND	CITY	CITY	7/8/2010	1816	051	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CASPIAN	32ND	CITY	CITY	7/8/2010	1816	052	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	32ND	CASPIAN	CITY	CITY	7/8/2010	1816	053	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	32ND	DELTA	CITY	CITY	7/8/2010	1816	054	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	32ND	DELTA	CITY	CITY	7/8/2010	1816	055	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	DELTA	32ND	CITY	CITY	7/8/2010	1816	056	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DELTA	32ND	CITY	CITY	7/8/2010	1816	057	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	32ND	CITY	CITY	7/8/2010	1816	058	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	32ND	CITY	CITY	7/8/2010	1816	059	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 59	EASY	32ND	CITY	CITY	7/8/2010	1816	060	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 58	EASY	32ND	CITY	CITY	7/9/2010	1816	061	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	FASHION	32ND	CITY	CITY	7/9/2010	1816	062	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	FASHION	32ND	CITY	CITY	7/9/2010	1816	063	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	32ND	GALE	CITY	CITY	7/9/2010	1816	064	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	32ND	CITY	CITY	7/9/2010	1816	065	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GALE	32ND	CITY	CITY	7/9/2010	1816	066	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	33RD	EASY	CITY	CITY	7/9/2010	1816	067	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	33RD	EASY	CITY	CITY	7/9/2010	1816	068	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 67	EASY	33RD	CITY	CITY	7/9/2010	1816	069	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 33RD	EASY	33RD	CITY	CITY	7/9/2010	1816	070	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	SE	33RD	CASPIAN	CITY	CITY	7/9/2010	1816	071	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	33RD	CASPIAN	CITY	CITY	7/9/2010	1816	072	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NW	33RD	CASPIAN	CITY	CITY		1816	073	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NE	33RD	CASPIAN	CITY	CITY	11/5/2010	1816	074	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	CASPIAN	34TH	CITY	CITY	7/9/2010	1816	076	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	CASPIAN	34TH	CITY	CITY	7/12/2010	1816	077	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	34TH	SANTA FE	CITY	CITY	7/12/2010	1816	078	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	E	SANTA FE	34TH	CITY	CITY	7/12/2010	1816	079	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SANTA FE	28TH	CITY	CITY	7/9/2010	1816	080	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	28TH	CITY	CITY	7/9/2010	1816	081	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	ADRIATIC	28TH	CITY	CITY	7/19/2010	1816	082	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NW	28TH	CANAL	CITY	CITY	11/5/2010	1816	083	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CANAL	28TH	CITY	CITY	7/12/2010	1816	084	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CANAL	28TH	CITY	CITY	7/12/2010	1816	085	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BALTIC	28TH	CITY	CITY	7/12/2010	1816	086	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
NONE	NW	28TH	CASPIAN	CITY	CITY		1816	087	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CASPIAN	28TH	CITY	CITY	7/12/2010	1816	088	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CASPIAN	28TH	CITY	CITY	7/12/2010	1816	089	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NW	28TH	DELTA	CITY	CITY		1816	090	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	DELTA	28TH	CITY	CITY	7/12/2010	1816	091	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DELTA	28TH	CITY	CITY	7/12/2010	1816	092	GRATING	COUNTY	COUNTY	Quarterly by City
NONE	NE	28TH	DELTA	CITY	CITY		1816	093	GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	28TH	CITY	CITY	7/12/2010	1816	094	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	28TH	CITY	CITY	7/12/2010	1816	095	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	FASHION	28TH	CITY	CITY	7/12/2010	1816	096	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	FASHION	28TH	CITY	CITY	7/12/2010	1816	097	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	28TH	FASHION	CITY	CITY	7/12/2010	1816	098	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	28TH	CITY	CITY	7/12/2010	1816	099	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GALE	28TH	CITY	CITY	7/9/2010	1816	100	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	27TH	GALE	CITY	CITY	7/19/2010	1816	101	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
