

City of Arcadia

Alternate Compliance Plan

December 2017

Los Angeles River Watershed Trash TMDL

Prepared Pursuant to Resolution No. R15-006

Prepared By:



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AND ASSOCIATES, INC.



Executive Summary

This Alternate Compliance Plan has been prepared with specific application to the California Regional Board, Los Angeles Region Resolution R15-006, commonly referred to as the Los Angeles River Trash TMDL Amendment.

As documented in reports annually submitted to the Regional Board, Arcadia has demonstrated continued compliance with the Trash TMDL (R07-12) since the original effective date in 2008. The Trash TMDL Amendment, adopted in 2015, provides Los Angeles River MS4 permittees with several options to demonstrate compliance with the final WLA. As described in this Report, Arcadia has achieved compliance for the reporting year in accordance with the Amendment.

Background

The Los Angeles Regional Water Quality Control Board (RWQCB) approved the Trash TMDL for the Los Angeles River watershed on September 19, 2001. This TMDL was subsequently rescinded on July 17, 2006. On September 3, 2008 the current Trash TMDL (Resolution 07-012) became effective. This TMDL established a nine-year schedule for reducing trash discharges from sources along the Los Angeles River to meet the numeric target of zero discharged by September 30, 2016.

An Amendment to the Trash TMDL (Resolution No. 15-006) was approved by the Regional Board on June 11, 2016, and was subsequently approved by the State Water Resources Control Board on November 17, 2015, and the USEPA on June 30, 2016. This Amendment provides five approaches for permittees subject to this TMDL to demonstrate compliance with the final zero trash waste load allocation (WLA). These approaches are:

1. 100% of all conveyances discharging to the Los Angeles River are retrofitted with trash “full capture” systems (FCSs).
2. 98% of all catch basins within the agency’s jurisdictional land area in the watershed are retrofitted with FCSs¹. This approach requires a report on the technical infeasibility for the remaining catch basins and a report documenting partial capture devices and institutional control effectiveness.
3. 99% or greater reduction of the baseline load attained through a combination of FCS, partial capture devices, and institutional controls, calculated using a mass balance approach based on a trash daily generation rate (DGR) study. This approach requires all FCSs, partial capture devices, and institutional controls be properly sized, operated, and maintained. Continued DGR studies are also required for compliance reassessment.
4. 97% or greater reduction of the baseline load for two or more consecutive years, attained through a combination of FCS, partial capture devices, and institutional controls, and calculated using a mass balance approach based on a trash daily generation rate (DGR) study. This approach requires an evaluation of institutional control effectiveness and any potential enhancements, and a demonstration that opportunities to implement partial capture devices have been fully exploited. Continued DGR studies are also required for compliance reassessment.
5. A scientifically based alternative as approved by the Regional Board.

¹ 98% of all catch basins within the agency’s jurisdictional land area in the watershed are retrofitted with FCS or, alternatively, 98% of the jurisdiction’s drainage area is addressed by FCS and at least 97% of the catch basins (or, alternatively, drainage area) within the agency’s jurisdiction in the subwatershed (the smaller of the HUC-12 equivalent area or tributary subwatershed) are retrofitted with FCS.

Alternative approaches #2 through #5 also require responsible jurisdictions to 1) demonstrate that existing studies of institutional controls and partial capture devices are representative and transferable to the implementing area, 2) provide a schedule for periodic effectiveness demonstrations and evaluations and 3) properly size, operate, and maintain FCSs and partial capture devices consistent with sizing, operation, and maintenance schedules used to determine their effectiveness.

Compliance Approach

The completion of the City of Arcadia's 2017 DGR study has demonstrated the City is in compliance with Approach #3. For the most recent reporting year of 2016-2017 Arcadia reported a 99.95% compliance level. For 2015-2016 Arcadia reported a 99.93% compliance level.

Requirements for Compliance Approach #3 and City Compliance Status

Pursuant to the Amendment to the Los Angeles River Watershed Trash TMDL, responsible jurisdictions may achieve compliance with the final WLA when they:

"...employ institutional controls or a combination of full capture systems, partial capture systems, and institutional controls [which result in a] reduction of trash from the jurisdiction's baseline load...between 99% and 100% as calculated using a mass balance approach, and the [trash capture] devices are properly sized, operated, and maintained."

The City's WLA reduction is between 99% and 100%

City Status: For the most recent reporting year of 2016-2017 Arcadia reported a 99.95% compliance level. This was verified with the Daily Generation Rate study during the summer of 2017, explained in Attachment A.²

Summary of Full Capture Systems, Partial Capture Systems, and Institutional Controls

The results obtained during the 2017 DGR study indicated an effective implementation of institutional control measures such as anti-littering statutes, enhanced street sweeping, catch basin cleaning, trash/recycling pick-up, public outreach, and community clean-up programs. Additionally, the newly adopted Los Angeles County Bag Ban coincides with the City's Ordinance that prohibits single-use plastic bags. Details on this measure, as well as a quantification of its potential benefits, is included in Attachment C. Summaries of all remaining implemented Institutional Controls are also included in Attachment B³. The City of Arcadia expects a similar reduction through the continued implementation of its plastic bag ban.

The City has installed 234 full-capture screens in city-owned catch basins large enough to accommodate them. The City has also installed ten (10) ARS partial capture systems which are assigned 86% efficiency in catch basins⁴. Together, these capture devices account for approximately 91.55% of the city-owned catch basins located in Arcadia.

² Attachment A City of Arcadia, Daily Generation Rate Study 2017

³ Attachment B City of Arcadia, Currently Implemented Institutional Controls

⁴ Effectiveness Rate based on City of Los Angeles Technical Report: June 2006 Assessment of Catch Basin Opening Screen Covers

Characterization

Daily Generation Rate

The Daily Generation Rate (DGR) method is identified in the 2007 LAR Trash TMDL as a method for measuring the effectiveness of the institutional control measures. This method uses a mass balance approach based on a daily trash generation rate for representative drainage areas in the watershed. The DGR study is broken down into two phases, which consists of: 1) physically collecting the trash, and 2) quantifying the collected materials. Collection routes are selected in different designated land-use areas. Representative study areas are selected to include five priority land-use types:

- Commercial
- High/Low Density Residential
- Industrial
- Public Facilities and Educational Institutions
- Open Space and Recreation

At the conclusion of each route, the trash collected from the streets in the commercial, residential, industrial, public facilities/ educational institutions, and open space/recreation areas is delivered directly to a City facility where the trash is quantified per route.

Quantification

The collected trash from each individual land-use area is quantified and classified by weighing 5-gallon buckets and sorting the contents into five categories, according to material type.

- Plastic: bags, bottles, jugs, Styrofoam
- Paper: bags, newspaper, scraps, wrappers
- Glass: bottles, scraps, broken windows
- Metal: aluminum, steel, copper
- Other: cigarette butts, food, cloth, miscellaneous

The visually estimated composition of the trash loads was averaged for each land-use and is summarized in Table 1.

Table 1: Trash Collected by Material Type

Land Usage	Plastic	Paper	Glass	Metal	Other
Commercial	48%	47%	0%	1%	4%
Residential	36%	55%	0%	5%	4%
Industrial	42%	43%	1%	5%	9%
Public Facilities/Educational Institutions	39%	38%	0%	6%	17%
Open Space/ Recreation	36%	53%	0%	8%	3%

An estimate of the trash produced for each land-use area was calculated by taking the amount of trash collected and extrapolating that value to the remaining number of curb miles for that land-use area. Table 2 lists the DGRs by land use.

Table 2: Daily Generation Rates by Land Use

Land Usage	DGR per Curb Mile (lbs/mile)
Commercial	0.1667
Residential	0.0155
Industrial	0.5169
Public Facilities/ Educational Institutions	0.2338
Open Space/ Recreation	0.1106

The 2017 DGR study showed an annual trash discharge into the City’s storm drain system of 528 lbs. This equates to a 99.43% reduction of trash from the City’s baseline WLA. The city will continue to maintain structural and institutional controls and anticipates a compliance level above 99% in the future. Together, the mass balance approach coupled with structural catch basin compliance and institutional control measures demonstrate that the City has effectively met the compliance target of the Los Angeles River Trash TMDL.

Continued Compliance

Following the recommendation in Section 2.2 of the June 15, 2015, LARWQCB Staff Report, *Reconsideration of Certain Technical Matters of the Trash TMDLs for the Los Angeles River Watershed and the Ballona Creek Watershed*, the City requests to “reduce the frequency of DGR calculations from annually to once every five years as long as there are no reductions in implementation of partial capture devices and institutional controls over the time period and no significant changes in land use that would render the last DGR calculation unrepresentative of current land uses and trash controls within the agency’s jurisdiction.”

