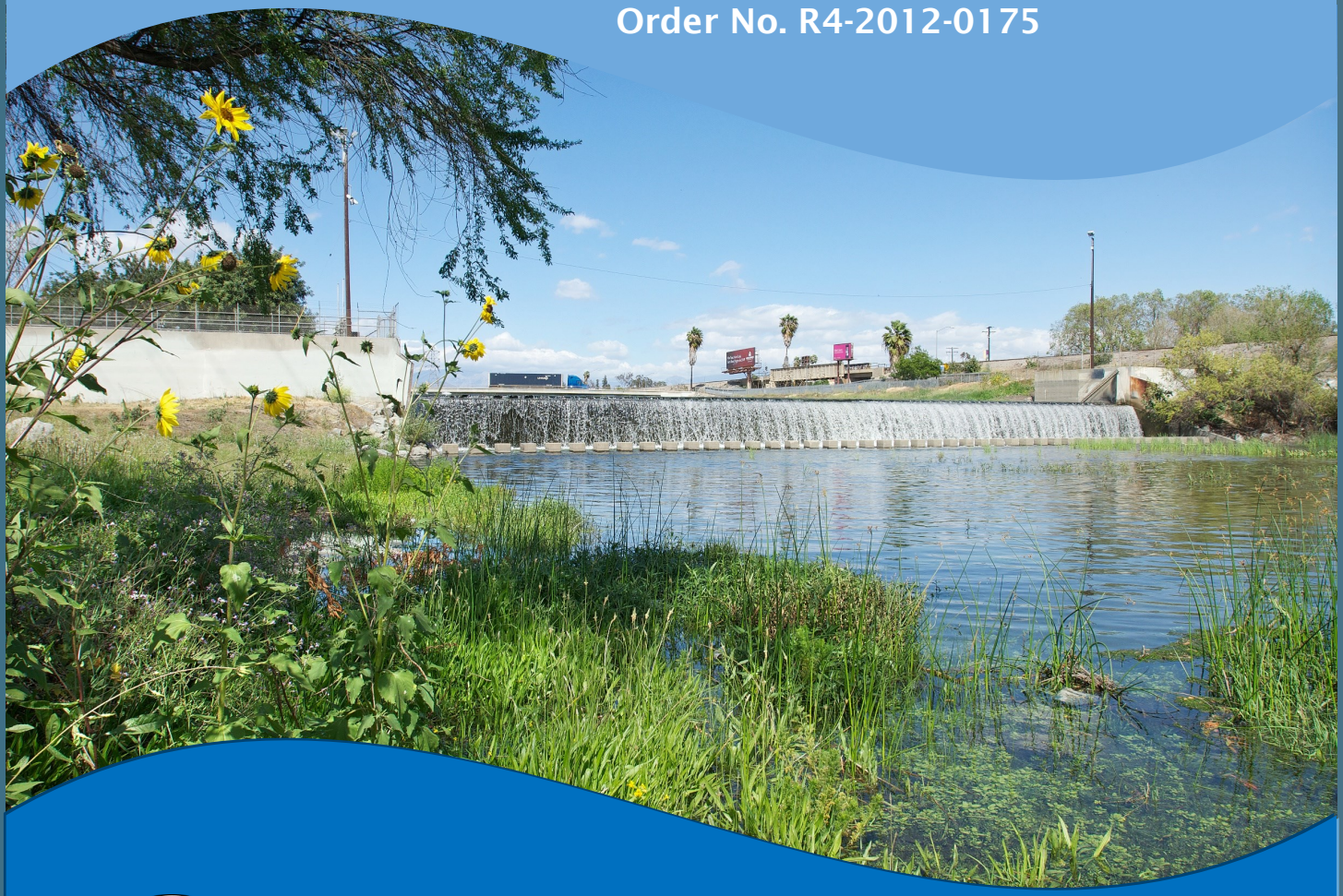
Los Angeles County Flood Control District

Annual Report

for

the Municipal Stormwater Permit

Order No. R4-2012-0175



Report Year

2014-2015

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INDIVIDUAL ANNUAL REPORT FORM

ORDER NO. R4-2012-0175 AS AMENDED BY STATE WATER BOARD ORDER WQ 2015-0175

ATTACHMENT U-4

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Los Angeles County Municipal Storm Water Permit (Order 01-182)
Individual Annual Report Form
Attachment U-4

On December 28, 2012, the Los Angeles Regional Water Quality Control Board adopted Los Angeles County Municipal Separate Storm Sewer System National Pollutant Discharge Elimination Permit (Order No. R4-2012-0175), which replaced Order 01-182. Order No. R4-2012-0175 generally requires the continued implementation of programs under Order 01-182 until approval of applicable Watershed Management and Enhanced Watershed Management Programs. In the absence of a reporting template for Order R4-2012-0175, as directed by Regional Board staff, Form U-4 of Order 01-182 is continuing to be used for reporting until a new reporting template is developed. Furthermore, status of implementation of applicable requirements under Order R4-2012-0175 is provided in Attachment C of this report.

Each Permittee must complete this form in its entirety, except for those requirements applicable only to the Principal Permittee. Only report activities that were performed during the previous fiscal year. Upon completion, this form shall be submitted to the Principal Permittee, by the date specified by the Principal Permittee, for inclusion in the unified Annual Storm Water Program Report. Attachments should be included where necessary to provide sufficient information on program implementation.

The goals of this Report are to: 1) concisely document implementation of the Storm Water Quality Management Program (SQMP) during the past fiscal year; 2) evaluate program results for continuous improvement; 3) determine compliance with Order 01-182; and 4) share this information with other Permittees, municipal decision makers, and the public.

!	YOU MUST FILL OUT ALL THE INFORMATION REQUESTED *Do not leave any of the sections blank.*
N/A	If the question does not apply to your municipality, please indicate N/A in the space provided and provide a brief explanation
U	If the information requested is currently unavailable, please indicate U in the space provided and give a brief explanation.

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I. Program Management

A. Permittee Name: **Los Angeles County Flood Control District**

B. Permittee Program Supervisor: **Paul Alva**

Title: **Principal Engineer**

Address: **900 South Fremont Avenue**

City: **Alhambra** Zip Code: **91803**

Phone: **(626) 458-4325** Fax: **(626) 458-1526**

C. In the space below, briefly describe how the storm water program is coordinated within your agency's departments and divisions. Include a description of any problems with coordination between departments. To facilitate this, complete the Table 1.

The stormwater quality program of the Los Angeles County Flood Control District (LACFCD) is coordinated by the Los Angeles County Department of Public Works (DPW), Watershed Management Division (WMD), which works with numerous divisions within DPW to implement the program. See Table 1 for details. WMD staff interact regularly with pertinent divisions to ensure proper training and full program implementation.

Pursuant to the 2012 MS4 Permit, Attachment A contains a certification by the LACFCD's legal counsel that the LACFCD has legal authority to implement the requirements of 40 CFR § 122.26(d)(2)(i)(A)-(F) and Regional Board Order No. R4-2012-0175 as amended by State Water Board Order WQ 2015-0075.

TABLE 1 - Program Management

Storm Water Management Activity	Division/Department	# of Individuals Responsible for Implementing
1. Outreach & Education	**DPW Flood Maintenance and Survey/Mapping Divisions and Public Relations Group**	**5**
2. Industrial/Commercial Inspections	**N/A**	**N/A**
3. Construction Permits/Inspections	**N/A**	**N/A**
4. IC/ID Inspections	**DPW Flood Maintenance and Land Development Divisions**	**35**
5. Street sweeping	**N/A**	**N/A**
6. Catch Basin Cleaning	**DPW Flood Maintenance Division**	**6 + contractors**
7. Spill Response	**DPW Flood Maintenance and Information Technology Divisions**	**28.5 + contractors**
8. Development Planning (project/SUSMP review and approval)	**N/A**	**N/A**
9. Trash Collection	**N/A**	**N/A**

D. Staff and Training

Attach a summary of staff training over the last fiscal year. This shall include the staff name, department, type of training, and date of training.

See Attachment B

E. Budget Summary

1. Does your municipality have a storm water utility? Yes ☐ No ☒

   If no, describe the funding source(s) used to implement the requirements of Order No. 01-182.

   The LACFCD's Stormwater Program is funded by a Flood Control Benefit Assessment.

2. Are the existing financial resources sufficient to accomplish all required activities? Yes ☒ No ☐

3. Complete Table 2 to the extent that accurate information is available (indicate U in the spaces where the information is unavailable), and report any supplemental dedicated budgets for the same categories on the lines below the table.