NONE	NORTH	28TH	BALTIC	CITY	CITY		1816	103	GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	WETHERLY	LA VERE	CITY	CITY	7/13/2010	1816	104	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	WETHERLY	LA VERE	CITY	CITY	7/13/2010	1816	105	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	RODLOY	LA VERE	CITY	CITY	7/13/2010	1816	106	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	RODLOY	LA VERE	CITY	CITY	7/13/2010	1816	107	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	LA VERE	RODLOY	CITY	CITY	7/13/2010	1816	108	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	LA VERE	WILMA	CITY	CITY	7/13/2010	1816	109	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	LA VERE	WILMA	CITY	CITY	7/13/2010	1816	110	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	WILMA	REGWAY	CITY	CITY	7/14/2010	1816	111	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	REGWAY	WILMA	CITY	CITY	7/15/2010	1816	112	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	WILMA	REGWAY	CITY	CITY	7/15/2010	1816	113	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	WILMA	REGWAY	CITY	CITY	7/15/2010	1816	114	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	WILMA	REGWAY	CITY	CITY	7/15/2010	1816	115	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HAYES	WILMA	CITY	CITY	7/15/2010	1816	116	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HAYES	WILMA	CITY	CITY	7/15/2010	1816	117	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NE	WEBSTER	WILMA	CITY	CITY	7/15/2010	1816	118	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	WEBSTER	WILMA	CITY	CITY	7/15/2010	1816	119	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SEABRIGHT	25TH	CITY	CITY	7/15/2010	1816	120	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SEABRIGHT	25TH	CITY	CITY	7/15/2010	1816	121	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	25TH	SEABRIGHT	CITY	CITY	7/15/2010	1816	122	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	25TH	SEABRIGHT	CITY	CITY	7/15/2010	1816	123	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	25TH	COTA	CITY	CITY	7/19/2010	1816	124	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	25TH	COTA	CITY	CITY	7/14/2010	1816	125	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BURNETT	SEABRIGHT	CITY	CITY	7/14/2010	1816	126	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	BURNETT	SEABRIGHT	CITY	CITY	7/14/2010	1816	127	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HAYES	BURNETT	CITY	CITY	7/19/2010	1816	128	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HAYES	BURNETT	CITY	CITY	7/19/2010	1816	129	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	BURNETT	WEBSTER	CITY	CITY	7/19/2010	1816	130	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BURNETT	WEBSTER	CITY	CITY	7/19/2010	1816	131	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	W	WEBSTER	23RD	CITY	CITY		1816	133	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NE	WEBSTER	23RTH	CITY	CITY	7/19/2010	1816	134	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HAYES	23RD	CITY	CITY	7/19/2010	1816	135	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	23RD	SEABRIGHT	CITY	CITY	7/19/2010	1816	136	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SEABRIGHT	23RD	CITY	CITY	7/19/2010	1816	137	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SEABRIGHT	23RD	CITY	CITY	7/19/2010	1816	138	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SANTA FE	BURNETT	CITY	CITY	7/14/2010	1816	139	CURB OPENING GRATING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	BURNETT	CITY	CITY	7/14/2010	1816	140	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BURNETT	SANTA FE	CITY	CITY	7/14/2010	1816	141	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BURNETT	ADRIATIC	CITY	CITY	7/14/2010	1816	142	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	ADRIATIC	BURNETT	CITY	CITY	7/14/2010	1816	143	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BURNETT	ADRIATIC	CITY	CITY	7/16/2010	1816	144	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BALTIC	