The 2017 DGR Study coupled with structural catch basin compliance and institutional controls demonstrates that the City of Arcadia has met the compliance target of the Los Angeles River Final Trash TMDL. The City’s continued effort coupled with the current compliance level effectively meets the 100% load reduction.

CITY OF ARCADIA

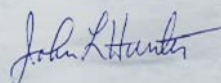
Attachment A: Daily Generation Rate Study 2017

CITY OF ARCADIA

DAILY GENERATION RATE STUDY

December 15, 2017

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CITY OF ARCADIA

DAILY GENERATION RATE STUDY

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DAILY GENERATION RATE STUDY

Executive Summary

This report summarizes the activities and findings of the Daily Generation Rate (DGR) study, which was conducted in the City of Arcadia (City) during the summer of 2017. The calculated DGR is used to assess the City's efforts to comply with the Trash Total Maximum Daily Load (TMDL) for the Los Angeles River. The TMDL requires that by September 30, 2016, all municipal permittees reduce trash discharges to the Los Angeles River by 100% from their Baseline Waste Load Allocation (BWLA). However, the 2015 Los Angeles River Trash TMDL Amendment provides permittees several other options to demonstrate compliance. The City's strategy for compliance is based on Approach #3, which includes all of the following—full exploitation of the capture systems, evaluation of institutional controls, and a waste load allocation (WLA) reduction greater than 99%. The results of the study discussed herein indicate that the City is in compliance with the Trash TMDL for this year.

TMDL Background

The Los Angeles River Trash TMDL was adopted by the Regional Water Quality Control Board (RWQCB) in August 2007. Subsequently, in December 2009, the RWQCB voted to incorporate the Los Angeles River Trash TMDL into the Municipal Stormwater Permit to make the numerical trash limits enforceable. The Trash TMDL established a nine-year schedule for reducing trash discharges from sources along the Los Angeles River to meet the numeric target of zero trash in the water. The baseline Waste Load Allocation (WLA) or starting point for reductions, assigned to the City by the Trash TMDL is 93,036 pounds—by September 30, 2016, the TMDL required that all Permittees reduce their Waste Load Allocation (WLA) by 100%. However, an Amendment to the Trash TMDL (Resolution No. 15-006), approved by the Regional Board on June 11, 2016, provides alternate approaches to demonstrate compliance.

Daily Generation Rate

The DGR Study consisted of two phases: first the field collection of trash, and then its quantification. Collection routes were selected in different designated land-use areas. Representative study areas were selected to include five priority land-use types:

- Commercial
- High/Low Density Residential
- Industrial
- Public Facilities and Educational Institutions
- Open Space and Recreation

Field Collection

Once the land-use areas were designated, a manual pick-up was performed. To facilitate this process, a pick-up reaching tool was used. Pieces of trash $\frac{1}{4}$ of an inch and greater were collected, anything smaller than that is not subject to the Trash TMDL. Catch basins along the study routes were covered to prevent trash from being swept into them. At the conclusion of each collection activity, the trash collected from the different land use areas was delivered to a City facility where the trash was quantified



Picture 1: Trash being collected

per route. The collected street litter was placed in separate piles to avoid mixing. Precise curb miles and collection routes are located on pages 11-13 and are summarized in the following table.

Table 1: Land Usage Miles

Land Usage	Estimated Total Curb Miles	Designated Curb Miles	Field Collection Dates
<i>Commercial</i>	19.8	2	July 31 st –Aug. 28 th
<i>Residential</i>	251.8	9	Aug. 2 nd –Aug. 30 th
<i>Industrial</i>	6.5	1	Aug. 2 nd –Aug. 30 th
<i>Public Facilities/ Education Institutions</i>	7.1	1	July 31 st –Aug. 28 th
<i>Open Space/ Recreation</i>	6.6	1	July 31 st –Aug. 28 th

Quantification

This phase took place at a City facility and consisted of evaluating and weighing the trash. The loads of trash were transported from the designated routes and separated into the individual land-use areas.

This study used the definition of litter as defined by the California Government Code Section 68055.1(g):

“Litter means 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 water of the state, but not including the properly discarded waste of the primary processing of agriculture, mining, logging, sawmilling or manufacturing.”

Since trash was collected using a manual pick-up procedure, the discerning field staff gathered trash as defined above, which avoided the need to sort and separate green waste from anthropogenic trash. The collected trash from each individual land-use area was then manually quantified and classified using the following procedures:

1. Gardening gloves were utilized to grab the trash, from only one specific load, and placed onto 5-gallon buckets.
2. The bucket was suspended from a hand-held device that measured the total weight. The weight of the bucket was subtracted.
3. The trash was sorted into five categories, according to material content/type, and approximately quantified (by percent).



Picture 2: Weighing the trash.

Standard safety precautions were followed during the trash weighing process. This process was repeated for the remainder of the loads of trash. Trash collected from each area was quantified separately. All piles were kept separated as a quality control measure to avoid combining the trash from the five different areas.

Measuring

A digital scale was used to weigh the trash, and a 5-gallon bucket was used to estimate an approximate volume of trash. Each full bucket of anthropogenic trash was analyzed separately and was sorted and characterized by the different type of constituents.

Results

Data collected from the above process is summarized in the following table:

Table 2: Trash Collected per Land Usage Area

Land Usage	Designated Curb Miles	Trash (lbs)	Days Since Last Street Sweeping
<i>Commercial</i>	2	10.00	6
<i>Residential</i>	9	4.19	6
<i>Industrial</i>	1	15.50	6
<i>Public Facilities/Educational Institutions</i>	1	7.00	6
<i>Open Space/ Recreation</i>	1	3.31	6
Totals	14	40.0	

The characterization of trash was done by separating it according to the following constituents:

- Plastic: bags, bottles, jugs, Styrofoam
- Paper: bags, newspaper, scraps, wrappers
- Glass: bottles, scraps, broken windows
- Metal: aluminum, steel, copper
- Other: cigarette butts, food, cloth, miscellaneous

The visually estimated composition of the trash loads was averaged for each land-use and is summarized in the following table:

Table 3: Composition

Land Usage	Plastic	Paper	Glass	Metal	Other
<i>Commercial</i>	48%	47%	0%	1%	4%
<i>Residential</i>	36%	55%	0%	5%	4%
<i>Industrial</i>	42%	43%	1%	5%	9%
<i>Public Facilities/Educational Institutions</i>	39%	38%	0%	6%	17%
<i>Open Space/ Recreation</i>	36%	53%	1%	8%	3%

DGR per Land-Use Area

An estimate of the trash produced for each land-use area was calculated by taking the amount of trash collected for the study and extrapolating that value to the remaining number of curb miles for that land-use area. The DGR was then determined by converting the trash per week (dependent on street sweeper’s schedule) to trash collected per day. The final DGR value represents the amount of the trash generated for the entire city per day.

Trash Discharge Levels

The annual amount of trash that is being discharged into the storm drain system on a yearly basis was determined using the DGR values and the number of rain events during the year.

Table 4: DGR

Land Usage	DGR (lbs/day)	DGR / Curb Mile (lbs./mi)
Commercial	3.30	0.1667
Residential	3.91	0.0155
Industrial	3.36	0.5169
Public Facilities/ Educational	1.66	0.2338
Open Space/ Recreation	0.73	0.1106
Total	12.95	

The stormwater trash discharge for a given rain event was calculated by multiplying the number of days since the last street sweeping by the DGR. The average number days between a rain event and last street sweeping was estimated to be 2.3 for all areas since street sweeping takes place weekly. The estimated weight of trash draining to catch basins during rain events was obtained by multiplying the average number of days between a rain event and the last street sweeping by the DGR values. The annual weight of trash draining to the catch basins was estimated by multiplying calculated values by the total number of rain occurrences during the 2016-2017 season (18 rain events recorded⁴). These annual values were the estimated amount of trash being discharged into the

storm drain system but does not account for the total amount of trash that was removed by the City and/or the County of Los Angeles Flood Control District during catch basin cleanouts. The final discharge was considered to be the worst-case scenario for the maximum annual weight of trash draining to catch basins from rain events.

Table 5 shows the calculated amount of trash washed into the storm drain system in the 2016-2017 season.

Table 5: Stormwater Trash Discharge

Land Usage	Total Discharge (lbs.)
Commercial	135
Residential	159
Industrial	137
Public Facilities/Educational Institutions	68
Open Space/ Recreation	29
Total	528

Conclusion

The city's estimated Total Storm Year Trash Discharge was 528 pounds. The baseline waste load allocation for Arcadia is 93,036 pounds, so this accounts for a WLA reduction of 99.43%. Since the City's WLA reduction for the year is greater than 99%, Arcadia fulfills Criterion 1 of Compliance Approach #3.