TABLE 2

Program Element			Expenditures in Previous Fiscal Year 2014 - 15	Estimated Amount Needed to Implement Order No. R4-2012-0175 in Fiscal Year 2015-16
1.	**Program management**			
	a.	**Administrative costs**	559,000	580,000
	b.	**Capital costs**	0	0
2.	**Public Information and Participation**			
	a.	**Public Outreach/Education**	208,000	1,000,000
	b.	**Employee Training**	29,000	30,000
	c.	**Corporate Outreach**	0	0
	d.	**Business Assistance**	0	0
3.	**Industrial/Commercial inspection/ site visit activities**		N/A	N/A
4.	**Development Planning**		N/A	N/A
5.	**Development Construction**		N/A	N/A
	a.	**Construction inspections**	N/A	N/A
6.	**Public Agency Activities**			
	a.	**Maintenance of structural and treatment control BMPs**	195,000	210,000
	b.	**Municipal street sweeping**	179,000	200,000
	c.	**Catch basin cleaning**	1,115,000	1,230,000
	d.	**Trash collection/recycling**	891,000	970,000
	e.	**Capital costs**	1,000	30,000
	f.	**Others**	18,575,000	19,510,000
7.	**IC/ID Program**		452,000	470,000
	a.	**Operations and Maintenance**	3,894,000	4,090,000
	b.	**Capital costs**	0	0
8.	**Monitoring[1]**		1,848,000	1,950,000
9.	**Other[2]**		3,732,000	3,890,000
10	**Total**		31,678,000	34,160,000

[1] **Does not include TMDL monitoring**

[2] **The amounts reported in the "Other" category include expenses associated with the Watershed Management Programs, Enhanced Watershed Management Programs, and Coordinated Integrated Monitoring Programs; TMDL implementation; and other projects with water quality benefits.**

List any supplemental dedicated budgets for the above categories:

N/A

List any activities that have been contracted out to consultants/other agencies:

- **Environmental education programs**
- **Used motor oil and oil filter recycling program**
- **Portions of the illicit discharge program**
- **Cleaning of channel inverts, catch basins, and channel right-of-ways**
- **Flood facilities sweeping, vacuum, and jetting services**
- **Maintenance of the Marie Canyon Disinfection Project**
- **Maintenance of Low Flow Diversions**
- **Routine and emergency response services for cleanup and disposal of hazardous materials**
- **Development, and implementation of the monitoring program**
- **Development of WMPs and EWMPs**
- **Surveying and identifying facilities discharging into the MS4**

4. List any additional state/federally funded projects related to storm water.

Oxford Retention Basin Enhancement Project

The Oxford Retention Basin Enhancement Project is a $12 million project that is designed to improve circulation within the basin, enhance flood protection, improve the quality of plant and wildlife habitat within the facility, and provide aesthetic and recreational enhancements. On October 18, 2012, the Santa Monica Bay Restoration Commission (SMBRC) Governing Board approved a recommendation to have the State award $2 million in Proposition 84 funding for portions of this project. In addition, this project was awarded $1.5 million for the Los Angeles Region's Proposition 84 Implementation Grant.

Arroyo Seco Ecosystem Restoration Feasibiltiy Study

Originally called the Arroyo Seco Watershed Feasibility Study and conducted by the U.S. Army Corps of Engineers at the request of the LACFCD, the original project cost was $2.4 million over the duration of the study, with 50% funded by local sources and 50% funded by Federal appropriations. Due to the scope change, the revised Study cost is $4.8 million. At the completion of the Study in 2017, a recommendation will be made to Congress for authorization of funds for the design and construction of the selected restoration plan for the Arroyo Seco.

Sun Valley Feasibility Study

The LACFCD and U.S. Army Corps of Engineers have decided to forgo the study. The two organizations will no longer pursue the study due to lack of federal funding for several consecutive years and a revamp of the U.S. Army Corps Study Development process.

II. Receiving Water Limitations (Part 2)

A. Are you aware, or have you been notified, of any discharges from your MS4 that cause or contribute to a condition of nuisance or to the violation of any applicable water quality standards? Yes ☐ No ☒

B. Has the Regional Board notified you that discharges from your MS4 are causing or contributing to an exceedance of water quality standards? Yes ☐ No ☒

C. If you answered Yes to either of the above questions, you must attach a Receiving Water Limitations (RWL) Compliance Report. The Report must include the following:

1. A description of the pollutants that are in exceedance and an analysis of possible sources;
2. A plan to comply with the RWL (Permit, Part 2);
3. Changes to the SQMP to eliminate water quality exceedances;
4. Enhanced monitoring to demonstrate compliance; and
5. Results of implementation.

III. Stormwater Quality Management Program Implementation (Part 3)

A. Has your agency implemented the SQMP and any additional controls necessary to reduce the discharges of pollutants in storm water to the maximum extent practicable? Yes ☒ No ☐

B. If your agency has implemented additional or different controls than described in the countywide SQMP, has your agency developed a local SQMP that reflects the conditions in its jurisdiction and specifies activities being implemented under the appropriate elements described in the countywide SQMP? Yes ☐ No ☐ **See below**

C. Describe the status of developing a local SQMP in the box below.

N/A

D. If applicable, describe an additional BMP, in addition to those in the countywide SQMP that your city has implemented to reduce pollutants in storm water to the maximum extent practicable.

The LACFCD is participating in six Watershed Management Program (WMP) groups and 12 Enhanced Watershed Management Program (EWMP) groups following adoption of the 2012 MS4 Permit. Control measures implemented above and beyond the Stormwater Quality Management Program were discussed in the Notices of Intent submitted to the Regional Board on June 28, 2013; They include the installation of end of pipe nets, Continuous Deflection System units, catch basin basket inserts, and catch basin screens. In addition, a "Clean Yards Inspection Program" has been in place since 2006 to facilitate proper implementation of good housekeeping BMPs at LACFCD's field facilities that have the potential to contribute to urban and stormwater runoff pollution.

E. Watershed Management Committees (WMCs)

1. Which WMC are you in?

   Since the adoption of the 2012 MS4 Permit, Watershed Management Committees have generally evolved into various WMP and EWMP groups. The LACFCD is part of six WMP Groups and 12 EWMP Groups as provided in Attachment C.

2. Who is your designated representative to the WMC?

   N/A

3. How many WMC meetings did you participate in last year?

   N/A

4. Describe specific improvements to your storm water management program as a result of WMC meetings.

   N/A

5. Attach any comments or suggestions regarding your WMC.

   N/A

F. Storm Water Ordinance

1. Have you adopted a storm water and urban runoff ordinance to enforce all requirements of Order 01-182? Yes ☒ No ☐

   If not, describe the status of adopting such an ordinance.

   N/A

2. If yes, have you already submitted a copy of the ordinance to the Regional Board? Yes ☒ No ☐

   If not, please attach a copy to this Report.

3. Were any amendments made to your storm water ordinance during the last fiscal year? Yes ☐ No ☒

   If yes, attach a copy of amendments to this Report.

G. Discharge Prohibitions

1. List any non-storm water discharges you feel should be further regulated:

   None at this time. Recommendations may depend on results of the non-stormwater screening effort pursuant to the 2012 MS4 Permit as well as information received from drinking water suppliers (see note below and Attachment C).

2. List any non-storm water discharges you feel should be exempt, and provide an explanation for each:

   None at this time.

NOTE: **Please see Attachment C for a summary of the actions the LACFCD has taken to address the discharge prohibition requirements in the 2012 MS4 Permit.**

IV. Special Provisions (Part 4)

A. Public Information and Participation (Part 4.B.)

In addition to answering the following questions, attach a summary of all storm water education activities that your agency conducted or participated in last year.

See Attachment D

1. No Dumping Message

   a) How many storm drain inlets does your agency own?

      81,740 Catch basin openings

b) How many storm drain inlets were marked with a no dumping message in the last fiscal year?

32,754 Catch basin openings

c) What is the total number of storm drain inlets that are legibly marked with a no dumping message?

81,740 (ALL) Catch basin openings

If this number is less than the number in question 1.b, describe why all inlets have not been marked, the process used to implement this requirement, and the expected completion date.

N/A

d) How many public access points to creeks, channels, and other water bodies within your jurisdiction have been posted with no dumping signage in the past year?

All LACFCD facilities with public access points to creeks, channels, or other water bodies are posted with "No Dumping" signs.

Describe your agency's status of implementing this requirement by the date required in Order No. 01-182.

Please see response above. Furthermore, DPW's Flood Maintenance Division (FMD) personnel note any missing or defaced signs during routine inspections and repost signs as necessary.

2. Reporting Hotline

a) Has your agency established its own hotline for reporting and for general storm water management information? Yes ☒ No ☐

b) If so, what is the number? **1(888) CLEAN LA (1-888-253-2652)**

c) Is this information listed in the government pages of the telephone book? Yes ☒ No ☐

d) If no, is your agency coordinated with the countywide hotline?

N/A

e) Do you keep record of the number of calls received and how they were responded to? Yes ☒ No ☐

f) How many calls were received in the last fiscal year?

25,056

g) Describe the process used to respond to hotline calls.

The CLEAN LA hotline provides access to pre-recorded information in English and Spanish 24-hours-a-day, 7-day-a-week about illegal dumping, stormwater, pollution prevention, water conservation, recycling used motor oil, disposing household hazardous waste and electronic waste, and smart gardening programs. Regardless of the time, illegal dumping calls received at the hotline are routed to DPW dispatch operators who log and process the calls. If the call's origin is within areas or facilities that fall under the responsibility of DPW (i.e., Los Angeles County unincorporated areas (County) or LACFCD facilities), a work order is generated and sent to the appropriate DPW staff; otherwise, the information is forwarded to the appropriate MS4 Permittee's operations

coordinator. During regular DPW business hours, DPW's Environmental Programs Division (EPD) provides live responses to callers in English and Spanish.

h) Have you provided the Principal Permittee with your current reporting contact information?

N/A

i) Have you compiled a list of the general public reporting contacts for all Permittees and posted it on the www.CleanLA.com web site (*Principal Permittee only)?* Yes ☒ No ☐

If not, when is this scheduled to occur?

N/A

3. Outreach and Education

a) Describe the strategy developed to provide outreach and bilingual materials to target ethnic communities. Include an explanation of why each community was chosen as a target, how program effectiveness will be determined, and status of implementation. (Principal Permittee only)

The 2012 MS4 Permit no longer designates a Principal Permittee. The LACFCD, as a Co-Permittee, continued to jointly implement several components of the Public Information and Participation Program (PIPP) in partnership with the County of Los Angeles (County), as follows.

During the Used Motor Oil and Oil Filter Campaign that occurred in FY 2014-15, the LACFCD hosted six filter exchange events in the Cities of Alhambra, Bell, Lawndale, Maywood, Hawaiian Gardens, and San Gabriel. A total of 628 gallons of used motor oil and 326 used oil filters were collected from 306 Do-It-Yourselfers (DIYers). Participants who recycled their used motor oil and used oil filters received free used motor oil and used oil filter containers, shop towels, oil funnels, and a new oil filter in exchange for their old filter.

