



Los Angeles County Flood Control District
Annual Report
for
the Municipal Stormwater Permit

Order No. R4-2012-0175



Report Year
2013-2014

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INDIVIDUAL ANNUAL REPORT FORM

ORDER NO. R4-2012-0175

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 D 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 <i>Do not leave any of the sections blank.</i>
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.

This Report Form consists of the following sections:

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I. Program Management

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

B. Permittee Program Supervisor: **Frank Wu**

Title: **Senior Civil Engineer**

Address: **900 South Fremont Avenue**

City: **Alhambra**

Zip Code: **91803**

Phone: **(626) 458-4358**

Fax: **(626) 458-3534**

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 storm water quality program of the Los Angeles County Flood Control District (LACFCD) is coordinated by the Los Angeles County Department of Public Works (LACDPW), Watershed Management Division (WMD). The functions of the LACFCD are primarily carried out by three divisions within LACDPW: Watershed Management, Water Resources, and Flood Maintenance. As such, in implementing the storm water quality program of the LACFCD, WMD coordinates extensively with these other divisions. As-needed support services are also provided by other groups within LACDPW.

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.

TABLE 1 - Program Management

Storm Water Management Activity	Division/Department	# of Individuals Responsible for Implementing
1. Outreach & Education	LACDPW Flood Maintenance and Survey/Mapping Divisions and Public Relations Group	6
2. Industrial/Commercial Inspections	N/A	N/A
3. Construction Permits/Inspections	N/A	N/A
4. IC/ID Inspections	LACDPW Flood Maintenance and Land Development Divisions	35
5. Street sweeping	N/A	N/A
6. Catch Basin Cleaning	LACDPW Flood Maintenance Division	6 + contractors
7. Spill Response	LACDPW 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 2013 - 2014	Estimated Amount Needed to Implement Order R4-2012-0175 in Fiscal Year 2014-15
1.	Program management	0	0
	a. Administrative costs	568,000	592,000
	b. Capital costs	0	0
2.	Public Information and Participation	14,000	15,000
	a. Public Outreach/Education	1,733,000	2,000,000
	b. Employee Training	52,000	58,000
	c. Corporate Outreach	0	5,000
	d. Business Assistance	0	5,000
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	40,000	42,000
	a. Maintenance of structural and treatment control BMPs	762,000	836,000
	b. Municipal street sweeping	201,000	222,000
	c. Catch basin cleaning	1,108,000	1,219,000
	d. Trash collection/recycling	678,000	746,000
	e. Capital costs	1,000	65,000
	f. Others	8,616,000	8,342,000
7.	IC/ID Program	411,000	450,000
	a. Operations and Maintenance	980,000	1,075,000
	b. Capital costs	0	0
8.	Monitoring	1,617,000	1,702,000
9.	Other*	17,483,000	19,087,000
10.	Total	34,264,000	36,461,000

* The amounts reported in the "Other" category include expenses associated with the Watershed Management Programs, Enhanced 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:

Of the \$1,733,000 spent on Public Outreach/Education, approximately \$933,000 came from the County of Los Angeles' Solid Waste funds.

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 programs
- Cleaning of channel inverts, catch basins, and channel right-of-ways
- Flood facilities sweeping, vacuum, and jetting services
- Emergency and non-emergency cleanup of hazardous materials
- Maintenance of the Marie Canyon Disinfection Project
- Maintenance of Low Flow Diversions

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

Oxford Retention Basin Multiuse Enhancement Project

The Oxford Retention Basin Multiuse Enhancement Project is a \$12 million 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. Construction of the project is expected to begin in December 2014.

Arroyo Seco Ecosystem Restoration Feasibility 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 study was originally intended to lay the framework for future restoration efforts that would focus on restoration of the natural hydrologic functioning of the watershed, management of water resources and water quality improvement, habitat restoration, and improved recreational opportunities and open space. In late 2013, the U.S. Army Corps of Engineers initiated changes to their "SMART Planning" process, which led to a change in the study's name and scope of work. which will focus on aquatic and riparian restoration along the Arroyo Seco. 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 cost is expected to increase to \$3.6 million.

Sun Valley Feasibility Study

The Sun Valley Feasibility Study focuses on a highly urban watershed tributary to the Los Angeles River located approximately 14 miles northwest of downtown Los Angeles. The community has experienced severe, chronic flooding for well over 40 years and also suffers from poor water quality and a lack of recreational opportunities and wildlife habitat. The U.S. Army Corps of Engineers is conducting the study, with the LACFCD as the lead local sponsor, which focuses on environmental restoration, water quality improvement, flood mitigation, and other related issues within the watershed. The study's cost has been estimated at approximately \$2.5 million, with 50% from local sources and 50% from the federal level. The U.S. Army Corps of Engineers completed the Baseline Conditions phase of the study and the associated Baseline Conditions Report, which was approved

in January 2012. Once funding becomes available, the U.S. Army Corps of Engineers will proceed to the Alternative Analysis phase of the study.