⁴Value obtained from the National Oceanic and Atmospheric Administration (NOAA) National Weather Service. Only rain events greater than 0.25 inch were considered

DGR Calculations

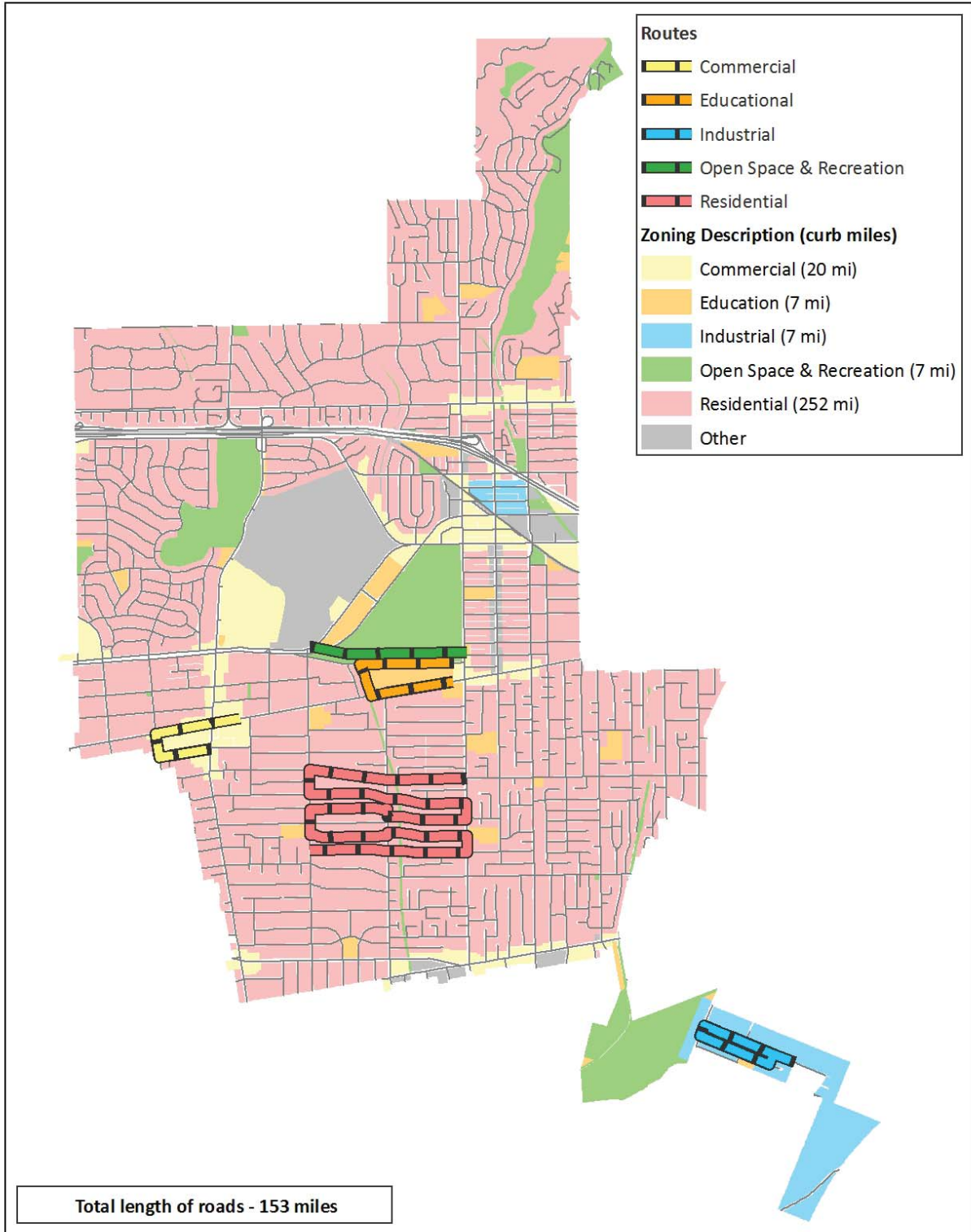
Open Space/Recreation Area

$W_0 = 3.31$ lbs.	Weight of trash collected for open space/rec area during 30-day study
$C_0 = 1$ mi	Total open space/rec area curb miles per round (5 rounds total)
$T_0 =$ Total open space/rec curb miles	6.6 mi
$L_s =$ Number of days of study	30 days
Weight (lbs.) per day =	$[(W_0 / L_s) / C_0] * T_0$ $[(3.31/30)/1]*6.6$
DGR =	0.73 lbs./day

Final Open Space/Recreation DGR= 0.73 lbs./ day

AREA OF STUDY

City of Arcadia - DGR Zoning

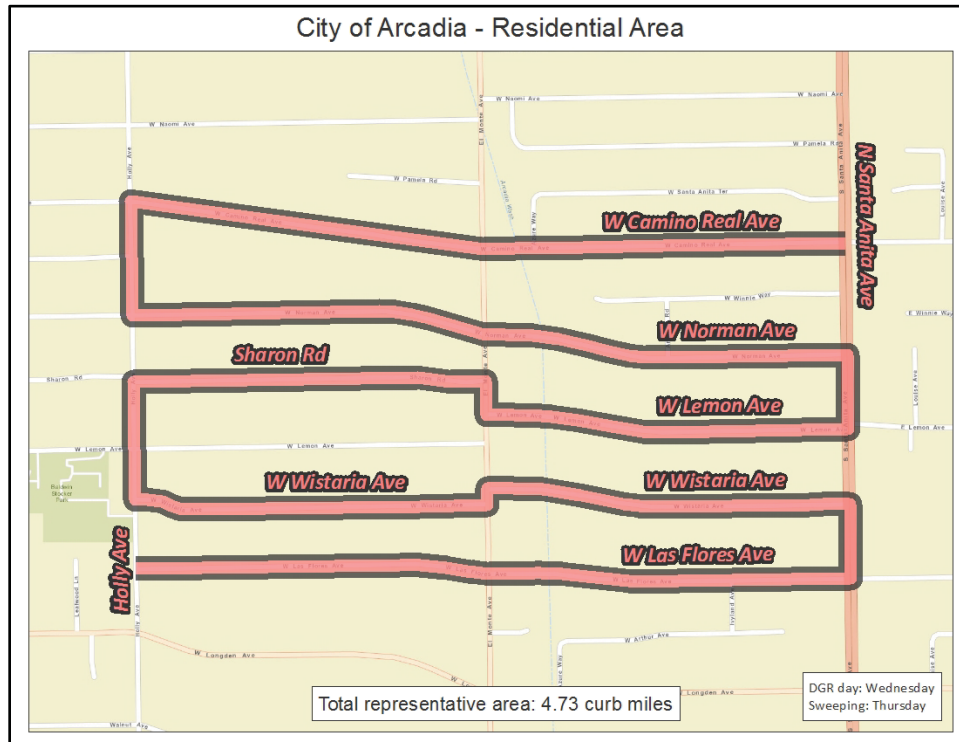


COMMERCIAL AREA ROUTE



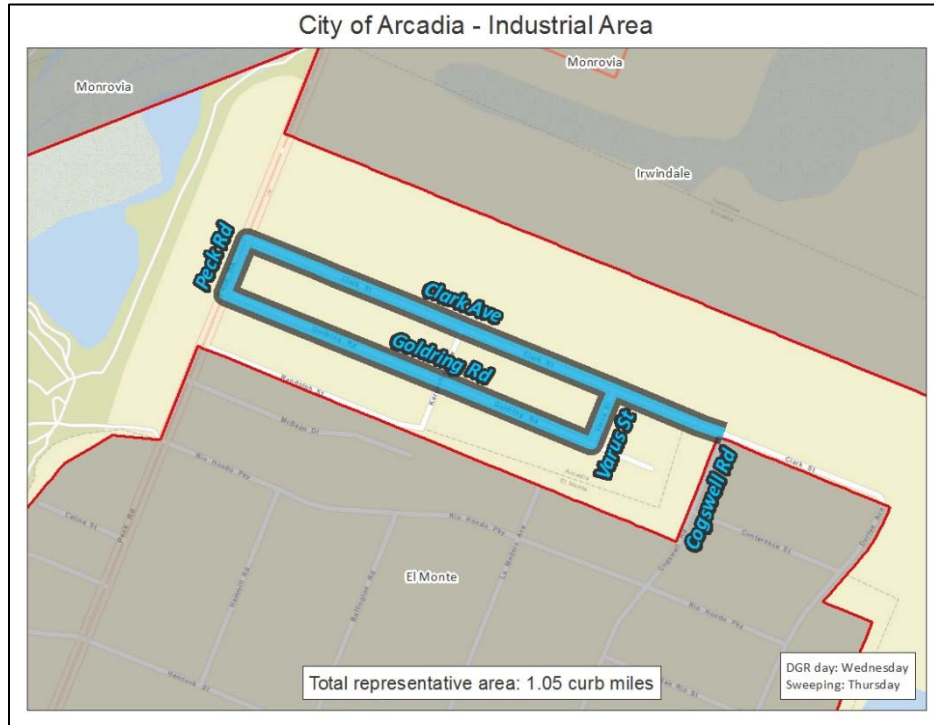
Study Mileage: 2.0 curb miles (i.e. survey both sides of street)