The media campaign for the Used Motor Oil and Oil Filter Recycling Program promoted used motor oil/oil filter recycling events through newspaper and radio ads. The media campaign targeted the Spanish speaking DIYer market within Los Angeles County. The paid media consisted of radio and print ads on various media outlets including *La Opinion,* KLAX 97.9, KSCA FM 101.9, *HOY, El Clasificado, Commerce Comet,* and *Bell Gardens Sur*. This media campaign achieved approximately 8,202,000 paid media impressions and 3,800,000 added-value impressions.

The LACFCD also conducted a media buy with Time Warner Cable. A 30 seconds Public Service Announcement (PSA) promoting proper disposal of used motor oil and used oil filters aired on various cable channels targeting English and Spanish speaking DIYers as well as a web banner advertisement. The campaign aired between May 10, 2015, and June 28, 2015. A total of 3,000,000 television media impressions and 903,000 added-value impressions were achieved. A total of 3,700,000 web banner impressions were garnered.

During this reporting period, a cash jacket media campaign was coordinated as a pilot. The cash jacket campaign consisted of in-store counter advertisements (counter mat/sign), and a cash jacket sleeve (brochure) at 11 check cashing

stores located Countywide to deliver key messages to English and Spanish-speaking DIYers. The ads focused on educating the target audience on proper methods of storing and disposing of used motor oil; not mixing water with the used oil; and providing the 1 (888) CLEAN LA hotline number. A total of 184,200 media impressions were achieved during this campaign.

Additional outreach efforts were conducted with Community Based Organizations (CBOs) and local businesses including: local government agencies; public libraries; community centers; recycling centers; faith-based organizations; and the Los Angeles County Board of Supervisors' district offices. A total of 2,475 flyers were circulated through the CBO campaign, reaching an estimated 30,100 residents.

The LACFCD conducted event surveys at all of the special events and the used oil filter exchange events. A total of 1,383 event surveys were completed at the events. The survey consisted of 14 questions and was offered in English, Chinese, and Spanish. In-language representatives were present at each event to help those who needed assistance in completing the survey. During this reporting period, 38.3% were 51 years of age or older as compared to 36% last year. Respondents who change their own motor oil were 71.3% this year compared to 54% the previous year with 71.5% of the respondents this year disposing of their used motor oil and used oil filters at a local Certified Collection Center (CCC) compared to 56% to last year.

The event survey results indicated that overall, most Hispanic respondents learned about the events through print (34.4%) and radio (12.3%). Most people specified on the surveys that they heard about the event through *El Aviso magazine, El Clasificado, La Opinion,* and *Hoy* publications. While 62% of the total Hispanic media budget was spent on radio buys this reporting period, according to the survey results, radio accounted for only 12.3% of Hispanic attendees. Since radio broadcasts did not occur at the events, this may have attributed to less radio participants. Paid media was not coordinated for the general or Chinese markets. Coverage for those markets was generated through media outreach impressions, which consisted of press releases and free event announcements resulting in 5,500,000 impressions.

The LACFCD attended two special events promoting the County's used motor oil and used oil filter recycling program: Lunar New Year Festival in Alhambra, and Fiesta Broadway in Los Angeles. Approximately 1,100 participants stopped by the used oil/filter information booth.

The LACFCD also attended spring cleanup events held in the Cities of Bell and Commerce. Approximately 82 participants stopped by the used oil information booth.

All event participants received a used oil tip sheet and HHW/E-waste schedule. If the participants completed a survey as to how they dispose of their used motor oil and used oil filters, they were also able to receive a set of functional items. The functional items at all of the oil filter exchange events and the specials events included shop towels, oil funnels, oil containers, and oil filter containers. Staff continued to maintain and answer the Chinese hotline for Mandarin speaking DIYers. The LACFCD received 36 Mandarin calls during this reporting period.

b) Did the Principal Permittee organize quarterly Public Outreach Strategy meetings that you were aware of? Yes ☒ No ☐

How many Public Outreach Strategy meetings did your agency participate in last year?

Although there is no longer a "Principal Permittee" in the 2012 MS4 Permit, the LACFCD continued to implement the PIPP requirements of the 2001 Permit and organized quarterly meetings during the 2014-2015 Reporting Year.

Explain why your agency did not attend any or all of the organized meetings.

N/A

Identify specific improvements to your storm water education program as a result of these meetings:

The LACFCD featured guest speakers at the July 23, 2014, November 22, 2014, January 22, 2015, and April 22, 2015, quarterly meetings. Meeting topics included the LACFCD and County's Elementary School Environmental Education Programs (Environmental Defenders and Generation Earth), Algalita Marine Research Foundation, the County's Smart Gardening and Used Motor Oil and Oil Filter Recycling Public Education Programs. The LACFCD shared resources such as collateral materials and public outreach strategies with permittees. The quarterly meetings provided a forum for permittees to learn about stormwater pollution prevention public education programs as well as exchange information about programs being offered in various jurisdictions and by non-profit organizations. As the LACFCD continues implementation of its Stormwater Education Program, the LACFCD will consider incorporating new strategies that were discussed during the quarterly meetings.

List suggestions to increase the usefulness of quarterly meetings:

None

If quarterly Public Outreach Strategy meetings were not organized, explain why not and when this requirement will be implemented *(Principal Permittee only).*

N/A

c) Approximately how many impressions were made last year on the general public about storm water quality via print, local TV, local radio, or other media?

57.3 million impressions

d) Describe efforts your agency made to educate local schools on storm water pollution.

The LACFCD (along with the County) provides resources and programs for in-school stormwater education to students enrolled in grades K-12 through classroom lesson plans, assembly presentations, technical assistance workshops, special events, and special projects.

The new Generation Earth contract was adopted by the Los Angeles County Board of Supervisors on October 14, 2014. The contract was executed and the Contractor began work on October 28, 2014.

A total of six workshops were conducted in the following cities: Long Beach; Los Angeles; Arcadia; Burbank, and two workshops were held in Beverly Hills. Approximately 95 teachers attended the workshops to learn about source reduction, stormwater pollution prevention, and professional development.

The Streets to the Sea interschool competition was conducted between April 1, 2015, and May 1, 2015. The competition challenged students to develop creative solutions to address the causes and impacts of stormwater pollution. These campaigns were aimed at fellow students to increase awareness of local water pollution issues and promoted behaviors that would reduce pollution entering their campus. Twelve schools were invited to the Streets to the Sea Awards celebration on May 21, 2015, at Walt Disney's Synergy Lab in Glendale, California. The following 10 schools participated in the awards ceremony: Alliance Ouchi-O'Donovan 6-12 Complex, Los Angeles; APEX Academy High School, Hollywood; Hughes Middle School, Long Beach; Jefferson Leadership Academies, Long Beach; Thomas Starr King Middle School, Los Angeles; Los Angeles Senior High School, Los Angeles; Los Angeles Teacher Preparatory High School, Los Angeles; Mary Star of the Sea High School, San Pedro; Orville Wright Middle School, Los Angeles; and STEAM Academy at Burke Middle School, Pico Rivera.

Hughes Middle School was the winning school for the middle school division. As the top winning school, the school received a free field trip to the floating lab in the City of Long Beach. A total of 175 students from the top 11 schools directly worked on these projects, potentially reaching 10,250 students on their school campuses.

During the traditional school year, Generation Earth worked with 48 teachers from 42 schools. Generation Earth reached approximately 9,000 students who were directly taught through service learning projects, which potentially impacted approximately 75,200 students.

Six Generation Earth workshop email blasts were sent to approximately 2,585 teachers/school administrators reaching 2,100 schools. A total of 12 email blasts were sent reminding teachers of the workshops. Ten ads were also published in various media publications to promote the workshops which resulted in approximately 2,400,000 media impressions.

The LACFCD's elementary school education program, Environmental Defenders, reached 223,000 students at 460 schools. In addition, LACFCD staff attended the following community events: Santa Clarita Day for Kids; Cabrillo Marine Aquarium Earth Day; Latino Book and Family Festival; Los Angeles Environmental Education Fair; STAR Eco Station Children's Earth Day; Santa Monica Festival; Lotus Festival; and SoRo Festival. Approximately 80,500 adults/children were reached with various environmental messages on the four Rs (Reduce, Reuse, Recycle, and Rethink), stormwater pollution, and household hazardous waste.

Nine Environmental Defenders program e-mail blasts were sent to 2,362 teachers/administrators at schools with grades K-6 in Los Angeles County that are registered with the California Department of Education, potentially reaching approximately 806,000 students. These e-mail blasts contained a link to the Teacher Resource Packet on the Environmental Defenders' website, which provided teachers with additional resources to reinforce the environmental messages in the classroom and promoted the program's assembly presentation which is offered to public and private elementary schools in the County at no cost to the schools.

As part of its efforts to educate school children on stormwater pollution, the LACFCD served as a member of the Steering Committee for the annual

Los Angeles County Environmental Education Fair (LAEEF) event, coordinated by the Los Angeles County Office of Education, other participating agencies, and stakeholders. Approximately 1,800 participants attended the event. The LACFCD supported this event by designing the flyer to promote the event (Attachment E).

e) Did you provide all schools within each school district in Los Angeles County with materials necessary to educate a minimum of 50 percent of all school children (K-12) every 2 years on storm water pollution *(Principal Permittee only*)? Yes ☒ No ☐

If not, explain why.

N/A

f) Describe the strategy developed to measure the effectiveness of in-school educational programs, including assessing students' knowledge of storm water pollution problems and solutions before and after educational efforts *(Principal Permittee only).*

Student focus groups were conducted through the Environmental Defenders program in FY 2014-15 (Attachment F). The focus groups were conducted to evaluate the effectiveness of the Environmental Defenders program and the student's awareness of environmental issues. Pre and post program assessments of students will be conducted during the next reporting period.