BURNETT	CITY	CITY	7/16/2010	1816	145	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BALTIC	BURNETT	CITY	CITY	7/16/2010	1816	146	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CASPIAN	BURNETT	CITY	CITY	7/16/2010	1816	147	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BURNETT	DELTA	CITY	CITY	7/19/2010	1816	148	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	DELTA	BURNETT	CITY	CITY	7/19/2010	1816	149	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N OF 149	DELTA	BURNETT	CITY	CITY	7/19/2010	1816	150	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DELTA	BURNETT	CITY	CITY	7/19/2010	1816	151	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	BURNETT	EASY	CITY	CITY	7/19/2010	1816	152	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	BURNETT	EASY	CITY	CITY	7/19/2010	1816	153	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	23RD	CITY	CITY	7/22/2010	1816	154	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	23RD	CITY	CITY	7/22/2010	1816	155	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	FASHION	BURNETT	CITY	CITY	7/26/2010	1816	156	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	FASHION	BURNETT	CITY	CITY	7/26/2010	1816	157	CURB OPENING	COUNTY	COUNTY	Quarterly by City
ARS	SE	27TH	GALE	CITY	CITY	11/19/2010	1816	121B	CURB OPENING	CITY	CITY	Quarterly by City
NONE	NW	DELTA	28TH	CITY	CITY	11/5/2010	1816	90A	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	NW	REGWAY	WILLOW	CITY	CITY	7/15/2010	1816	XX1	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	NW	REGWAY	WILLOW	CITY	CITY	7/15/2010	1816	XXX	CURB OPENING	CITY	CITY	Quarterly by City
CPS	NE	GOLDEN	HILL	CITY	CITY	7/23/2010	1817	001	CURB OPENING	COUNTY	COUNTY	Quarterly by City
ARS	NW	GOLDEN	HILL	CITY	CITY	10/26/2011	1817	002	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	HILL	GOLDEN	CITY	CITY	7/23/2010	1817	003	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HILL	SAN FRANCISCO	CITY	CITY	7/23/2010	1817	004	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HILL	SAN FRANCISCO	CITY	CITY	7/23/2010	1817	005	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HILL	FASHION	CITY	CITY	7/20/2010	1817	006	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	FASHION	HILL	CITY	CITY	7/20/2010	1817	007	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	HILL	CITY	CITY	7/20/2010	1817	008	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	HILL	CITY	CITY	7/20/2010	1817	009	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DELTA	HILL	CITY	CITY	7/20/2010	1817	010	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	DELTA	HILL	CITY	CITY	7/20/2010	1817	011	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N	HILL	CASPIAN	CITY	CITY	7/19/2010	1817	012	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N	HILL	BALTIC	CITY	CITY	7/19/2010	1817	013	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HILL	CANAL	CITY	CITY	7/19/2010	1817	014	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CANAL	HILL	CITY	CITY	7/19/2010	1817	015	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	HILL	CITY	CITY	7/20/2010	1817	016	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HILL	COTA	CITY	CITY	7/19/2010	1817	017	CURB OPENING	COUNTY	COUNTY	Quarterly by City

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Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NE	COTA	HILL	CITY	CITY	7/19/2010	1817	018	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HILL	SEABRIGHT	CITY	CITY	7/19/2010	1817	019	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SEABRIGHT	HILL	CITY	CITY	7/19/2010	1817	020	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SEABRIGHT	HILL	CITY	CITY	7/19/2010	1817	021	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HILL	SEABRIGHT	CITY	CITY	7/19/2010	1817	022	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	21ST	EASY/FASHION	CITY	CITY	7/22/2010	1817	023	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	21ST	EASY	CITY	CITY	7/22/2010	1817	024	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	EASY	21ST	CITY	CITY	7/22/2010	1817	025	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	21ST	CITY	CITY	7/22/2010	1817	026	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	E	GALE	20TH	CITY	CITY	7/22/2010	1817	027	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	20TH	GALE	CITY	CITY	7/22/2010	1817	028	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	20TH	GALE	CITY	CITY	7/22/2010	1817	029	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	20TH	CITY	CITY	7/22/2010	1817	030	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	20TH	EASY	CITY	CITY	7/22/2010	1817	031	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASY	20TH	CITY	CITY	7/22/2010	1817	032	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Part 7.1 C(1)(a) -