RESIDENTIAL AREA ROUTE



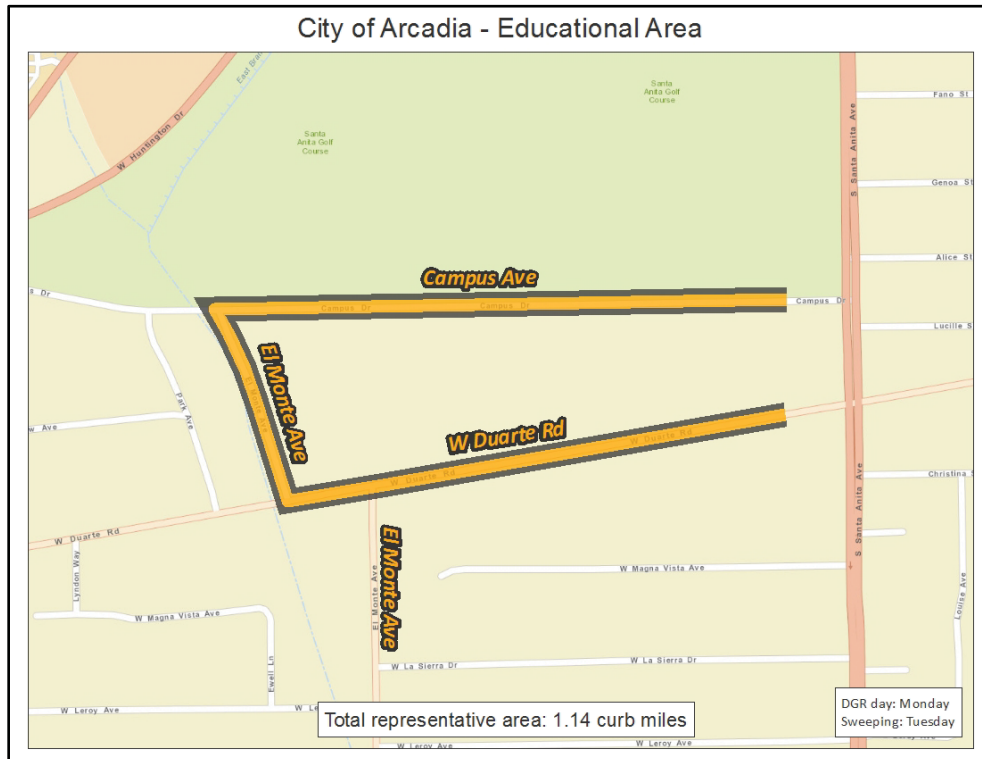
Study Mileage: 9.0 curb miles (i.e. survey both sides of street)

INDUSTRIAL AREA ROUTE



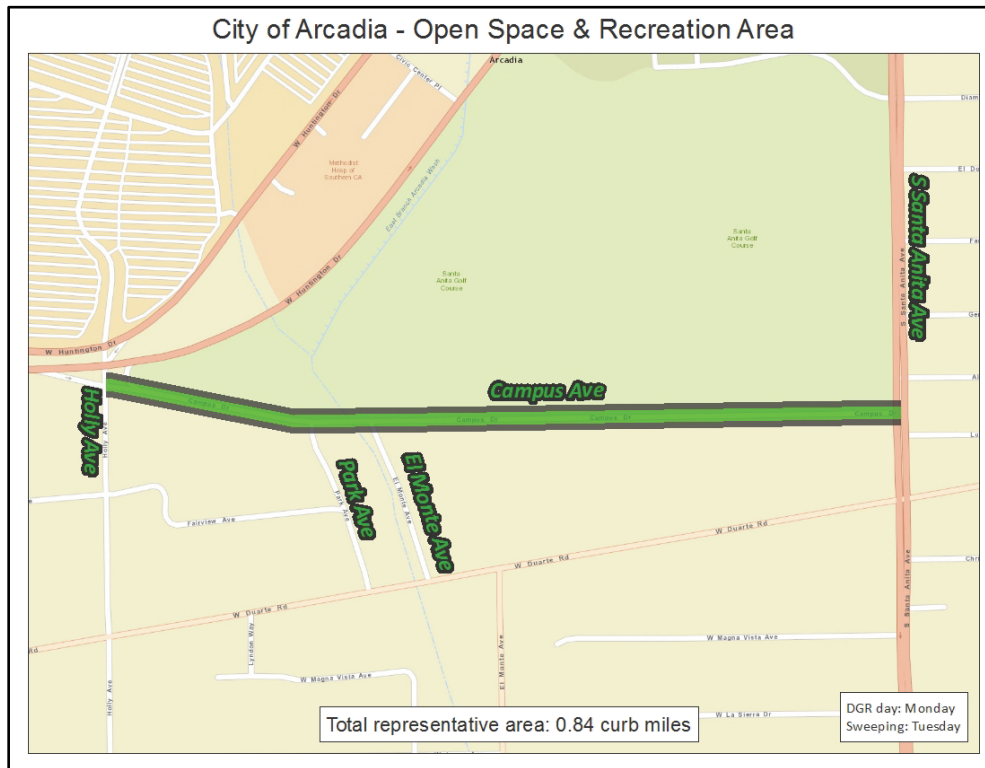
Study Mileage: 1.0 curb miles (i.e. survey one side of street)

PUBLIC/ EDUCATIONAL AREA ROUTE



Study Mileage: 1.0 curb miles (i.e. survey one side of street)

OPEN SPACE/ RECREATION AREA ROUTE



Study Mileage: 1.0 curb miles (i.e. survey 0.84 curb miles of one side of street, plus 0.16 curb miles of other side of street)

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Attachment B: Currently Implemented Institutional Controls

Attachment B- Currently Implemented Institutional Controls

Currently Implemented Institutional Controls

Compliance Approach #3 requires “institutional controls shall be deemed in compliance with the final WLA when the reduction of trash from the jurisdiction’s baseline load is between 99% and 100%”. Listed below is an inventory of currently implemented institutional controls. The effectiveness of these institutional controls is demonstrated through the City’s 2017 Daily Generation Rate Study.

Proposed Plastic Bag Ban Ordinance

The City of Arcadia prohibits single-use plastic bags. The City hosted a Plastic Bag Ban Workshop on Wednesday, March 9, 2016 at the Council Chambers, where the Public Works Services Department provided details of the program and solicited input on the proposed Plastic Bag Ban Ordinance. Several more workshops are proposed to educate the public on the ban.

There is quantitative evidence of the effectiveness of these bans on decreasing trash discharge to the storm drain system. The City of Los Angeles’ “Quantification Study of Institutional Measures for Trash TMDL Compliance 2012-2013” is an assessment of the City of Los Angeles’ institutional measures and their effectiveness. The study discusses the decrease in the percentage of plastics during trash clean-up events since 2009. The ban on plastic bags is believed to have had a substantial impact; “During Year 1 of this Study (summer 2012), over 1,700 single use plastic grocery bags were collected; however, in Year 2 (summer 2013), just over 850 plastic bags were found within the Study areas, representing a 51 percent reduction in number of items. This number is expected to continue to drop as the City complies with the new ordinance.”

The City of Arcadia expects a similar reduction through the continued implementation of its plastic bag ban.

Sweeping

The City of Arcadia sweeps the entire city each week, except private streets and streets without a curb and gutter.

Public Outreach

The City provides and produces stormwater pollution prevention outreach materials addressing trash pollution through the following: print and social media (brochures, newsletters, bill inserts, and City website), environmental booths during City-sponsored events, and annual business and K-12 school outreach campaigns. During outreach events, city staff demonstrates an interactive enviroscape display that allows residents to see how pollutants such as trash, oils, and pet waste drain to our waterways. Stormwater materials are also distributed annually to local businesses and to all K-12 schools during Earth Day.

Residential Trash Collection

The City of Arcadia contracts with Waste Management Inc. for residential and multi-family trash and recycling collection services. Residential trash is collected every Wednesday. Additionally, large bins are available for residents to help dispose of waste from home remodeling, major landscaping, roofing, etc.

Attachment B- Currently Implemented Institutional Controls

[Household Generated Special Materials Program](#)

Waste Management Inc. offers residents of Arcadia a home pick-up collection service for household special items such as used motor oil, old cans of paint, and electronic waste. Through this program, residents can schedule a collection of these materials. Residents are allowed up to 3 collections per year.

[Bulky Item Program](#)

Waste Management Inc. offers four free bulky item pickups per calendar year for each single-family residential account. Multi-family residents are allowed two free bulky item pickups per calendar year for each multi-family residential account.