The Generation Earth program conducted a student pre and post survey, teacher focus group, and a teacher on-line survey. The results of the teacher on-line survey will be reported during the next reporting period.

For Permit Years 2-5, attach an assessment of the effectiveness of in-school storm water education programs.

See Attachment G

g) What is the behavioral change target that was developed based on sociological data and other studies *(Principal Permittee only)?*

Below are the numerical behavioral change targets approved by the Regional Board in May 2002. The numerical targets reflect an anticipated reduction in polluting behaviors.

- **Dumping motor oil into storm drains to 2% from 6%.**
- **Littering to 10% from 13%.**
- **Hosing leaves and dirt into the street to 9% from 12%.**
- **Dumping directly into the storm drains to 2% from 5%.**
- **Dropping cigarette butts on the ground to 12% from 16%.**
- **Leaving dog droppings on the ground to 1% from 4%.**
- **Rinsing out paintbrushes into the street to 2% from 6%.**
- **Emptying a car ashtray into the street to 1% from 3%.**

If no target has been developed, explain why and describe the status of developing a target.

N/A

What is the status of meeting the target by the end of Year 10?

The LACFCD continued implementing public education campaigns designed to mitigate stormwater pollution in the County of Los Angeles and improve inland and coastal communities.

To evaluate the effectiveness of the campaign, the LACFCD conducted a baseline study in 1997; Countywide segmentation studies in 2001 and 2005; and annual surveys in 2006, 2007, and 2008. Survey findings from the 2008 survey were reported in the 2008-2009 reporting period annual report. It is anticipated that the next survey will be conducted during FY 2016-17.

4. Pollutant-Specific Outreach

a) Attach a description of each watershed-specific outreach program that your agency developed *(Principal Permittee only).* All pollutants listed in Table 1 (Section B.1.d.) must be included.

See Attachment H

b) Did your agency cooperate with the Principal Permittee to develop specific outreach programs to target pollutants in your *area*?

N/A

c) Did your agency help distribute pollutant-specific materials in your city?

N/A

d) Describe how your agency has made outreach material available to the general public, schools, community groups, contractors and developers, etc…

The LACFCD provided campaign collateral materials to permittees who requested them. Also, the LACFCD provided campaign collateral materials for various community and outreach events coordinated by other DPW divisions, Board of Supervisors, and outside agencies.

5. Businesses Program

a) Briefly describe the Corporate Outreach Program that has been developed to target gas stations and restaurant chains *(Principal Permittee only).*

The LACFCD coordinated a newspaper buy on the topics of Restaurant and Retail Gas Outlet Best Management Practices (BMPs) through the *Los Angeles Business Journal.* The half page ads ran on June 22, 2015, and June 29, 2015. The Restaurant BMP ad also ran online from June 24, 2015, and June 30, 2015, on the California Restaurant Association website calrest.org as a vertical banner.

b) How many corporate managers did your agency *(Principal Permittee only)* reach last year?

20,000

c) What is the total number of corporations to be reached through this program *(Principal Permittee only)*?

28

d) Is your agency meeting the requirement of reaching all gas station and restaurant corporations once every two years *(Principal Permittee only)*? Yes ☒ No ☐

If not, describe measures that will be taken to fully implement this requirement.

N/A

e) Has your agency developed and/or implemented a Business Assistance Program? Yes ☐ No ☒

If so, briefly describe your agency's program, including the number of businesses assisted, the type of assistance, and an assessment of the program's effectiveness.

N/A

6. Did you encourage local radio stations and newspapers to use public service announcements? Yes ☒ No ☐

How many media outlets were contacted?

All media outlets within the County were contacted through media wire services and/or direct contact.

Which newspapers or radio stations ran them?

Public service announcements and other earned media placements were aggressively pursued as a tactic of the LACFCD's Stormwater PIPP. During the reporting period, DPW stormwater/urban runoff messages appeared in the following media: *La Opinion*; KLAX 97.9; KSCA FM 101.9; and *El Clasificado.*

Who was the audience?

The audience included members of the general public and Spanish speaking residents.

7. Did you supplement the County's media purchase by funding additional media buys?

N/A

Estimated dollar value/in-kind contribution:

N/A

Type of media purchased:

N/A

Frequency of the buys:

Did another agency help with the purchase?

N/A

8. Did you work with local business, the County, or other Permittees to place non-traditional advertising? Yes ☐ No ☒

If so, describe the type of advertising.

N/A

9. Did you establish local community partnerships to distribute educational storm water pollution prevention material? Yes ☒ No ☐

Describe the materials that were distributed:

Approximately 2,475 flyers promoting used motor oil and used oil filter events were distributed by local businesses, libraries, and community organizations to promote the events through the CBO outreach component of the Used Motor Oil and Used Oil Filter Recycling program, which achieved approximately 30,100 impressions.

Who were the key partners?

CBO partners for the Used Motor Oil and Oil Filter Recycling program included local government agencies, public libraries, community centers, recycling centers, faith-based organizations, and auto related businesses and corporate partners O'Reilly and AutoZone.

Who was the audience (businesses, schools, etc.)?

The audience included members of the general public.

10. Did you participate in or publicize workshops or community events to discuss storm water pollution? Yes ☒ No ☐

    How many events did you attend?

    221

11. Does your agency have a website that provides storm water pollution prevention information? Yes ☒ No ☐

    If so, what is the address? **www.CleanLA.com**

12. Has awareness increased in your community regarding storm water pollution? Yes ☒ No ☐

    Do you feel that behaviors have changed? Yes ☒ No ☐

    Explain the basis for your answers. Include a description of any evaluation methods that are used to determine the effectiveness of your agency's outreach.

    The LACFCD conducted event surveys at all of the special events and the used oil filter exchange events as we have in the past for previous grant cycles. A total of 1,383 event surveys were completed at the events.

    The survey consisted of 14 questions and was offered in English, Chinese, and Spanish. In-language representatives were present at each event to help those who needed assistance in completing the survey. During this reporting period, 38.3% were 51 years of age or older as compared to 36% last year. Respondents who change their own motor oil were 71.3% this year compared to 54% the previous year with 71.5% of the respondents this year disposing of their used motor oil and used oil filters at a local CCC compared to 56% to last year.

    The event survey results indicated that overall, Hispanic respondents learned about the events through print (34.4%) and radio (12.3%). Most people specified on the surveys that they heard about the event through El Aviso magazine, *El Clasificado*, *La Opinion*, and *Hoy* publications. While 62% of the total Hispanic media budget was spent on radio buys this reporting period, according to the survey results, radio accounted for only 12.3% of Hispanic attendees. Since radio broadcasts did not occur at the events, this may have attributed to less radio participants. Paid media was not coordinated for the General or Chinese markets. Coverage for those markets was generated through media outreach impressions, which consisted of

press releases and free event announcements resulting in 5,500,000 impressions.

13. How would you modify the storm water public education program to improve it on the City or County level?

    The LACFCD will implement a modified PIPP pursuant to the 2012 MS4 Permit, which will include assessment and enhancing public education materials.

B. Industrial/Commercial Facilities Program (Part 4.C) – Not applicable to the LACFCD

1. Critical Source Inventory Database

   Did you (individually or jointly) update the Database for Critical Sources Inventory? Yes ☐ No ☐

   N/A

   Comments/Explanation/Conclusion: **N/A**

2. Inspection Program

   Provide the reporting data as suggested in the following tables.

Category	Initial Number of Facilities at the start of cycle proposed for inspection by categories (after the initial year, the updated number based on the new data)	Number of facilities inspected in the current reporting year	% Completed at the time of this report for present cycle (from the initial value, and from the updated value after first cycle)	Total number since permit adoption
Landfills	**N/A**			
TSDF				
Auto				
RGO				
Restaurants				
Tier 1				
Tier 2				
Mandatory				

Comments/Explanation/Conclusion:

N/A

3. BMPs Implementation

Provide the reporting data as suggested in the following table.

Category	Number of facilities inspected by category in this reporting year	Number of facilities identified as adequately implementing BMPs as specified in this reporting year	% adequately implementing out of total in this reporting year	Number of facilities required to implement or upgrade in this reporting year	Number of facilities inspected by category in this reporting cycle	Number of facilities identified as adequately implementing BMPs as specified in this reporting cycle	% adequately implementing out of total in this reporting cycle	Number of facilities required to implement or upgrade in this reporting cycle	Total Number during this permit adequately implementing	Total Number during this permit required to implement or upgrade
Landfills	**N/A**									
TSDF										
Auto										
RGO										
Restaurant										
Tier 1										
Tier 2										
Mandatory										

Comments/Explanation /Conclusion:

N/A

4. Enforcement Activities

Provide the reporting data as suggested in the following tables.

Enforcement Actions by categories (e.g. Warning letter, NOV, referral to D.A., etc.)	Number of facilities issued enforcement actions in the current reporting year	Number of facilities issued enforcement actions in the current reporting cycle	Number of facilities (re)inspected due to enforcement actions in current reporting year	Number of facilities (re)inspected due to enforcement actions in current reporting cycle	Number of facilities brought into compliance in the current reporting year	Number of facilities brought into compliance in current reporting cycle	Total number of enforcement actions since permit adoption (by category)
Information Notice	**N/A**						
Notice of Non-Compliance							
Notice of Violation							
Referral							
Other							

Facilities by category	Number of Warning letters	Number of NOVs	Number of Referral	Number of Other
Landfills	**N/A**			
Auto				
RGO				
Restaurants				
Tier 1				
Tier 2				
Mandatory				

Comments/Explanation /Conclusion:

N/A

5. Program Implementation Effectiveness Assessment

   Please give a brief assessment of the implementation of the program in removing pollutants from the storm water discharges. Please provide an explanation. Suggested improvements or adjustments based on the knowledge gained through this reporting period activities must be reflected in a change in the SQMP, if warranted.