L.A. County MS4 Permit
City of Long Beach
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Certified Full Capture Systems Database

Date : 12/15/2019
Reporting year: 2018-2019
Prepared by: City of Long Beach

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	N	20TH	HARBOR	CITY	CITY	7/22/2010	1817	033	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	20TH	HARBOR	CITY	CITY	7/22/2010	1817	034	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	20TH	HARBOR	CITY	CITY	7/22/2010	1817	035	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	DELTA	20TH	CITY	CITY	7/22/2010	1817	036	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	DELTA	20TH	CITY	CITY	7/22/2010	1817	037	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	20TH	CASPIAN	CITY	CITY	7/22/2010	1817	038	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	20TH	CASPIAN	CITY	CITY	7/22/2010	1817	039	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	SW	20TH	CASPIAN	CITY	CITY		1817	040		COUNTY	COUNTY	Quarterly by City
CPS	NW	20TH	CASPIAN	CITY	CITY	7/22/2010	1817	041	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CANAL	20TH	CITY	CITY	7/20/2010	1817	042	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	20TH	CANAL	CITY	CITY	7/20/2010	1817	043	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	20TH	CANAL	CITY	CITY	7/20/2010	1817	044	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	20TH	CANAL	CITY	CITY	7/20/2010	1817	045	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	20TH	CANAL	CITY	CITY	7/20/2010	1817	046	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	20TH	ADRIATIC	CITY	CITY	7/22/2010	1817	047	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	20TH	ADRIATIC	CITY	CITY	7/22/2010	1817	048	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SANTA FE	20TH	CITY	CITY	7/22/2010	1817	049	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SANTA FE	20TH	CITY	CITY	7/22/2010	1817	050		COUNTY	COUNTY	Quarterly by City
CPS	SW	SANTA FE	20TH	CITY	CITY	7/22/2010	1817	051	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS		GALE	19TH	CITY	CITY	7/26/2010	1817	052		COUNTY	COUNTY	Quarterly by City
CPS	NW	GALE	19TH	CITY	CITY	7/26/2010	1817	053		COUNTY	COUNTY	Quarterly by City
CPS	NE Corner	19TH	GALE / FASHION	CITY	CITY	7/26/2010	1817	054	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	E	FASHION	SUMMIT	CITY	CITY	7/26/2010	1817	055	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SUMMIT	CANAL	CITY	CITY	7/26/2010	1817	056	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	SUMMIT	CANAL	CITY	CITY	7/26/2010	1817	057	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NW	FASHION	19TH	CITY	CITY		1817	058	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NW	19TH	FASHION	CITY	CITY		1817	059	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	GALE	19TH / 20TH	CITY	CITY	7/23/2010	1817	060	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	19TH	HARBOR	CITY	CITY	7/23/2010	1817	061	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HARBOR	19TH	CITY	CITY	7/23/2010	1817	062	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NE	19TH	CASPIAN	CITY	CITY	7/26/2010	1817	063	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	SE	19TH	CASPIAN	CITY	CITY		1817	064	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	SW	19TH	CASPIAN	CITY	CITY		1817	065	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	19TH	CASPIAN	CITY	CITY	7/26/2010	1817	066	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	19TH	CANAL	CITY	CITY	7/26/2010	1817	067	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	19TH	CANAL	CITY	CITY	7/26/2010	1817	068	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	19TH	CANAL	CITY	CITY	7/26/2010	1817	069	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	HARBOR	19TH	CITY	CITY	7/23/2010	1817	070	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	PARADE	HARBOR	CITY	CITY	7/23/2010	1817	071	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HARBOR	PARADE	CITY	CITY	7/23/2010	1817	072	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	PARADE	CASPIAN	CITY	CITY	7/23/2010	1817	073	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	PARADE	CASPIAN	CITY	CITY	7/23/2010	1817	074	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	PARADE	CANAL	CITY	CITY	7/23/2010	1817	075	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CANAL	PARADE	CITY	CITY	7/23/2010	1817	076	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	OREGON	PCH HWY	CITY	CITY	7/26/2010	1817	077	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