[Commercial Refuse Collection](#)

The City has three permitted commercial haulers to assist with refuse and recycling needs: Republic Services, Waste Management Inc., and Valley Vista Services. Commercial business refuse collection is provided separately from residential refuse collection.

[Used Motor Oil Recycling](#)

The City of Arcadia has five (5) Used Oil Collection Centers located citywide. In addition, the City provides free used oil containers, funnels and oil change mats to all Arcadia residents at our collection centers and the Public Works Services Department, located at 11800 Goldring Rd, Arcadia.

Institutional Controls
Total Storm Year Trash Discharge

Part 7.1.C(1)(b)(2)
L.A. County MS4 Permit
City of Arcadia
Annual Report (Dec-2017)

Date: 12/15/2017
Reporting Period: 2016-2017
Prepared by JLHA

Rainfall Station		Arcadia 2.1 NNE, Pasadena 1.8 E					
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 Catch Basins	Storm Event Trash Discharge	Comments
12.9	11/16/16	11/21/16	0.82	4.5	0	58.3	Like most cities, the entire City of Arcadia is not swept in one day. Approximately equal parts of the City are swept weekly, Monday through Friday. Thus during any given rain event, different parts of the City were swept between 1 to 7 days previously. Rainfall data was collected from the closest rainfall station. In cases where rainfall station data was missing for a particular storm, the next closest rainfall station was used. Using the DGR of 12.9 lbs, and accounting for the week-long process to clean all areas of the City, the storm event trash discharge equates to an approximate discharge of 29.4 lbs per rain event. This accounts for a total storm year trash discharge of 528 lbs.
12.9	11/22/16	11/27/16	0.31	4.4	0	57.0	
12.9	12/13/16	12/16/16	1.95	2.5	0	32.4	
12.9	01/02/17	01/05/17	0.59	3	0	38.8	
12.9	01/04/17	01/09/17	0.80	4.5	0	58.3	
12.9	01/09/17	01/10/17	0.87	0.9	0	11.7	
12.9	01/10/17	01/11/17	2.12	0.9	0	11.7	
12.9	01/11/17	01/12/17	1.32	0.9	0	11.7	
12.9	01/12/17	01/13/17	0.82	0.9	0	11.7	
12.9	01/16/17	01/19/17	0.83	2.8	0	36.3	
12.9	01/19/17	01/20/17	0.54	0.9	0	11.7	
12.9	01/20/17	01/21/17	1.53	1	0	12.9	
12.9	01/21/17	01/23/17	2.88	1.7	0	22.0	
12.9	01/23/17	01/24/17	0.54	0.9	0	11.7	
12.9	02/01/17	02/06/17	0.52	4.5	0	58.3	
12.9	02/22/17	02/26/17	0.31	4	0	51.8	
12.9	02/26/17	02/27/17	0.81	0.9	0	11.7	
12.9	03/20/17	3/22/17	0.26	1.6	0	20.7	
Total Storm Year Trash Discharge						528	
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						
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],						
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	Col. 11
Land Use Category	Total Area within Jurisdiction	Representative Area 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
Commercial	19.8	2								
			07/25/17	7/31/17	6	3.31	0	3.31		Commercial areas swept weekly. DGR sampling collected by hand (Monday), and prior to street sweeping activities (Tuesday).
			08/01/17	8/7/17	6	3.50	0	3.50		
			08/08/17	8/14/17	6	0.94	0	0.94		
			08/15/17	8/21/17	6	0.94	0	0.94		
			08/22/17	8/28/17	6	1.31	0	1.31		
		Total Days:			30			3.30		
High/Low Density Residential	251.8	9								
			07/27/17	8/2/17	6	0.25	0	0.25		Residential area swept weekly. DGR sampling collected by hand (Wednesday), and prior to street sweeping activities (Thursday).
			08/03/17	8/9/17	6	0.31	0	0.31		
			08/10/17	8/16/17	6	1.31	0	1.31		
			08/17/17	8/23/17	6	2.06	0	2.06		
			08/24/17	8/30/17	6	0.25	0	0.25		
		Total Days:			30					
Industrial	6.5	1								
			07/27/17	8/2/17	6	2.63	0	2.63		Industrial area swept weekly. DGR sampling collected by hand (Wednesday), and prior to street sweeping activities (Thursday).
			08/03/17	8/9/17	6	3.44	0	3.44		
			08/10/17	8/16/17	6	2.69	0	2.69		
			08/17/17	8/23/17	6	3.19	0	3.19		
			08/24/17	8/30/17	6	3.56	0	3.56		
		Total Days:			30			3.36		
Public/Educational Facilities	7.1	1								
			07/25/17	7/31/17	6	0.44	0	0.44		Public & Educational facility areas swept weekly. DGR sampling collected by hand (Monday), and prior to street sweeping activities (Tuesday).
			08/01/17	8/7/17	6	1.00	0	1.00		
			08/08/17	8/14/17	6	1.81	0	1.81		
			08/15/17	8/21/17	6	2.38	0	2.38		
			08/22/17	8/28/17	6	1.38	0	1.38		
		Total Days:			30			1.66		
Open Space/ Rec	6.6	1								
			07/25/17	7/31/17	6	0.31	0	0.31		Open Space & Recreational areas swept weekly. DGR sampling collected by hand (Monday), and prior to street sweeping activities (Tuesday).
			08/01/17	8/7/17	6	0.88	0	0.88		
			08/08/17	8/14/17	6	0.38	0	0.38		
			08/15/17	8/21/17	6	0.69	0	0.69		
			08/22/17	8/28/17	6	1.06	0	1.06		
		Total Days:			30			0.73		
Total Area	291.8	14						Total Trash (lbs)	40.0	
								DGR (lbs/day)	12.95	

* Total collection period must equal 30 days for each representative land use area.
 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.
 Total area of solid 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.
 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.
 Date of DGR Sampling - Date of DGR sampling.
 Length of Collection Period - The DGR collection period must be 30 days. List for each representative land use area.
 Trash collection from representative area through street sweeping or other method, lb. or gal.
 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.
 Where CBS are closed off such that no trash can enter them for the purpose of DGR sampling, the CBS should be noted in the comments.
 Total amount of trash generated in representative area (sum of Col. 7 and Col. 8), lb. or gal.
 Total Trash Generated within Representative Area (estimated in 30 day period)
 Provide comments, if necessary.
 Note: Sampling must be conducted during any 30-day period, starting June 22nd through September 22nd of each year.

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10
Reporting Period	Total Area	Total Area served by FCDs	Percentage of Area served by FCDs	Total # City-Owned CBs	Total # CBs served by FCDs and PCDs	Percentage of CBs served by FCDs and PCDs	Required Trash Abatement (%)	Compliance	Comments
31-Oct-15				261	230 FCD (88%) 10 PCD (3%)	91%	96.7%	Yes	FCD CB locations address 100% of Trash, capturing 88% (=1.00x0.88) PCD CB locations address 86% of Trash, capturing 3% (=0.86x0.04)
31-Oct-16				265	234 FCD (88%) 10 PCD (3%)	91.55%	100%	Yes	FCD CB locations address 100% of Trash, capturing 88% (=1.00x0.88) PCD CB locations address 86% of Trash, capturing 3% (=0.86x0.04)
31-Oct-17				265	234 FCD (88%) 10 PCD (3%)	91.55%	100%	Yes	A total of 234 CPS full capture systems are throughout the City. The City has also installed ten ARS partial capture systems which are assigned 86 percent efficient in catch basins. Together, these capture devices account for approximately 91.55 percent of the city-owned catch basins located in Arcadia (88.3% from FCD and 3.25% from PCD).

Notations:

Form Either report compliance using land area served by FCDs (Columns 2 through 4) or number of catchbasins served by FCDs (Columns 5 through 7).