   Highly Effective ☐ Somewhat Effective ☐ Non-effective ☐

   N/A

   Comments/Explanation/Conclusion:

   N/A

6. You must also submit a quarterly electronic submittal of your Industrial/Commercial Facilities Program activities.

   N/A

C. Development Planning Program (Part 4.D) – Not applicable to the LACFCD

1. Does your agency have a process to minimize impacts from storm water and urban runoff on the biological integrity of natural drainage systems and water bodies in accordance with requirements under CEQA, Section 404 of the CWA, local ordinances, and other legal authorities? Yes ☐ No☐ **N/A**

   Attach examples showing how storm water quality impacts were addressed in environmental documents for projects over the past year.

   N/A

2. Does your agency have procedures to include the following requirements in all priority development and redevelopment projects:

   N/A

   a) Maximize the percentage of permeable surfaces to allow more percolation of storm water into the ground? Yes ☐ No☐ **N/A**

   b) Minimize the quantity of storm water directed to impermeable surfaces and the MS4? Yes ☐ No☐ **N/A**

   c) Minimize pollution emanating from parking lots through the use of appropriate treatment control BMPs and good housekeeping practices? Yes ☐ No☐ **N/A**

   d) Provide for appropriate permanent measures to reduce storm water pollutant loads from the development site? Yes ☐ No☐ **N/A**

3. List the types and numbers of BMPs that your agency required for priority projects to meet the requirements described above.

   N/A

4. Describe the status of the development or implementation of peak flow controls in Natural Drainage Systems.

   N/A

5. Has your agency amended codes and/or ordinances to give legal effect to the SUSMP changes required in the Permit? Yes ☐ No☐ **N/A**

6. Describe the process your agency uses to include SUSMP design standards in new development and redevelopment project approvals.

   N/A

7. How many of each of the following projects did your agency review and condition to meet SUSMP requirements last year?

   N/A

   a) Residential
   b) Commercial
   c) Industrial
   d) Automotive Service Facilities
   e) Retail Gasoline Outlets
   f) Restaurants
   g) Parking Lots
   h) Projects located in or directly adjacent to or discharging directly to an environmentally sensitive area
   i) Total number of permits issued to priority projects

8. What is the percentage of total development projects that were conditioned to meet SUSMP requirements?

   N/A

9. How has your agency prepared to reduce the SUSMP threshold for industrial/commercial facilities to 1 acre from 100,000 square feet in 2003?

   N/A

10. After 2003, how many additional projects per year will require/did require implementation of SUSMP requirements as a result of the lower threshold?

    N/A

11. Does your agency participate in an approved regional or sub-regional storm water mitigation program to substitute in part or wholly SUSMP requirements for new development? Yes ☐ No☐ **N/A**

12. Has your agency modified its planning procedures for preparing and reviewing CEQA documents to consider potential storm water quality impacts and provide for appropriate mitigation? Yes ☐ No☐ **N/A**

    If no, provide an explanation and an expected date of completion.

    N/A

13. Did your agency update any of the following General Plan elements in the past year? **N/A**
    a) Land Use Yes ☐ No ☐
    b) Housing Yes ☐ No ☐
    c) Conservation Yes ☐ No ☐
    d) Open Space Yes ☐ No ☐

    If yes, please describe how watershed and storm water quality and quantity management considerations were included.
14. How many targeted staff were trained last year? **N/A**
15. How many targeted staff are trained annually? **N/A**
16. What percentage of total staff are trained annually? **N/A**
17. Has your agency developed and made available development planning guidelines? Yes ☐ No☐ **N/A**
18. If no, what is the expected date that guidelines will be developed and available to developers?

    N/A
19. What is the status of completion of the technical manual for siting and design of BMPs for the development community?

    N/A

D. Development Construction Program (Part 4.E) – Not applicable to the LACFCD

1. Describe your agency's program to control runoff from construction activity at all construction sites within its jurisdiction.

   N/A
2. Does your agency require the preparation, submittal, and implementation of a Local Storm Water Pollution Prevention Plan (Local SWPPP) prior to the issuance of a grading permit for all sites that meet one or all of the following criteria? **N/A**
   a) Will result in soil disturbance of one acre or greater Yes ☐ No ☐
   b) Is within, directly adjacent to, or is discharging directly to an environmentally sensitive area Yes ☐ No ☐
   c) Is located in a hillside area Yes ☐ No ☐
3. Attach one example of a local SWPPP

   N/A
4. Describe the process your agency uses to require proof of filing a Notice of Intent for coverage under the State General Construction Activity Storm Water permit and a certification that a SWPPP has been prepared prior to issuing a grading permit?

   N/A
5. How many building/grading permits were issued to sites requiring Local SWPPPs last year? **N/A**

6. How many building/grading permits were issued to sites requiring coverage under the General Construction Activities Storm Water Permit last year? **N/A**
7. How many building/grading permits were issued to construction site less than one acre in size last year? **N/A**
8. How many construction sites were inspected during the last wet season? **N/A**
9. Complete the table below.

Type of Violation	# of Violations	% of Total Inspections	# of Follow-up Inspections	# of Enforcement Actions
Off-site discharge of sediment	**N/A**			
Off-site discharge of other pollutants				
No or inadequate SWPPP				
Inadequate BMP/SWPPP implementation				

10. Describe the process for taking enforcement actions against construction site violations, including the types of actions that are taken.

    N/A

11. Describe the system that your agency uses to track the issuance of grading permits.

    N/A

E. Public Agency Activities (Part 4.F)

1. Sewage System Maintenance, Overflow, and Spill Prevention (only applicable to agencies that own and/or operate a sanitary sewer system)

   a) Has your agency developed and implemented a response plan for sanitary sewer overflows that includes the requirements in Order 01-182? Yes ☐ No☐ **N/A**

   b) How many sanitary sewer overflows occurred within your jurisdiction? **N/A**

   c) How many did your agency respond to? **N/A**

   d) Did your agency investigate all complaints received? Yes ☐ No☐ **N/A**

   e) How many complaints were received? **N/A**

   f) Upon notification, did your agency immediately respond to overflows by containment? Yes ☐ No☐ **N/A**

   g) Did your agency notify appropriate sewer and public health agencies when a sewer overflowed to the MS4? Yes ☐ No☐ **N/A**

h) Did your agency implement a program to prevent sewage spills or leaks from sewage facilities from entering the MS4? Yes ☐ No☐ **N/A**

If so, describe the program:

N/A

i) Did your agency implement a program to identify, repair, and remediate sanitary sewer blockages, exfiltration, overflow, and wet weather overflows from sanitary sewers to the MS4? Yes ☐ No☐ **N/A**

If so, describe the program:

N/A

2. Public Construction Activities Management

a) What percentage of public construction sites 5 acres or greater in size did your agency obtain coverage under the State of California General Construction Activities Storm Water Discharge Permit? **100%**

b) Give an explanation for any sites greater than 5 acres that were not covered:

N/A

c) What is the total number of active public construction sites? **0**

How many were 5 acres or greater in size? **0**

d) (After March, 2003) Did your agency obtain coverage under the State of California General Construction Activities Storm Water Discharge Permit coverage for public construction sites for sites one acre or greater? Yes ☒ No☐

3. Vehicle Maintenance/Material Storage Facilities/Corporation Yards Management

a) Did your agency implement pollution prevention plans for each public vehicle maintenance facility, material storage facility, and corporation yard? Yes ☒ No☐

b) Briefly describe how your agency implements the following, and any additional, BMPs to minimize pollutant discharges in storm water:

(1) <u>Good housekeeping practices</u>

All LACFCD facilities implement appropriate good housekeeping BMPs to minimize pollution. The facilities are monitored by the yard supervisor and staff. For example, storm drain inlets and facility grounds are routinely maintained to remain debris-free. Parking lots at LACFCD maintenance yards are inspected twice a month and swept at least once a month. Staff is trained regularly through routine tailgate meetings where good housekeeping practices and recordkeeping are discussed. In addition, internal inspections are conducted regularly, above and beyond the permit requirements. Staff regularly inspects the LACFCD yards and facilities and consults with yard supervisors when necessary to assure that good housekeeping measures are implemented as required.

(2) <u>Material storage control</u>

Materials are stored indoors where possible. When materials are stored

outdoors, the LACFCD implements appropriate BMPs, such as covering materials with tarps or canopies. Furthermore, where appropriate, berms are installed to prevent displacement due to runoff.

(3) <u>Vehicle leaks and spill control</u>

All LACFCD vehicle maintenance facilities, including auto fueling and repair areas, are equipped with spill kits on-site in a readily accessible location. Drip pans, absorbent pads, and powdered clay (kitty litter) are used under leaky vehicles or vehicles being serviced until repairs are completed. Liquid spills are prevented by secondary containment. Maintenance facilities have added spill pans underneath permanent parking stalls for maintenance trucks. Wastes are properly labeled and separated. Education and spill response plans are placed at pertinent facilities and employees are trained regularly to ensure they know the proper procedures.

(4) <u>Illicit discharge control</u>

Sand bags or other containment devices are placed around catch basin inlets at storage facilities to prevent illicit discharges. Staff receives regular training on preventing and responding to illicit discharges. Response protocols are compiled and documented in a procedural manual.

c) Are all Permittee owned and/or operated vehicle/equipment wash areas self-contained, covered, equipped with a clarifier, and properly connected to the sanitary sewer? Yes ☒ No☐

If not, what is the status of implementing this requirement?