NONE	N	PCH HWY	SAN FRANCISCO	CITY	CITY		1817	078	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	SE	PCH HWY	SAN FRANCISCO	CITY	CITY		1817	079	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SAN FRANCISCO	ESTHER	CITY	CITY	7/22/2010	1817	080	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SAN FRANCISCO	ESTHER	CITY	CITY	7/22/2010	1817	081	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SAN FRANCISCO	17TH	CITY	CITY	7/23/2010	1817	082	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SAN FRANCISCO	17TH	CITY	CITY	7/23/2010	1817	083	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HILL	WEBSTER	CITY	CITY	7/26/2010	1817	084	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HILL	WEBSTER	CITY	CITY	7/26/2010	1817	085	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	JUDSON	16TH	CITY	CITY	7/26/2010	1817	086	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	JUDSON	16TH	CITY	CITY	10/22/2010	1817	087	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	HAYES	16TH	CITY	CITY	10/11/2010	1817	088	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	HAYES	16TH	CITY	CITY	11/9/2010	1817	089		COUNTY	COUNTY	Quarterly by City
CPS	NW	JUDSON	GAYLORD	CITY	CITY	7/27/2010	1817	090	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	JUDSON	GAYLORD	CITY	CITY	7/27/2010	1817	091	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	W	JUDSON	15TH	CITY	CITY	7/27/2010	1817	092	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NE	JUDSON	15TH	CITY	CITY	7/27/2010	1817	093	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	16TH	JUDSON	CITY	CITY	9/22/2010	1817	094	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	NE	16TH	JUDSON	CITY	CITY	9/22/2010	1817	095	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	SE	16TH	JUDSON	CITY	CITY	9/28/2010	1817	096		CITY	CITY	Quarterly by City
CPS & ARS	NE	GAYLORD	JUDSON	CITY	CITY	9/22/2010	1817	097	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	SE	GAYLORD	JUDSON	CITY	CITY	9/22/2010	1817	098	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	NE	15TH	JUDSON	CITY	CITY	9/22/2010	1817	099	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	SE	15TH	JUDSON	CITY	CITY	9/28/2010	1817	100	CURB OPENING	CITY	CITY	Quarterly by City
CPS	NW	SEABRIGHT	16TH	CITY	CITY	9/2/2010	1817	101	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SEABRIGHT	16TH	CITY	CITY	9/1/2010	1817	102	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	COTA	16TH	CITY	CITY	9/1/2010	1817	103	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	COTA	16TH	CITY	CITY	9/1/2010	1817	104		COUNTY	COUNTY	Quarterly by City
CPS	MID	16TH	CANAL/SANTA FE	CITY	CITY	8/31/2010	1817	105	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	16TH	CANAL	CITY	CITY	8/31/2010	1817	106	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	16TH	CANAL	CITY	CITY	8/31/2010	1817	107	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	MID	FASHION	17TH/16TH	CITY	CITY	8/31/2010	1817	108	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	FASHION	16TH	CITY	CITY	8/31/2010	1817	109		COUNTY	COUNTY	Quarterly by City
CPS	NE	16TH	FASHION	CITY	CITY	8/31/2010	1817	110	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	16TH	FASHION	CITY	CITY	8/31/2010	1817	111	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	GAYLORD	CANAL	CITY	CITY	8/30/2010	1817	112	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CANAL	GAYLORD	CITY	CITY	8/30/2010	1817	113	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CANAL	GAYLORD	CITY	CITY	8/30/2010	1817	114	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	CASPIAN	GAYLORD	CITY	CITY	9/1/2010	1817	115	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	CASPIAN	GAYLORD	CITY	CITY	9/1/2010	1817	116	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NW	HARBOR	GAYLORD	CITY	CITY		1817	117		COUNTY	COUNTY	Quarterly by City