Continue to add to this form for each annual reporting period

Column 1: Reporting Period: Part 7.1.(C)(1) of Order No. 01-182 as amended by Order No. R4-2009-0130

Column 2: Total land area of jurisdiction (square kilometers)

Column 3: Total land area of jurisdiction served by certified full capture devices (square kilometers)

Column 4: Percentage of total land area of jurisdiction served by FCDs (Col. 4/Col. 3)

Column 5: Total number of catchbasins (CBs) within jurisdiction

Column 6: Total number of catchbasins (CBs) served by FCDs within jurisdiction

Column 7: Percentage of CBs served by FCDs within jurisdiction (Col. 6/Col. 5)

Column 8: Required Trash Abatement: Part 7.1, Appendix 7-1 of Order No. 01-182 as amended by Order No. R4-2009-0130

Column 9: Compliance: Yes, if Col. 4 or Col. 7 is greater than Col. 8; No, if Col. 4 or Col. 7 is less than Col. 8

Column 10: Provide comments, if necessary

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Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6		Col. 7	Col. 8	Col. 9	Col. 10
					Structural Control Measure					
Reporting Period	Total Trash Discharged (lbs.)	Effluent Limitation	Equivalent Compliance	Total # CBs served by FCDs and PCDs	Percentage of CBs served by FCDs / PCDs	Required Trash Abatement (%)	Total Combined Compliance	Compliance Met	Comments	
31-10-14										
31-10-15										
31-10-16	765	0	99.19%	234 FCD (88%) 10 PCD (3%)	91.55%	100%	99.93%	Yes		
31-10-17	528	0	99.43%	234 FCD (88%) 10 PCD (3%)	91.55%	100%	99.95%	Yes	A total of 234 CPS full capture systems are throughout the City. The City has also installed ten ARS partial capture systems which are assigned 86 percent efficient in catch basins. Together, these capture devices account for approximately 91.55 percent of the city-owned catch basins located in Arcadia (88.3% from FCD and 3.25% from PCD).	
Notations:										
Form										
Structural Control Measure: Either 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									
Column 3:	Alternative approaches per Part 7.1.(B)(1)(b)(3) must be approved in advance by the Executive Officer									
Column 4:	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 5:	Compliance = 1-(Col. 2 / Baseline Waste Load Allocation)									
Column 6:	Total number of catchbasins, total number of (CBs) served by FCD/PCDs within jurisdiction									
Column 7:	Percentage of CBs served by FCD/PCDs within jurisdiction									
Column 8:	Required Trash Abatement: Part 7.1, Appendix 7-1 of Order No. 01-182 as amended by Order No. R4-2009-0130									
Column 9:	Total Combined Compliance = (Col. 6) + (1.0-Col.6)*(Col.4)									
Column 10:	FCD Compliance: Yes, if Col. 8 is greater than Col. 7									
Column 11:	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 FCD(s) Installed	FCD Location	Nearest Cross Street	FCD Owner	FCD Maintained By	FCD Installation Date	CB ID No. Served by FCD	CB Type	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
CPS	1410 Greenoaks Drive		CITY	CITY		1		CITY	CITY	Annually
CPS	1014 Orangegrove		CITY	CITY		2		CITY	CITY	Annually
CPS	1055 W. Foothill		CITY	CITY		12		CITY	CITY	Annually
CPS	1115 W. Foothill		CITY	CITY		1		CITY	CITY	Annually
CPS	Eastbound Foothill east of Heritage Oaks (98' East in Right of Way)		CITY	CITY		4		CITY	CITY	Annually
CPS	Foothill northside across from Heritage Oaks		CITY	CITY		6		CITY	CITY	Annually
CPS	1036 Rafael Dr.		CITY	CITY		20		CITY	CITY	Annually
CPS	1030 Heritage Oaks Dr.		CITY	CITY		21		CITY	CITY	Annually
CPS	1024 Whispering Oaks Dr.		CITY	CITY		22		CITY	CITY	Annually
CPS	1024 El Caballo Dr.		CITY	CITY		23		CITY	CITY	Annually
CPS	1024 Loma Verde Dr.		CITY	CITY		24		CITY	CITY	Annually
CPS	1016 Don Ricardo Dr.		CITY	CITY		25		CITY	CITY	Annually
CPS	1023 Don Pablo Dr.		CITY	CITY		26		CITY	CITY	Annually
CPS	830 Singingwood		CITY	CITY		4		CITY	CITY	Annually
CPS	841 Singingwood Dr.		CITY	CITY		5		CITY	CITY	Annually
CPS	800 Hampton at the Arcadia Wash		CITY	CITY		6		CITY	CITY	Annually
CPS	827 Hampton Rd. at the Arcadia Wash		CITY	CITY		7		CITY	CITY	Annually
CPS	N/E corner Baldwin at Gloria		CITY	CITY		9		CITY	CITY	Annually
CPS	N/W corner Baldwin at Hampton		CITY	CITY		10		CITY	CITY	Annually
CPS	704 Hampton		CITY	CITY		11		CITY	CITY	Annually
CPS	1301 Baldwin (on Hampton)		CITY	CITY		12		CITY	CITY	Annually
CPS	N/W corner Baldwin / Anokia		CITY	CITY		13		CITY	CITY	Annually
CPS	Baldwin at Anoakia		CITY	CITY		14		CITY	CITY	Annually
CPS	Baldwin at Anoakia		CITY	CITY		15		CITY	CITY	Annually
ARS	East West Orange Grove Park		CITY	CITY		16		CITY	CITY	Annually
CPS	935 Fallenleaf		CITY	CITY		1		CITY	CITY	Annually
CPS	920 Fallenleaf		CITY	CITY		2		CITY	CITY	Annually
CPS	730 Katherine Lane		CITY	CITY		3		CITY	CITY	Annually
CPS	N/E corner Baldwin / Arbolada		CITY	CITY		4		CITY	CITY	Annually
CPS	N/E corner Baldwin / Foothill		CITY	CITY		5		CITY	CITY	Annually

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Certified Full Capture Systems Database

CPS	N/W corner Baldwin / Foothill	CITY	CITY	6	CITY	CITY	Annually
CPS	N/W corner Foothill / Baldwin	CITY	CITY	7	CITY	CITY	Annually
CPS	S/W corner Foothill / Baldwin	CITY	CITY	8	CITY	CITY	Annually
CPS	North side Foothill between Old Ranch/Don Diablo	CITY	CITY	9	CITY	CITY	Annually
CPS	1032 Don Robles Dr.	CITY	CITY	15	CITY	CITY	Annually
CPS	1024 Don Alvarado Dr.	CITY	CITY	16	CITY	CITY	Annually
CPS	1024 Don Diablo Dr.	CITY	CITY	17	CITY	CITY	Annually
CPS	1024 Old Ranch Rd.	CITY	CITY	18	CITY	CITY	Annually
CPS	1024 English Oak Rd	CITY	CITY	19	CITY	CITY	Annually
CPS	725 Carriage House Dr.	CITY	CITY	20	CITY	CITY	Annually
CPS	725 Carriage House Dr.	CITY	CITY	21	CITY	CITY	Annually
CPS	719 Carriage House Dr.	CITY	CITY	22	CITY	CITY	Annually
CPS	701 Carriage House Dr.	CITY	CITY	23	CITY	CITY	Annually
CPS	726 Carriage House Dr.	CITY	CITY	24	CITY	CITY	Annually
CPS	728 Carriage House Dr.	CITY	CITY	25	CITY	CITY	Annually
CPS	732 Carriage House Dr.	CITY	CITY	26	CITY	CITY	Annually
CPS	1109 Englemann Ct.	CITY	CITY	27	CITY	CITY	Annually
CPS	753 Carriage House Dr.	CITY	CITY	28	CITY	CITY	Annually
CPS	763 Carriage House Dr.	CITY	CITY	29	CITY	CITY	Annually
CPS	1201 Oaklawn Rd.	CITY	CITY	1	CITY	CITY	Annually
CPS	1200 Oaklawn Rd. x2 drains	CITY	CITY	2	CITY	CITY	Annually
CPS	1200 Oaklawn Rd. x2 drains	CITY	CITY	3	CITY	CITY	Annually
CPS	476 Arbolada/One across from 476	CITY	CITY	4	CITY	CITY	Annually
CPS	476 Arbolada/One across from 476	CITY	CITY	5	CITY	CITY	Annually
CPS	501 Foothill	CITY	CITY	6	CITY	CITY	Annually
CPS	501 Foothill	CITY	CITY	7	CITY	CITY	Annually
CPS	N/W Corner on Foothill at Arbolada	CITY	CITY	8	CITY	CITY	Annually
ARS	431 W. Foothill	CITY	CITY	9	CITY	CITY	Annually
ARS	344 W. Foothill	CITY	CITY	10	CITY	CITY	Annually
CPS	1020 Loma Lisa Lane	CITY	CITY	11	CITY	CITY	Annually
CPS	1032 Woodacre Lane	CITY	CITY	12	CITY	CITY	Annually
CPS	1014 San Carlos Rd.	CITY	CITY	13	CITY	CITY	Annually
CPS	1022 Asder Lane	CITY	CITY	14	CITY	CITY	Annually
CPS	1014 Burnell Oaks Lane	CITY	CITY	15	CITY	CITY	Annually
CPS	290 Sierra Oaks Dr.	CITY	CITY	16	CITY	CITY	Annually

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Certified Full Capture Systems Database