Maintenance yards have self-contained, covered vehicle/equipment wash areas equipped with clarifiers that are connected to the sanitary sewer. When necessary, vehicles are taken to a local car wash or to another maintenance yard with a properly equipped wash area or a waste water clarifier. In addition, vehicle washing activities abide by the new car wash guidelines implemented by the County in October 2015 that restrict the frequency of water-based car washing for all County Departments.

d) How many Permittee owned and/or operated vehicle/equipment wash areas are scheduled to be redeveloped to include the BMPs listed above?

0

4. Landscape and Recreational Facilities Management

a) Has your agency developed a standardized protocol for the routine and non-routine application of pesticides, herbicides (including pre-emergents), and fertilizers? Yes ☒ No☐

Briefly describe this protocol:

The LACFCD follows all Federal, State, and local laws pertaining to the purchase, storage, and use of pesticides and herbicides. In addition, LACFCD employees observe all EPA instructions on the product label of all pesticides and herbicides. They also follow established County precepts for the storage of these supplies. The County of Los Angeles's Agricultural Commissioner/Weights and Measures (ACWM) provides training and certifies pertinent LACFCD personnel in pesticide application on ground surfaces. In some cases, independent licensed vendors or landscaping contractors are retained. They are required to follow all applicable

laws, regulations, and protocols as described in their contracts.

Pursuant to the 2012 MS4 Permit, the LACFCD has developed an Integrated Pest Management Program.

b) How does your agency ensure that there is no application of pesticides or fertilizers immediately before, during, or immediately after a rain event or when water is flowing off the area to be applied?

Maintenance supervisors oversee the timing of these applications to avoid potential discharges due to rain or sprinklers. Staff is trained on the proper use and storage of pesticides, herbicides, and fertilizers. Spraying activities are scheduled well in advance and only during dry weather with no rain in the forecast. All weather reports are monitored carefully. The LACFCD staff does not apply chemicals or fertilizer during rainy weather conditions. Contractors are required to follow the same protocols, which are included in construction documents, plans, and specifications.

c) Are any banned pesticides, herbicides, fungicides, or rodenticides stored or applied in your agency's jurisdiction that you know of? Yes ☐ No☒

If so, list them:

N/A

d) What percentage of your agency's staff that apply pesticides are certified by the California Department of Food and Agriculture, or are under the direct supervision of a certified pesticide applicator? **100%**

e) Describe procedures your agency has implemented to encourage retention and planting of native vegetation and to reduce water, fertilizer, and pesticide needs:

The LACFCD typically incorporates drought tolerant plants, native vegetation, and other vegetative species known to thrive in the southern California climate zone into landscaping projects. In most cases mulch is used to retain moisture and prevent weed growth.

The LACFCD follows the recently developed and adopted an Integrated Pest Management Program.

5. Storm Drain Operation and Management

a) Did your agency designate catch basin inlets within its jurisdiction as Priority A; Priority B; and Priority C? Yes ☒ No ☐

b) How many of each designation exist in your jurisdiction?

Priority A:	**1,561**
Priority B:	**629**
Priority C:	**79,550**

c) Is your city subject to a trash TMDL? Yes ☒ No☐

d) If yes, describe the activities and/or implementation measures that your agency conducted pursuant to the TMDL and any other trash reduction efforts that occurred.

The LACFCD has implemented the following efforts in their routine maintenance

operations.

- **"Trash Free" Channel Contracts for cleaning channel inverts of trash and debris.**
- **Contracts to remove trash and debris from the rights of way of channels.**
- **LA River Trash and Debris Collection Contract to remove trash and debris at the southern sector of the river.**
- **Maintain trash booms on Los Angeles River, Dominguez Channel, Wilmington Drain, Los Cerritos Channel and Ballona Creek.**
- **Catch Basin Cleanout Contracts to clean all catch basins.**
- **Catch Basin Maintenance Contracts to clean and maintain catch basins retrofitted with trash excluder devices.**
- **In addition, the LACFCD has issued permits to various co-Permittees for installation of catch basin screens and inserts on LACFCD facilities.**
- **A billboard campaign about stormwater pollution prevention generated over 1,260,000 impressions.**

e) How many times were all Priority A basins cleaned last year? **4**

f) How many times were all Priority B basins cleaned last year? **2**

g) How many times were all Priority C basins cleaned last year? **1**

h) How much total waste was collected in tons from catch basin clean-outs last year? **Approximately 630 tons**

i) Attach a record of all catch basins in your jurisdiction. This shall identify each basin as City or County owned, and Priority A, B, or C. For all basins that are owned and operated by your agency, include dates that each was cleaned out over the past year.

Records for catch basin maintenance are too voluminous to attach to this report; they can be provided separately upon request.

j) Did your agency place and maintain trash receptacles at all transit stops within its jurisdiction. **N/A** Yes ☐ No☐

k) How many new trash receptacles were installed last year? **N/A**

l) Did your agency place special conditions for events that generated substantial quantities of trash and litter including provisions that:

(1) Provide for the proper management of trash and litter generated from the event? **N/A** Yes ☐ No☐

(2) Arrange for temporary screens to be placed on catch basins? **N/A** Yes ☐ No☐

(3) Or for catch basins in that area to be cleaned out subsequent to the event and prior to any rain? **N/A** Yes ☐ No☐

m) Did your agency inspect the legibility of the catch basin stencil or labels? Yes ☒ No☐

What percentage of stencils were legible? **Over 90%**

n) Were illegible stencils recorded and re-stenciled or re-labeled within 180 days of inspection? Yes ☒ No☐

o) Did your agency visually monitor Permittee-owned open channel storm drains and other drainage structures for debris at least annually and identify and prioritize problem areas of illicit discharge for regular inspection? Yes ☒ No☐

Is the prioritization attached? Yes ☐ No☒

Records are too voluminous to attach to this report but can be provided separately upon request.

p) Did your agency review its maintenance activities to assure that appropriate storm water BMPs are being utilized to protect water quality? Yes ☒ No☐

What changes have been made?

No significant changes were made during this reporting period. The LACFCD continues to review all standard maintenance procedures and use of BMPs to assure that they are being utilized appropriately as part of an overall iterative and adaptive strategy to improve urban and storm runoff quality. New or improved BMPs are evaluated and may be implemented as a pilot study.

q) Did your agency remove trash and debris from open channel storm drains a minimum of once per year before the storm season? Yes ☒ No☐

r) How did your agency minimize the discharge of contaminants during MS4 maintenance and clean outs?

The LACFCD primarily relies on manual labor for MS4 maintenance and cleanouts. Heavy machinery is utilized as needed. Contractors are responsible for minimizing the discharge of contaminants during these operations. In addition, the LACFCD followed all appropriate measures recommended in the California Stormwater Quality Association BMP Handbook to minimize the dispersal of contaminants.

s) Where is removed material disposed of?

Material is brought to a drying bed for moisture removal. Then, it is dumped into solid waste bins and transported to an authorized disposal facility center or legal dump site.

6. Streets and Roads Maintenance

a) Did your agency designate streets and/or street segments within its jurisdiction as one of the following:

(1) Priority A – streets and/or street segments that are designated as consistently generating the highest volumes of trash and/or litter? Yes ☐ No☐

N/A

(2) Priority B - streets and/or street segments that are designated as consistently generating moderate volumes of trash and/or litter? Yes ☐ No☐

N/A

(3) Priority C – streets and/or street segments that are designated as generating low volumes of trash and/or litter? Yes ☐ No☐

N/A

b) Did your agency perform all street sweeping in compliance with the permit and according to the following schedule:

(1) Priority A – These streets and/or street segments shall be swept at least two times per month? Yes ☐ No☐

N/A

(2) Priority B - Each Permittee shall ensure that each streets and/or street segments is cleaned at least once per month? Yes ☐ No☐

N/A

(3) Priority C – These streets and/or street segments shall be cleaned as necessary but in no case less than once per year? Yes ☐ No☐

N/A

c) Did your agency require that saw cutting wastes be recovered and disposed of properly and that in no case shall waste be left on a roadway or allowed to enter the storm drain? **N/A** Yes ☐ No☐

d) Did your agency require that concrete and other street and road maintenance materials and wastes be managed to prevent pollutant discharges? **N/A** Yes ☐ No☐

e) Did your agency require that the washout of concrete trucks and chutes only occur in designated areas and never into storm drains, open ditches, streets, or catch basins leading to the storm drain system? **N/A** Yes ☐ No☐

f) Did your agency train its employees in targeted positions (whose interactions, jobs, and activities affect storm water quality) regarding the requirements of the storm water management program to:

(1) Promote a clear understanding of the potential for maintenance activities to pollute storm water? and Yes ☒ No☐

(2) Identify and select appropriate BMPs? Yes ☒ No☐

7. Parking Facilities Management

a) Did your agency ensure that Permittee-owned parking lots be kept clear of debris and excessive oil buildup and cleaned no less than 2 times per month and/or inspected no less than 2 times per month to determine if cleaning is necessary. Yes ☒ No☐

Some parking lots are swept as often as once per week.

b) Were any Permittee-owned parking lots cleaned less than once a month? Yes ☐ No☒

How many? **N/A**

8. Public Industrial Activities Management

   a) Did your agency, for all municipal activity considered an industrial activity under USEPA Phase I storm water regulations, obtain separate coverage under the State of California General Industrial Activities Storm Water Discharge Permit no later than December 31, 2001? Yes ☐ No☐ **N/A**

   b) Does your agency serve a population of less than 100,000 people? Yes ☐ No☒

9. Emergency Procedures

   a) In case of real emergencies, did your agency repair essential public services and infrastructure in a manner to minimize environmental damage? Yes ☒ No☐

   b) Were BMPs implemented to the extent that measures did not compromise public health and safety? Yes ☒ No☐

10. Feasibility Study

   a) Did your agency cooperate with the County Sanitation Districts of Los Angeles County to prepare a study which investigates the possible diversion of dry weather flows or the use of alternative treatment control BMPs? Yes ☒ No☐

   b) Did your agency review its individual prioritized list and create a watershed based priority list of drains for potential diversion and submit a listing of priority diversions to the Regional Board Executive Officer? Yes ☒ No☐

F. Illicit Connections and Illicit Discharges (IC/ID) Elimination Program

1. Attach a copy of your agency's IC/ID Elimination Implementation Program (Part 4.G.1.a.).

   The IC/ID Elimination Program Manual employed by the LACFCD was updated to incorporate the IC/ID Program requirements per the 2012 MS4 Permit. The updated Manual can be downloaded at http://dpw.lacounty.gov/wmd/NPDES/model_links.cfm.