CPS	NE	HARBOR	GAYLORD	CITY	CITY	8/30/2010	1817	118	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	FASHION	GAYLORD	CITY	CITY	8/30/2010	1817	119	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NE	FASHION	GAYLORD	CITY	CITY		1817	120	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	LOMA VISTA DIR	ST JAMES	CITY	CITY	8/3/2010	1817	121	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	W CURB	LOMA VISTA DIR	ST JAMES/ CHESTER	CITY	CITY		1817	122	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
NONE	E CURB	LOMA VISTA DIR	ST JAMES/ CHESTER	CITY	CITY		1817	123	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	MID	CHESTER	LOMA VISTA DIR/MAINE	CITY	CITY	8/3/2010	1817	124	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	SW	GAYLORD	JUDSON	CITY	CITY	7/29/2010	1817	127	CURB OPENING	CITY	CITY	Quarterly by City
NONE	NW	20TH	SAN FRANCISCO	CITY	CITY		1817	128	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SAN FRANCISCO	20TH	CITY	CITY	7/23/2010	1817	129	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SAN FRANCISCO	20TH	CITY	CITY	7/23/2010	1817	130	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	20TH	SAN FRANCISCO	CITY	CITY	7/23/2010	1817	131	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	SAN FRANCISCO	20TH	CITY	CITY	7/23/2010	1817	132	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SAN FRANCISCO	20TH	CITY	CITY	7/23/2010	1817	133		COUNTY	COUNTY	Quarterly by City
CPS		W 20TH	GOLDEN	CITY	CITY	7/26/2010	1817	134		COUNTY	COUNTY	Quarterly by City
CPS	NW	GOLDEN	20TH	CITY	CITY	7/26/2010	1817	135	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	GOLDEN	20TH	CITY	CITY	7/26/2010	1817	136	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	20TH	GOLDEN	CITY	CITY	7/23/2010	1817	137	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	GOLDEN	20TH	CITY	CITY	7/23/2010	1817	138	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	GOLDEN	20TH	CITY	CITY	7/23/2010	1817	139	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Part 7.1 C(1)(a) -
L.A. County MS4 Permit
City of Long Beach
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Date : 12/15/2019
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Prepared by: City of Long Beach

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	OREGON	20TH	CITY	CITY	7/26/2010	1817	140	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	OREGON	20TH	CITY	CITY	7/26/2010	1817	141	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	PCH HWY	SAN FRANCISCO	CITY	CITY	10/22/2010	1817	142	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	SAN FRANCISCO	15TH	CITY	CITY	7/22/2010	1817	143	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SAN FRANCISCO	15TH	CITY	CITY	7/22/2010	1817	144	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SAN FRANCISCO	15TH	CITY	CITY	7/22/2010	1817	145	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	SAN FRANCISCO	COWLES	CITY	CITY	7/23/2010	1817	146	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	COWLES	SAN FRANCISCO	CITY	CITY	7/23/2010	1817	147	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	COWLES	SAN FRANCISCO	CITY	CITY	7/23/2010	1817	148	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	SAN FRANCISCO	COWLES	CITY	CITY	7/26/2010	1817	149	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	S OF 149	SAN FRANCISCO	COWLES	CITY	CITY	7/26/2010	1817	150	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	SAN FRANCISCO	COWLES	CITY	CITY	7/26/2010	1817	151	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	16TH	SAN FRANCISCO	CITY	CITY	10/22/2010	1817	83A		COUNTY	COUNTY	Quarterly by City
CPS	NE	16TH	SAN FRANCISCO	CITY	CITY	10/22/2010	1817	83B		COUNTY	COUNTY	Quarterly by City
CPS & ARS	SW	JUDSON	16TH	CITY	CITY	9/22/2010	1817	94A	CURB OPENING	CITY	CITY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS & ARS	NE	GOLDEN	3RD	CITY	CITY	8/3/2010	1818	001	CURB OPENING	CITY	CITY	Quarterly by City
CPS & ARS	NW	GOLDEN	3RD	CITY	CITY	8/3/2010	1818	002	CURB OPENING	CITY	CITY	Quarterly by City