II. Receiving Water Limitations

- 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.

Although it appears that submittal of an RWL Status Report is not required under the 2012 MS4 Permit, because of the uncertainty surrounding this issue, the LACFCD is submitting a RWL Status Report for the information of Regional Water Board staff during this transition period between the termination of the 2001 MS4 Permit and its monitoring program and the Regional Board's Executive Officer's approval of the Coordinated Integrated Monitoring Programs under the 2012 MS4 Permit. Please see Attachment C for the LACFCD's Receiving Water Limitations Status Report.

III. Stormwater Quality Management Program Implementation

- 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 6 Watershed Management Program groups and 12 Enhanced Watershed Management Program 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.

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 D.

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 D).

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 D for a summary of the actions the LACFCD has taken to address the discharge prohibition requirements in the 2012 MS4 Permit.

IV. Special Provisions

A. Public Information and Participation

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 E

1. No Dumping Message

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

85,863 Catch basin openings

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

17,560 Catch basin openings

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

85,863 (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 answer above. Furthermore, LACDPW's Flood Maintenance Division 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?

27,238

- 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, storm water, 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 LACDPW dispatch operators who log and process the calls. If the call's origin is within areas or facilities that fall under the responsibility of LACDPW (i.e., County unincorporated areas or Los Angeles County Flood Control District facilities), a work order is generated and sent to the appropriate LACDPW staff; otherwise, the information is forwarded to the appropriate MS4 Permittee's operations coordinator. During regular LACDPW business hours, LACDPW's Environmental Programs Division 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.888CleanLA.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)

Although the 2012 MS4 Permit does not designate a Principal Permittee, pursuant to that permit, the LACFCD continued to implement the Public Information and Participation Program (PIPP) requirements of the 2001 Permit. The LACFCD jointly implemented several components of the PIPP in partnership with the County.

During the Used Oil Payment Program (OPP) Cycle 3, the LACFCD hosted two used motor oil collection events in the Cities of La Puente and Cudahy. A total of 600 gallons of used motor oil and 124 used oil filters were collected from 140 residents at those events. An extra drum was also provided at each of those events to collect contaminated used motor oil from residents. As a result, 60 gallons of contaminated used motor oil were collected. In addition, four filter exchange events were conducted at O'Reilly stores in the Cities of Alhambra, Lynwood, Bell, and San Gabriel. A total of 394 gallons of used motor oil and 183 used oil filters were collected from 265 residents. 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 television, radio, and

newspaper ads. The campaign targeted Caucasian, African-American, Hispanic, and Chinese populations with the goal of increasing awareness and promoting events hosted by LACDPW. The ads were broadcasted in English, Spanish, and Mandarin. Some of the media outlets employed during the FY 2013-14 campaign include *Pasadena Star News*, *Whittier Daily News*, *Penny Saver*, *La Opinion*, *El Aviso*, *World Daily Journal*, *Autoworld Weekly*, KMEX, KRCA, KSCA/LA-18, KBUE FM 105.5, and KLAX 97.9. The media campaign achieved approximately 30.7 million paid media impressions and 10.2 million added-value impressions in County unincorporated areas. A post-wave analysis was conducted targeting the general population (Caucasians and African-Americans), Hispanic, and Chinese markets (See Attachment F). The intercept surveys were conducted at the collection events, special events, as well as auto parts stores in Los Angeles County. The results of the post-wave were compared to those from the previous grant cycles in order to measure trends and changes in awareness levels for advertising, Certified Collection Centers (CCC) and hotline usage, other determining factors for used motor oil and used oil filter recycling behavior, and attitude toward the program. The survey results indicated an increase in advertising awareness for the general market (37% to 43%) and decreases for the Hispanic market (67% to 57%) and Chinese market (71% to 32%). CCC usage increased for the general market (68% to 88%) and the Hispanic market (76% to 88%) but decreased for the Chinese market (68% to 48%). For next year, we will strive to increase awareness in the Chinese and Hispanic populations through print and radio advertisements as well as online social media.

Additional outreach efforts were conducted with 65 Community Based Organizations and local businesses during the OPP Cycle 3 including: local government agencies, public libraries, community centers, recycling centers, faith-based organizations, and the LA County Board of Supervisors' district offices. A total of 3,325 flyers were circulated through the Community Based Organizations campaign, reaching an estimated 55,680 residents.