2. Attach a map of your storm drain system showing all permitted connections (if available), and the locations of all illicit connections and discharges that occurred last year (Part 4.G.1.b). If your agency has not completed this requirement, describe the status of the development of a baseline map, including an expected completion date.

   The LACFCD's storm drain system is viewable online at:
   http://dpw.lacounty.gov/LACFCD/SWQ/files/LACFCDICIDEliminationProgramManual.pdf.

   Information about permitted and suspected illicit connections is stored on an internal database (Maintenance Management System or MMS). The records are too voluminous to include in this report but can be provided separately upon request. See questions 10 and 13 for further details.

3. Describe your enforcement procedures for eliminating illicit discharges and terminating illicit connections.

Illicit Connections:

Step 1) DPW's Land Development Division (LDD) receives reports of suspected connections ("Gray Sheets") from DPW's FMD.

Step 2) The Gray Sheets are entered or documented in the MMS and unique equipment (ID) numbers are assigned.

Step 3) LDD inspectors are assigned the Gray Sheets for investigation.

Step 4) Investigate (attempt to identify the source of the drain) and confirm the responsible party for the illicit connection.

Step 5) Inform the owner of the property as to the existence of an illicit connection and request a meeting to discuss it.

Step 6) Inform the responsible party that they are required to terminate the illicit connection or face fines.

Step 7) Follow-up inspection within 10 days to enforce and/or ensure that the responsible party is complying with the requirements.

Step 8) If the illicit connection is not capped within 10 days, write a Notice of Violation (NOV) letter requesting resolution and describing in detail the consequences.

Step 9) If no action by property owner, the second letter is sent in 30 days of follow-up inspection, and the third in 60 days of the follow-up inspection.

Step 10) If no action by property owner after the third letter, County Counsel is notified to pursue litigation.

Step 11) The inspector documents and records inspection details and the resolution of the investigation in Electronic Development And Permit Tracking System (E-DAPTS)

Illicit Discharges:

Field staff immediately responds to reported spills and discharges, barricades the area, and contains any observed spills or discharges. Field staff then calls a vendor for immediate clean up and files a Hazardous Material Release Response (HMRR) report. If a responsible party of the spill is identified, he/she will be billed for the cleanup. Situations requiring formal enforcement (e.g., warning letter, NOV, referral to District Attorney, etc.) are referred to DPW's EPD. EPD follows the progressive enforcement procedures for eliminating illicit discharges outlined in its "Illicit Discharge Response Procedures" manual, which is included as an Attachment in the LACFCD's updated IC/ID Elimination Program Manual.

4. Describe your record keeping system to document all illicit connections and discharges.

Different record keeping systems are employed to document illicit connections and illicit discharges, as described below.

Illicit Connections

A report ("Gray Sheet") is submitted to LDD for each suspected illicit connection. The illicit connections are entered into the MMS and unique equipment numbers are assigned. The data in MMS interfaces with E-DAPTS, which allows the LDD

inspectors to access the equipment number and other pertinent information to conduct the investigation. Once the investigation is complete, E-DAPTS interfaces with MMS with the details of the investigation and resolution. All related documents and photos are scanned into DPW's Document Management System (DMS) and tied to the specific DPW Request for Service (RFS) case file. In addition, the hard copy files are stored for reference. Reports for illicit connections are generated monthly.

Illicit Discharges

After responding and cleaning up of spills/discharges, field staff will document the discharge and gather any relevant information in a HMRR report. The information is entered into the MMS.

Illicit discharge complaints and referrals to EPD are initially documented in the HMS database program and an inspection/investigation is created. If the discharge is determined not to be the responsibility of the LACFCD, the complaint is referred to the appropriate agency. If an illicit discharge is discovered during the inspection/investigation and the discharge ceases with no further follow up actions required, the complaint is closed out. If the discharge requires further action(s) by EPD, a follow up will be done. A violation will be created and/or a Notice will be issued.

5. What is the total length of open channel that your agency owns and operates? **481 miles**
6. What length was screened last year for illicit connections? **355.5 miles**
7. What is the total length of closed storm drain that your agency owns and operates? **3,200 miles**
8. What length was screened last year for illicit connections? **535 miles**
9. Describe the method used to screen your storm drains.

Underground Crews from DPW's FMD inspect LACFCD's underground storm drains as well as open channels. Drains with high probability of illicit connections are inspected yearly. Drains within industrial and commercial areas where illicit connections are most likely are inspected on a 3-year cycle. Drains within residential areas where illicit connections are least likely are inspected on a 6-year cycle. Each time the crews locate an illicit connection, they report it by taking a photograph and filling out a report ("Gray Sheet") that describes its location, size, type of pipe, and other valuable information. This information is then forwarded to LDD for further investigation.

10. Provide the reporting data for illicit connections as suggested in the following table (you may submit a spreadsheet from your database that contains the information).

Year	Total # reported/ identified	Total # investigated	# that conveyed exempt discharges or NPDES permitted	# that conveyed illicit discharges that were terminated	# that were removed	# that resulted in enforcement action	# that resulted in *other* actions
01/02	**494**	**494**	**398**	**24**	**24**	**0**	**0**
02/03	**1,563**	**1,410**	**85**	**53**	**70**	**112**	**42**
03/04	**1,375**	**1,247**	**89**	**81**	**64**	**12**	**56**
04/05	**1,352**	**1,203**	**523**	**40**	**98**	**15**	**18**
05/06	**1,079**	**934**	**819**	**49**	**35**	**10**	**21**
06/07	**479**	**479**	**226**	**21**	**20**	**0**	**36**
07/08	**775**	**677**	**426**	**21**	**12**	**0**	**218**
08/09	**534**	**346**	**262**	**19**	**21**	**0**	**46**
09/10	**409**	**354**	**219**	**30**	**37**	**0**	**68**
10/11	**99**	**97**	**68**	**5**	**12**	**0**	**12**
11/12	**170**	**127**	**95**	**15**	**35**	**0**	**9**
12/13	**83**	**79**	**63**	**9**	**16**	**0**	**1**
13/14	**60**	**64***	**38**	**9**	**26**	**0**	**0**
14/15	**62**	**50**	**40**	**9**	**11**	**0**	**0**

* The illicit connections investigated this reporting year (i.e., Year 13/14) include the 4 illicit connections that were identified during Year 12/13 but were not investigated during that year.

11. Explain any other actions that occurred in the last year.

None

12. What is the average time it takes your agency to initiate an illicit connection investigation after it is reported? **Up to 21 days**

a) Were all identified connections terminated within 180 days? Yes ☒ No☐

b) If not, explain why.

N/A

13. Provide the reporting data for illicit discharges as suggested in the following table (you may submit a spreadsheet from you database that contains this information).

Year	Total # reported	Total # that were discontinued/ cleaned up voluntarily through enforcement and the source was identified	# that were cleaned up but the source could not be identified	# that resulted in no evidence of discharge	# that were determined to be conditionally exempt	# that were exempt or in compliance and the source identified	# that resulted in enforcement action
01/02	**495**	**102**	**52**	**5**	**3**	**3**	**1**
02/03	**631**	**137**	**131**	**0**	**1**	**1**	**1**
03/04	**265**	**146**	**20**	**44**	**4**	**0**	**0**
04/05	**203**	**136**	**34**	**59**	**2**	**2**	**6**
05/06	**204**	**153**	**31**	**37**	**0**	**0**	**11**
06/07	**221**	**162**	**42**	**16**	**0**	**0**	**9**
07/08	**223**	**138**	**78**	**7**	**0**	**0**	**11**
08/09	**151**	**102**	**36**	**12**	**0**	**1**	**0**
09/10	**88**	**53**	**6**	**29**	**0**	**0**	**0**
10/11	**51**	**48**	**3**	**0**	**0**	**0**	**0**
11/12	**87**	**85**	**2**	**14**	**0**	**0**	**0**
12/13	**178**	**175**	**3**	**8**	**0**	**0**	**0**
13/14	**93**	**87**	**6**	**0**	**0**	**0**	**0**
14/15	**89**	**82**	**7**	**0**	**0**	**0**	**0**

14. What is the average response time after an illicit discharge is reported? **2 hours to less than 1 business day**

    a) Did any response times exceed 72 hours? Yes ☐ No☒

    b) If yes, explain why.

    N/A

15. Describe your agency's spill response procedures.

    Existing spill response procedures are described in the updated LACFCD IC/ID Elimination Program Manual that includes a spill response plan.

    Field staff responds to spills immediately after being notified. The staff's role is to assess and contain the spill. Staff ensures that the affected area is secured and cleaned. A vendor from an approved list is called in to do the actual cleanup. Staff documents the spill and gathers any relevant information on HMRR. This information is then entered into a database for tracking.

16. What would you do differently to improve your agency's IC/ID Elimination Program?

    The newly updated spill investigation and response plan is expected to improve program performance.