CPS	SE	GOLDEN	3RD	CITY	CITY	8/4/2010	1818	004	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	GOLDEN	3RD	CITY	CITY	8/4/2010	1818	005	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	ATLANTIC PL	72ND	CITY	CITY	8/25/2010	1867	086	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	W	ATLANTIC PL	71ST	CITY	CITY	8/25/2010	1867	087	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	ATLANTIC PL	71ST	CITY	CITY	8/24/2010	1867	088	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	71ST	ATLANTIC PL	CITY	CITY	8/24/2010	1867	089	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	71ST	ATLANTIC PL	CITY	CITY	8/24/2010	1867	090	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	W	ATLANTIC PL	70TH	CITY	CITY	8/24/2010	1867	091	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	ATLANTIC PL	70TH	CITY	CITY	8/24/2010	1867	092	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	70TH	ATLANTIC PL	CITY	CITY	8/24/2010	1867	093	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	70TH	ATLANTIC PL	CITY	CITY	8/24/2010	1867	094	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	E CURB	ATLANTIC PL	ATLANTIC AVE/70TH	CITY	CITY	8/23/2010	1867	095	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	W CURB	ATLANTIC PL	ATLANTIC AVE/70TH	CITY	CITY	8/23/2010 10/27/2011	1867	096	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	NW	ORANGE	71ST	CITY	CITY	7/30/2010	1867	143	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASTONDALE	71ST	CITY	CITY	8/25/2010	1867	145	CURB OPENING	COUNTY	COUNTY	Quarterly by City
NONE	NE	EASTONDALE	71ST	CITY	CITY		1867	146	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	71ST	EASTONDALE	CITY	CITY	8/25/2010	1867	147	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	LIME	71ST	CITY	CITY	8/25/2010	1867	148	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	LIME	71ST	CITY	CITY	8/25/2010	1867	149	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	71ST	LIME	CITY	CITY	8/25/2010	1867	150	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	ORANGE	71ST	CITY	CITY	7/30/2010	1867	151	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	ORANGE	70TH	CITY	CITY	7/30/2010	1867	153	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	EASTONDALE	70TH	CITY	CITY	8/26/2010	1867	156	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	70TH	EASTONDALE	CITY	CITY	8/26/2010	1867	157	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	LIME	70TH	CITY	CITY	8/26/2010	1867	158	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	LIME	70TH	CITY	CITY	8/26/2010	1867	159	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	70TH	LIME	CITY	CITY	8/26/2010	1867	160	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	70TH	MYRTLE	CITY	CITY	8/26/2010	1867	161	CURB OPENING	COUNTY	COUNTY	Quarterly by City

Certified Full Capture Systems Database

Col. 1	Col. 2		Col. 3	Col. 4	Col. 5	Col. 6	Col. 7		Col. 8	Col. 9	Col. 10	Col. 11
Certified CD(s) Installed	FCD Location		Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID. Served by FCD	CB No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
NONE	NW	MYRTLE	70TH	CITY	CITY		1867	162	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	MYRTLE	70TH	CITY	CITY	8/26/2010	1867	163	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NE	70TH	MYRTLE	CITY	CITY	8/27/2010	1867	164	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SE	70TH	MYRTLE	CITY	CITY	8/27/2010	1867	165	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	70TH	ORANGE	CITY	CITY	7/30/2010	1867	166	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	NW	70TH	ORANGE	CITY	CITY	7/30/2010	1867	167	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	NW	ORANGE	70TH	CITY	CITY	7/30/2010	1867	168	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	W CURB	GARFIELD	N OF 69TH	CITY	CITY	7/30/2010	1867	173	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	E CURB	GARFIELD	N OF 69TH	CITY	CITY	7/30/2010	1867	174	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	GARFIELD	69TH	CITY	CITY	7/30/2010	1868	001	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS & ARS	W CURB	GARFIELD	BETWEEN 68TH/69TH	CITY	CITY	7/30/2010 10/27/2011	1868	002	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	E	ORANGE	INEZ	CITY	CITY	7/30/2010	1868	005	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	ORANGE	INEZ	CITY	CITY	7/30/2010	1868	006	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	SW	68TH	LIME	CITY	CITY	7/29/2010	1868	007	CURB OPENING	COUNTY	COUNTY	Quarterly by City
CPS	N	68TH	LIME	CITY	CITY	7/29/2010	1868	008	CURB OPENING	COUNTY	COUNTY	Quarterly by City