CPS	Address	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Reporting year: 2016-2017
CPS	1026 Leandra Lane	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1018 Merry Oak Lane	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1017 Oakdale Lane	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1015 Cyrus Lane	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1018 Rancho Rd.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	Colorado Pl. @ East Wash	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	N/W Corner Huntington Dr at Civic Center	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	234 Campus Dr.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	290 Campus Dr. (W/O El Monte)	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	290 Campus Dr. (W/O El Monte)	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	376 W Huntington Dr	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	Across from 376 W. Huntington Drive	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	Westside Huntington Dr N/O 388 W (east bound Huntington Dr.)	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	Westside Huntington Dr S/W entrance	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1810 Anita Crest	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1809 Anita Crest	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	141 Lorain Dr. (136 property line)	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	123 W Sierra Madre Blvd.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	S/W cor. Sierra Madre Blvd. & Oakhaven	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	N/E Corner W Sierra Madre at 1706 La Ramada	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1700 N. La Ramada Ave. N/W corner across from 1706	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1611 Oakhaven Dr.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1631 La Ramada Ave.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1630 Oakwood Ave.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1631 Oakwood Ave.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	1343 Oakwood Dr.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	36 Ontare Rd.	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	230 W Hacienda - Across Street from	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	S/O 210 Frwy Center Median (eastside)	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
ARS	S/O 210 Frwy Center Median (westside)	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	S/side Foothill at Wash between Rancho/Rodeo	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually
CPS	11 E. Forest (west of Santa Anita) 122 West of 11 I	CITY	CITY	CITY	CITY	CITY	CITY	CITY	Annually

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CPS	N/E Cor. On Santa Anita at 210 Freeway	CITY	CITY	5	CITY	CITY	Annually
CPS	Santa Anita at 210 Freeway	CITY	CITY	8	CITY	CITY	Annually
CPS	N/W Foothill / Rancho	CITY	CITY	14	CITY	CITY	Annually
CPS	N/W Foothill / Rancho	CITY	CITY	15	CITY	CITY	Annually
CPS	N/W Foothill / Rancho	CITY	CITY	16	CITY	CITY	Annually
CPS	N/W Foothill / Rancho	CITY	CITY	17	CITY	CITY	Annually
CPS	N/side Foothill at Wash between Rancho/Rodeo	CITY	CITY	19	CITY	CITY	Annually
CPS	S/side Foothill at Wash between Rancho/Rodeo	CITY	CITY	20	CITY	CITY	Annually
CPS	823 Rodeo	CITY	CITY	22	CITY	CITY	Annually
CPS	Tindalo	CITY	CITY	23	CITY	CITY	Annually
CPS	Rancho Road	CITY	CITY	24	CITY	CITY	Annually
CPS	Rancho Road	CITY	CITY	25	CITY	CITY	Annually
CPS	Rancho Road at Foothill	CITY	CITY	26	CITY	CITY	Annually
CPS	Rancho Road	CITY	CITY	27	CITY	CITY	Annually
CPS	Rancho Road at Foothill	CITY	CITY	28	CITY	CITY	Annually
CPS	201 W. Colorado PI	CITY	CITY	1	CITY	CITY	Annually
CPS	Colorado Blvd. West of Santa Rosa	CITY	CITY	2	CITY	CITY	Annually
CPS	Colorado Blvd. West of Santa Rosa	CITY	CITY	3	CITY	CITY	Annually
CPS	Colorado Blvd. West of Santa Rosa	CITY	CITY	4	CITY	CITY	Annually
CPS	Colorado Blvd. West of Santa Rosa	CITY	CITY	5	CITY	CITY	Annually
CPS	201 W. Colorado PI	CITY	CITY	35	CITY	CITY	Annually
CPS	Colorado Blvd. W.of S.A. under R/R overpass	CITY	CITY	7	CITY	CITY	Annually
CPS	35 Cornell Dr. & Windsor Rd	CITY	CITY	9	CITY	CITY	Annually
CPS	501 N. Santa Anita	CITY	CITY	17	CITY	CITY	Annually
CPS	501 N. Santa Anita	CITY	CITY	19	CITY	CITY	Annually
CPS	500 N. Santa Anita	CITY	CITY	20	CITY	CITY	Annually
CPS	500 N. Santa Anita	CITY	CITY	21	CITY	CITY	Annually
CPS	N/W corner on Santa Anita at Santa Clara	CITY	CITY	22	CITY	CITY	Annually
CPS	N/E Corner on Santa Anita at Santa Clara	CITY	CITY	27	CITY	CITY	Annually
CPS	250 W. Huntington Dr.	CITY	CITY	7	CITY	CITY	Annually
CPS	240 W. Huntington Dr (westbound)	CITY	CITY	1	CITY	CITY	Annually
CPS	240 W. Huntington Dr (westbound)	CITY	CITY	2	CITY	CITY	Annually
CPS	S/W cor. Colorado PI & Huntington Dr.	CITY	CITY	37	CITY	CITY	Annually
CPS	240 W. Huntington Drive	CITY	CITY	3	CITY	CITY	Annually
CPS	240 W. Huntington Drive	CITY	CITY	4	CITY	CITY	Annually
CPS	250 W. Huntington Dr.	CITY	CITY	5	CITY	CITY	Annually

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CPS	250 W. Huntington Dr.	CITY	CITY	6	CITY	CITY	Annually
CPS	125 Colorado Place	CITY	CITY	36	CITY	CITY	Annually
CPS	N/W corner on Civic Center	CITY	CITY	1	CITY	CITY	Annually
CPS	On Huntington Dr at Civic Center	CITY	CITY	2	CITY	CITY	Annually
CPS	221 W. LeRoy	CITY	CITY	1	CITY	CITY	Annually
CPS	220 W. LeRoy	CITY	CITY	2	CITY	CITY	Annually
CPS	Norman at Santa Anita	CITY	CITY	3	CITY	CITY	Annually
CPS	1511 W. Azure Way at Santa Anita Terrace	CITY	CITY	1	CITY	CITY	Annually
CPS	N/E Corner on Azure Way at Santa Anita Terr.	CITY	CITY	2	CITY	CITY	Annually
CPS	N/E corner El Monte at Longden Ave.	CITY	CITY	1	CITY	CITY	Annually
CPS	N/W corner El Monte at Longden Ave.	CITY	CITY	2	CITY	CITY	Annually
CPS	S/W corner Longden Ave. at El Monte	CITY	CITY	3	CITY	CITY	Annually
CPS	205 W. Longden	CITY	CITY	4	CITY	CITY	Annually
CPS	178 W. Longden	CITY	CITY	5	CITY	CITY	Annually
CPS	165 Arthur	CITY	CITY	6	CITY	CITY	Annually
CPS	West on Azure at Arthur Ave	CITY	CITY	7	CITY	CITY	Annually
CPS	East on Arthur at Azure	CITY	CITY	8	CITY	CITY	Annually
ARS	45 Arthur	CITY	CITY	13	CITY	CITY	Annually
CPS	44 Arthur	CITY	CITY	14	CITY	CITY	Annually
CPS	167 W. Longley Way	CITY	CITY	1	CITY	CITY	Annually
ARS	185 W. Palm	CITY	CITY	2	CITY	CITY	Annually
CPS	2227 Canyon Rd.	CITY	CITY	8	CITY	CITY	Annually
CPS	2227 Canyon Rd.	CITY	CITY	9	CITY	CITY	Annually
CPS	2240 Canyon Rd.	CITY	CITY	10	CITY	CITY	Annually
CPS	2240 Canyon Rd.	CITY	CITY	11	CITY	CITY	Annually
CPS	2225 Highland Vista Dr.	CITY	CITY	12	CITY	CITY	Annually
CPS	2220 Highland Vista Dr.	CITY	CITY	13	CITY	CITY	Annually
CPS	2011 Highland Oaks Dr.	CITY	CITY	3	CITY	CITY	Annually
CPS	2000 Highland Oaks Dr.	CITY	CITY	4	CITY	CITY	Annually
CPS	2011 Canyon Rd.	CITY	CITY	5	CITY	CITY	Annually
CPS	2000 Canyon Rd.	CITY	CITY	6	CITY	CITY	Annually
CPS	2001 Carolwood Dr.	CITY	CITY	7	CITY	CITY	Annually
CPS	N/W cor. Carolwood Dr & on Elkins Ave.	CITY	CITY	8	CITY	CITY	Annually
CPS	N/E cor. Canyon Rd. & on Elkins Ave	CITY	CITY	9	CITY	CITY	Annually
CPS	N/W cor. Highland Oaks Pl. & Elkins Ave.	CITY	CITY	10	CITY	CITY	Annually
CPS	2001 Oaks Place	CITY	CITY	11	CITY	CITY	Annually

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Certified Full Capture Systems Database