17. Attach a list of all permitted connections to your storm sewer system.

    Please see Attachment I for a list of connections that were permitted during this reporting period.

Note: **Please see Attachment C for a summary of the LACFCD's activities with respect to the Minimum Control Measures requirements per the 2012 MS4 Permit.**

V. Monitoring

Briefly describe any storm water monitoring activities that are not required by Order No. 01-182 that your municipality conducted, participated in, or received funding to conduct in the past fiscal year. These activities should correspond with the dollar amount you listed in Table 2.

In accordance with the 2012 MS4 Permit, during this reporting year, the LACFCD continued to conduct the Stormwater Monitoring Program of the 2001 MS4 Permit. Please see Attachment J for this year's Annual Stormwater Monitoring Report.

The LACFCD also participated with other permittees in various TMDL monitoring and implementation activities pursuant to the 2012 MS4 Permit. A summary of these activities is included in Attachment K.

The LACFCD also participated in the following:

- **Dominguez Gap Wetlands Effectiveness Monitoring**

  In January 2015, a new monitoring program was implemented at the Dominguez Gap Wetlands. The goal of the program is to assess the effectiveness of the wetlands in treating urban runoff. Specifically, the monitoring data will be used to quantify pollutant concentrations and load reduction, determine the overall health of the wetlands, and assess temporal and spatial trends. The program will continue through 2017.

- **Los Angeles River Watershed-wide Monitoring Program (LARWMP)**

  Initiated in 2008 and led by the Council for Watershed Health, this regional monitoring program was designed to answer basic questions that help to characterize the watershed and measure the health of the waterbodies in the watershed: During this reporting period, the LACFCD and other stakeholders continued to provide the support and resources needed to implement this program. The program involves a multi-level monitoring framework that combines probabilistic and targeted sampling for water quality, toxicity, and bio-assessment and habitat condition. The LACFCD's main contribution is focused on bio-assessments, which involves the collection of macro-invertebrates, calculation of IBI scores, and assessment of the physical habitat and bio-diversity of the channel/stream. The program is currently on its second five-year cycle of monitoring. A State of the Watershed Report was prepared based on the data collected during the first five-year cycle. The report can be accessed through the Council for Watershed website for this project.

- **San Gabriel River Regional Monitoring Program (SGRRMP)**

  Similar to the LARWMP, the SGRRMP was designed to answer the same basic questions about the health of the watershed. Since 2005, the LACFCD and other stakeholders have been combining resources to help implement this multi-level monitoring effort that combines probabilistic and targeted sampling for water quality, toxicity, and bio-assessment. This year, Aquatic Bioassay Consulting Laboratories, Inc. (ABC Labs) is leading this regional monitoring effort. The LACFCD's main contribution to this program is focused on bio-assessments, which involves the collection of macro-invertebrates,

calculation of IBI score, and assessment of the physical habitat and bio-diversity of the channel/stream. ABC Labs is currently working on the draft 2014 SGRRMP Annual Report, which analyzes the overall health of the watershed, trends in water quality, compliance with water quality objectives, and impacts to beneficial uses.

- **Sun Valley Park Drain and Infiltration Project BMP Effectiveness Monitoring**

  The LACFCD's BMP Effectiveness Monitoring Program for the Sun Valley Park Project is ongoing. Post-project storm sampling is conducted to determine the project components' efficiency in removing pollutants from the Sun Valley Park drainage area of the Los Angeles River Watershed. Results for the hydrodynamic separators have shown reductions in total suspended solids (TSS) and heavy metals. Results for the metals filtration unit (StormFilter) have been inconclusive. Additional monitoring data will be collected during the 2015-16 wet season. The results will be used to assess the effectiveness of the BMP and help guide the maintenance and operation of the facility.

- **Rory M. Shaw Wetlands Park Project Baseline Monitoring**

  The LACFCD continued to conduct wet weather sampling of runoff from the areas tributary to the proposed Rory M. Shaw Wetlands Park Project. The purpose of the monitoring is to establish baseline water quality and flow conditions prior to project construction. Baseline monitoring will continue to be conducted until the start of construction.

- **Area of Special Biological Significance (ASBS) 24 Monitoring**

  The LACFCD has been participating in the monitoring of ASBS 24 over the last 3 years. The LACFCD's involvement is twofold. For one, the LACFCD participated in the Bight'13 Regional ASBS monitoring efforts for the receiving water, which were coordinated by the Southern California Coastal Water Research Project (SCCWRP). Those efforts include Rocky Intertidal Biodiversity Monitoring, Bioaccumulation Monitoring, Chemistry and Toxicity Monitoring, and Stormwater Plume Tracking. These Regional studies were completed and final reports have been published by SCCWRP. Additionally, the LACFCD performed Outfall Discharge Monitoring along the ASBS in partnership with the County. Twenty (20) storm drains along ASBS 24 were monitored, nine (9) of which are owned by the LACFCD and eleven (11) are owned by the County. The Monitoring Report was submitted to the State Water Resources Control Board along with the ASBS draft Compliance Plan and draft Pollution Prevention Plan in September 2014. Presently, the County and LACFCD are planning to conduct a supplementary stormwater monitoring program for ASBS 24, specifically, to monitor the receiving water site and its associated core discharge for two additional storm events.

- **Bight'13 Regional Microbiology Study**

  The LACFCD, along with the LA County, is participating in the Bight'13 regional microbiology study project. The goal of the project is to assess the extent of human-associated fecal contamination in selected streams and drains that are directly discharging to the ocean or beaches. About twenty six sites are being sampled along four coastal counties, nine of which are located in Los Angeles County. The LACFCD and the LA County fund five of the sites. The sampling involves both dry and wet weather. The project is currently on-going with estimated completion date of spring 2017. The LACFCD and the LA County contributed $110,000 each, for a total of $220,000, towards this effort.

- **Oxford Retention Basin Monitoring Plan**

  A project performance study and monitoring plan is being prepared for the Oxford Retention Basin project. The study will track the project's progress in meeting the intended goals of the project associated with improving water quality, sediment quality, flood control,

and habitat enhancement. In order to effectively assess the performance of the project, both pre- and post-development monitoring will be conducted. In 2015, pre-project baseline monitoring was completed and the Baseline Characterization Report is currently being finalized.

- **<u>Walteria Monitoring Program Special Study</u>**

  In October 2014, the LACFCD along with the City of Torrance commenced a nutrient monitoring program for the Walteria Flood Control Basin, located in Machado Lake watershed. The goal of the project is to determine whether the Walteria Flood Control Basin contributes or removes pollutant loading from the stormwater and dry weather flow it receives. The first year of monitoring data was collected from October 2014 to October 2015. The LACFCD in collaboration with Torrance is currently preparing a monitoring report for the first year of monitoring data. Monitoring is expected to continue into a second year.

The LACFCD is also collaborating with other agencies through the CIMP process on monitoring requirements for the following TMDLs:

- **Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL**
- **Ballona Creek Metals and Estuary Toxic Pollutants TMDLs**
- **Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Species**
- **Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL**
- **Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL**
- **Los Angeles Area Lakes TMDLs for Legg Lake, Peck Road Park Lake, and Puddingstone Reservoir**
- **Los Angeles River and Tributaries Metals TMDL**
- **Los Angeles Harbor Bacteria TMDL**
- **Los Angeles River Watershed Bacteria TMDL**
- **Los Angeles River Nitrogen Compounds and Related Effects**
- **Los Cerritos Channel Metals TMDL**
- **Machado Lake Nutrients TMDL**
- **Machado Lake Toxics TMDL**
- **Malibu Creek and Lagoon Bacteria TMDL**
- **Malibu Creek Nutrient TMDL**
- **Marina del Rey Mother's Beach and Back Basins Bacteria TMDL**
- **Marina del Rey Harbor Toxics TMDL**
- **San Gabriel River and Impaired Tributaries Metals and Selenium TMDL**
- **Santa Clara River Nitrogen Compounds TMDL**
- **Santa Monica Bay Beaches Bacteria TMDL (Wet and Dry Weather)**
- **Santa Monica Bay Nearshore and Offshore Debris TMDL**
- **Santa Monica Bay TMDL for DDTs and PCBs**
- **Santa Clara River Estuary and Reaches 3, 5, 6, and 7 Indicator Bacteria TMDL**

Additionally, the LACFCD is collaborating with other agencies outside of the EWMP and CIMP process on the implementation of monitoring requirements for the following TMDLs:

- **Colorado Lagoon OC Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals TMDL**
- **Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL**

Please see Attachment K for a summary of the LACFCD's progress on annual monitoring in accordance with the TMDL reporting requirements prescribed in the 2012 MS4 Permit.

VI. Assessment of Program Effectiveness

A. Attach a summary of the effectiveness of your storm water management program. This summary should include, at a minimum, the following:

1. An assessment of your agency's compliance with permit requirements, based on your responses to the questions in this form;
2. Descriptions of any evaluation methods that your agency uses to determine the effectiveness of your storm water management program;
3. A summary of the strengths and weaknesses of your agency's storm water management program;
4. A list of specific program highlights and accomplishments;
5. A description of water quality improvements or degradation in your watershed over the past fiscal year;
6. Interagency coordination between cities to improve the storm water management program;
7. Future plans to improve your agency's storm water management program; and
8. Suggestions to improve the effectiveness of your program or the County model programs.

See Attachment L.

B. On a scale of 1 to 10 (10 being full implementation of requirements by their deadlines), rate your municipality's level of compliance with Order No. 01-182.

10 - The LACFCD has implemented all permit requirements.

C. List any suggestions your agency has for improving program reporting and assessment.

None at this time.

VII. Certification Statement

"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 a fine and imprisonment for knowing violations."

Executed on the 15th day of December 2015 at Alhambra, California.

Angela R. George, Assistant Deputy Director

Signature by duly authorized representative