As a way to promote the Used Motor Oil and Oil Filter Recycling Program and the household hazardous waste and electronic waste programs, staff hosted a booth at the following events: Sabor De Mexico Lindo in Huntington Park; Lunar New Year Festival in Alhambra; Fiesta Broadway in Los Angeles; and East Rancho Dominguez Community Fair in East Compton. A total of approximately 1,550 people visited the booths. Participants that completed a used motor oil survey were given the opportunity to win a prize. Booth visitors were provided with a Household Hazardous Waste/Electronic Waste schedule, an upcoming recycling event flyer, and a tip sheet on used motor oil and used oil filter recycling.

- 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 the 2012 MS4 Permit does not designate a Principal Permittee, pursuant to that permit the LACFCD continued to implement the PIPP requirements of the 2001 Permit and organized quarterly meetings during the 2013-2014 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 31, 2013, November 20, 2013, January 22, 2014, and April 23, 2014, quarterly meetings. Meeting topics included the County's Elementary School Environmental Education, Used Motor Oil and Oil Filter Recycling Public Education, and Household Hazardous Waste/Electronic Waste Collection Programs, the Sheriff's Department Social Media Program, the Plastic Bag Ban, and the 2013 Coastal Cleanup Day event. 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 Storm Water Education Program, the LACFCD will consider incorporating new strategies, such as social media, that were discussed during the quarterly meetings to increase the effectiveness of the program.

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?

96 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. Elementary school children are reached through the Environmental Defenders Program while secondary school children are reached through the Generation Earth Program. During the 2013-14 reporting year, the Environmental Defenders Program reached 142,832 students at 292 schools within the boundaries of the LACFCD. The contract employed to carry out the Generation Earth Program expired during the reporting year. Consequently, a Request for Proposals was released and a recommendation is being submitted to the Los Angeles County Board of Supervisors for approval. The contract is expected to be awarded during the next reporting period.

As part of its efforts to educate school children on stormwater pollution, the LACFCD also served as a member of the steering committee for the annual Los Angeles County Environmental Education Fair (LAEEF) event, which is coordinated by the Los Angeles County Office of Education, other participating agencies, and stakeholders. Approximately 1,800 participants attended the event, which was held on March 8, 2014. The flyer for the event can be found in Attachment G.

In addition, staff attended the following community events: Santa Clarita Day for Kids, Girl Scouts Girltopia, Mariachi Festival, Pico Rivera Library Grand Opening, Los Angeles Environmental Education Fair, Cabrillo Marine Aquarium Earth Day, STAR Eco Station Children's Earth Day, Downey Kids Day, SoRo Festival, and

Santa Monica Festival. During those events, a total of approximately 2,820 adults and children were reached with various environmental messages on the four Rs (Reduce, Reuse, Recycle, and Rethink), stormwater pollution, and household hazardous waste.

- 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*).

The effectiveness of the Environmental Defenders Program was evaluated through teacher and principal focus groups and online surveys. See Attachment H.

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

See Attachment I

- 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 campaigns of the Countywide Stormwater Public Education Program and the Used Motor Oil and Oil Filter Recycling Program we 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. The next survey will be conducted as part of the next Countywide Stormwater Public Education Program contract.

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 J

- 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 made outreach material available at numerous community and outreach events such as at the Los Angeles County Day at the Pomona Fairgrounds and the Empowerment Summit at the University of Southern California. Educational materials were also circulated to elementary school students, school administrators, and parents through the LACFCD and County's Environmental Defenders program. Additionally, the County distributed training materials through community based organizations and made educational brochures available at LACDPW's public service counters.

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 provided Good Cleaning Practices and Good Gas Operating Practices Best Management Practices (BMPs) posters to restaurants and retail gas outlets, partnering with two restaurants and three retail gasoline outlet corporate chains.

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

31

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

31

- 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, educational announcements appeared in Autoworld, World Journal Daily, Chinese LA Press, El Aviso, and Taiwan Daily.

Who was the audience?

The audience included members of the general public.

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:

Through the Community Based Organizations outreach component of the Used Motor Oil and Used Oil Filter Recycling Program, approximately 3,325 flyers promoting used motor oil and used oil filter events were distributed by local businesses, libraries, and community organizations to promote program events.

Who were the key partners?

Community Based Organization partners for the Used Motor Oil and Oil Filter Recycling program, which included local government agencies, public libraries,

community centers, recycling centers, faith-based organizations, and auto related businesses.

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?

204

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.

Awareness and knowledge about the causes of pollution increased among County residents. A positive behavior change was also observed among County residents. This was indicated by the results of the post-wave analysis of the Used Motor Oil and Used Oil Filter Recycling Program, which showed that awareness about recycling used motor oil/oil filters increased for the General Market and that Certified Collection Center usage increased for the General and Hispanic markets.

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

The LACFCD is developing a modified PIPP pursuant to the 2012 MS4 Permit.