CPS	2000 Oaks Place	CITY	CITY	12	CITY	CITY	Annually
CPS	2128 Canyon Rd.	CITY	CITY	14	CITY	CITY	Annually
CPS	2200 N. Highland Oaks Dr.	CITY	CITY	16	CITY	CITY	Annually
CPS	2011 N. Highland Oaks Dr.	CITY	CITY	17	CITY	CITY	Annually
CPS	1801 Highland Oaks Dr.	CITY	CITY	1	CITY	CITY	Annually
CPS	1800 Highland Oaks Dr.	CITY	CITY	2	CITY	CITY	Annually
CPS	N/W Corner Highland Oaks Dr & Doshier Ave	CITY	CITY	3	CITY	CITY	Annually
CPS	1622 Highland Oaks Dr.	CITY	CITY	1	CITY	CITY	Annually
CPS	N/W cor. Highland Oaks Dr. & Virginia Dr.	CITY	CITY	2	CITY	CITY	Annually
CPS	N/W cor. Highland Oaks Dr. & Virginia Dr.	CITY	CITY	3	CITY	CITY	Annually
CPS	S/W cor. 1619 Highland Oaks Dr. & Virginia Dr.	CITY	CITY	4	CITY	CITY	Annually
CPS	1624 N. Wilson Ave.	CITY	CITY	5	CITY	CITY	Annually
CPS	1625 N. Wilson Ave.	CITY	CITY	6	CITY	CITY	Annually
CPS	1200 Highland Oaks	CITY	CITY	1	CITY	CITY	Annually
CPS	N/W Corner Sycamore/Highland Oaks	CITY	CITY	2	CITY	CITY	Annually
CPS	N/W cor. 1201 Oakglen Ave. & Sycamore Ave.	CITY	CITY	3	CITY	CITY	Annually
CPS	1263 Oakglen Ave.	CITY	CITY	4	CITY	CITY	Annually
CPS	S/O 1266 Oakglen Ave.	CITY	CITY	5	CITY	CITY	Annually
CPS	1312 N. Highland Oaks Dr.	CITY	CITY	6	CITY	CITY	Annually
CPS	N/W cor 1321 Highland Oaks/Woodland Ave	CITY	CITY	7	CITY	CITY	Annually
CPS	149 E. Sycamore	CITY	CITY	8	CITY	CITY	Annually
CPS	150 E. Sycamore	CITY	CITY	9	CITY	CITY	Annually
CPS	N/W cor. Sycamore Ave & Oakhaven Rd.	CITY	CITY	10	CITY	CITY	Annually
CPS	N/E cor. Sycamore Ave. & Oakhaven Rd.	CITY	CITY	11	CITY	CITY	Annually
CPS	1257 Oakhaven Rd	CITY	CITY	16	CITY	CITY	Annually
CPS	N/E Corner Oakhaven Rd/Whispering Pine Dr	CITY	CITY	17	CITY	CITY	Annually
CPS	S/E Corner Oakhaven Rd/Whispering Pine Dr	CITY	CITY	18	CITY	CITY	Annually
CPS	S/E Corner Oakhaven Rd/Whispering Pine Dr	CITY	CITY	19	CITY	CITY	Annually
CPS	201 Whispering Pines	CITY	CITY	20	CITY	CITY	Annually
CPS	Whispering Pines Summit/Whisp.Pines Dr	CITY	CITY	22	CITY	CITY	Annually
CPS	Whispering Pines Summit/Whisp.Pines Dr	CITY	CITY	23	CITY	CITY	Annually
CPS	317 Whispering Pines Dr.	CITY	CITY	25	CITY	CITY	Annually
CPS	317 Whispering Pines Dr.	CITY	CITY	26	CITY	CITY	Annually
CPS	166 Country Oaks Circle	CITY	CITY	1	CITY	CITY	Annually
CPS	705 Country Oaks Circle	CITY	CITY	2	CITY	CITY	Annually
CPS	811 N. Wigwam Ave.	CITY	CITY	4	CITY	CITY	Annually

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CPS	142 E. Haven	CITY	CITY	5	CITY	CITY	Annually
CPS	605 Lorena at Newman	CITY	CITY	3	CITY	CITY	Annually
CPS	144 E. Newman	CITY	CITY	4	CITY	CITY	Annually
ARS	N/W Colorado on Second	CITY	CITY	5	CITY	CITY	Annually
ARS	N/E Colorado on Second	CITY	CITY	6	CITY	CITY	Annually
CPS	Santa Clara-between Fifth and Second	CITY	CITY	7	CITY	CITY	Annually
CPS	Santa Clara-between Fifth and Second	CITY	CITY	8	CITY	CITY	Annually
CPS	N/W Corner on Santa Clara at Second Ave.	CITY	CITY	13	CITY	CITY	Annually
CPS	N/W Corner on Second at Santa Clara	CITY	CITY	14	CITY	CITY	Annually
CPS	1614 S. Wesley Lane	CITY	CITY	2	CITY	CITY	Annually
CPS	1241 Ninth	CITY	CITY	2	CITY	CITY	Annually
CPS	1237 Ninth	CITY	CITY	3	CITY	CITY	Annually
CPS	1240 Ninth	CITY	CITY	4	CITY	CITY	Annually
CPS	1236 Ninth	CITY	CITY	5	CITY	CITY	Annually
CPS	1128 S. Ninth Ave.	CITY	CITY	6	CITY	CITY	Annually
CPS	1121 S. Ninth Ave.	CITY	CITY	7	CITY	CITY	Annually
CPS	911 Derek Drive	CITY	CITY	8	CITY	CITY	Annually
ARS	701 E. Pamela	CITY	CITY	2	CITY	CITY	Annually
CPS	917 E. Camino Real	CITY	CITY	3	CITY	CITY	Annually
CPS	920 E Camino Real	CITY	CITY	4	CITY	CITY	Annually
CPS	831 E. Camino Grove Ave.	CITY	CITY	20	CITY	CITY	Annually
CPS	1931 Tulip Lane	CITY	CITY	1	CITY	CITY	Annually
ARS	2424 S. Eighth Ave	CITY	CITY	1	CITY	CITY	Annually
CPS	N/W Corner Eighth at Sandra	CITY	CITY	2	CITY	CITY	Annually
CPS	2446 Eighth	CITY	CITY	3	CITY	CITY	Annually
CPS	N/E cor. Clark St. & Peck Rd.	CITY	CITY	1	CITY	CITY	Annually
CPS	N/E cor. Clark St. & Peck Rd.	CITY	CITY	2	CITY	CITY	Annually
CPS	N/E cor. Clark St & Peck Rd.	CITY	CITY	3	CITY	CITY	Annually
CPS	S/E cor. Clark St. & Peck Rd.	CITY	CITY	4	CITY	CITY	Annually
CPS	S/E cor. Clark St. & Peck Rd.	CITY	CITY	5	CITY	CITY	Annually
CPS	5460 S. Peck Rd.	CITY	CITY	6	CITY	CITY	Annually
CPS	N/E Peck Rd. / Goldring	CITY	CITY	7	CITY	CITY	Annually
CPS	5537 Reck Rd.	CITY	CITY	8	CITY	CITY	Annually
CPS	N/E cor. Clark St. & Peck Rd.	CITY	CITY	9	CITY	CITY	Annually
CPS	S. side of Lower Azusa-E.of 12300 L.Azusa	CITY	CITY	1	CITY	CITY	Annually
CPS	9801 E Lemon Ave	LACFGD	LACFGD		LACFGD	LACFGD	Annually

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CPS	9759 E Lemon Ave	LACFCD	LACFCD	Annually
CPS	6502 Temple City Blvd	LACFCD	LACFCD	Annually
CPS	9553-9599 E Camino Real Ave	LACFCD	LACFCD	Annually

Quantity	Device Type
234	CPS
10	ARS
Quantity	Catch Basin Inventory
10	CBs w/PCD (86% efficiency)
234	CBs w/FCD (100% efficiency)
265	Total CBs

Notations:

- Form Insert additional rows, as necessary
- Column 1: Indicate certified full capture device (FCD) installed
- Column 2: Name FCD street location and indicate whether: WS - west side; ES - east side; NS - north side; SS - south side
- Column 3: Name the nearest cross street location of the FCD
- Column 4: FCD Owned by: Co - County of L.A.; Flood - L.A. County Flood Control District; Ci - City; Ca - Caltrans; Pr - Private; Oth - Others
- Column 5: FCD Maintained by: Co - County of L.A.; Flood - L.A. County Flood Control District; Ci - City; Ca - Caltrans; Pr - Private; Oth - Others
- Column 6: Provide the date when FCD was installed
- Column 7: Indicate County or City assigned catch basin (CB) identification (ID) numbers
- Column 8: Type of CB based on Standard Plan for Public Works Construction from Greenbook Committee, Public Works Standards, Inc. (i.e., 300-2; 301-2; 302-2; 303-2; etc.)
- Column 9: CB Owned by: Co - County of L.A.; Flood - L.A. County Flood Control District; Ci - City; Ca - Caltrans; Pr - Private; Oth - Others
- Column 10: CB maintained by: Co - County of L.A.; Flood - L.A. County Flood Control District; Ci - City; Ca - Caltrans; Pr - Private; Oth - Others
- Column 11: Indicate frequency of FCD maintenance (e.g. inspection & cleanup: 1x/3 mo., 1x/6 mo., 1x Nov., 1x Aug., etc.)