B. Industrial/Commercial Facilities Program – 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	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

	data)			
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 – 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 – 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

- 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? **10**
How many were 5 acres or greater in size? **6**

- 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) Good housekeeping practices

All LACFCD facilities implement appropriate good housekeeping BMPs to minimize pollution. 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 are trained regularly through routine tailgate meetings where good housekeeping practices and record keeping are discussed. In addition, internal inspections are conducted regularly, above and beyond the permit requirements.

(2) Material storage control

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) Vehicle leaks and spill control

Auto fueling and repair areas are equipped with spill kits. Drip pans, absorbent pads, and kitty litter (powdered clay) are used under leaky vehicles until necessary 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) Illicit discharge control

Sand bags or other containment devices are placed around catch basin inlets at storage facilities to prevent illicit discharges. Staff receive regular training on preventing and responding to illicit discharges. Response protocols are currently being 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.

- 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. 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 is currently developing 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 are 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. 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.

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: **1,610**

Priority B: **526**

Priority C: **83,044**

- 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 for 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 21,200,000 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 760 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. Yes No
N/A

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? Yes No
N/A

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

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

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 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 sites.

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 much 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 existing IC/ID Elimination Program Manual employed by the LACFCD can be downloaded at http://dpw.lacounty.gov/wmd/NPDES/model_links.cfm. An update is currently in progress.

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 storm drain system of the LACFCD is viewable online at: <http://dpw.lacounty.gov/fcd/stormdrain/index.cfm>.

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) LACDPW's Land Development Division (LDD) receives reports of suspected connections ("Gray Sheets") from LACDPW's Flood Maintenance Division (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, the County Counsel is notified to pursue in 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 LACDPW's Environmental Program Division (EPD). EPD follows the enforcement procedures for eliminating illicit discharges outlined in its "Illicit Discharge Response Procedures" manual, which will be included as an Attachment in the LACFCD's IC/ID Elimination Program Manual being completed.

- 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 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 LACDPW's Document Management System (DMS) and tied to the specific LACDPW 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 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 follow-up 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? **348 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 LACDPW's FMD inspect LACFCD's underground storm drains as well as open channels. Drains with high probability of illegal 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 illegal 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 <i>other</i> 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

* 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. 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.

Spill response procedures are described in the IC/ID Elimination Program Manual dated June 2002 and FMD's Illicit Discharge Response Procedures Manual.

The spill response plan is currently being updated.

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 gather 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?

Once completed, 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 K for a list of connections that were permitted during this reporting period.

Note: Please see Attachment D 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 L for this year's Annual Stormwater Monitoring Report.

The 2001 MS4 Permit contained three TMDLs; whereas the 2012 MS4 Permit contains 33 TMDLs. During the 2013-2014 reporting year, the LACFCD participated with other permittees in various TMDL monitoring programs pursuant to the 2012 MS4 Permit. A summary of these activities is included in Attachment M.

The LACFCD

also participated in the following:

- **Dominguez Gap Wetlands Project (partial Prop. 13 CALFED Funded Project)**

As required by the State Grant received for the Dominguez Gap Wetlands Project, the LACFCD continued quarterly monitoring through September 2013 to determine the efficiency of the wetlands at removing pollutants. The final quarterly laboratory analysis report was submitted in November 2013.

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

Initiated in 2008, this regional monitoring program was designed to answer five basic questions about the health of the watershed: 1) What is the environmental health of streams in the overall watershed?, 2) Are the conditions at areas of unique importance getting better or worse?, 3) Are receiving waters near discharges meeting water quality objectives?, 4) Are

local fish safe to eat?, and 5) Is body contact recreation safe? The LACFCD and other stakeholders continue to provide the support and resources needed to implement this program. The resulting program is 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 entails the collection of macro-invertebrates, calculation of IBI scores, and assessment of the bio-diversity of the channel/stream. In addition to sampling for benthic macro-invertebrates, measurements of other stream characteristics, including the chemical (pH, water temperature, dissolved oxygen, conductivity, turbidity, and hardness) and physical/habitat (PHab) conditions of the stream are also being conducted at each monitoring reach. Results are expected to be compiled and analyzed on a five-year basis to make comprehensive watershed-wide assessments for compliance with receiving water objectives, trends in water quality, impacts to beneficial uses, and health of the biological community. In 2014, the Los Angeles River 2012 State of the Watershed Report was published. The report is available through the Council for Watershed Health website for the project (<http://www.watershedhealth.org/programsandprojects/larwmp.aspx>).

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

Similar to the LARMP, the SGRRMP was designed to answer the same five 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. The LACFCD's main contribution to this program is focused on bio-assessments, which entails the collection of macro-invertebrates, calculation of IBI score, and assessment of the bio-diversity of the channel/stream. In addition to sampling for benthic macro-invertebrates, measurements of other stream characteristics, including the chemical (pH, water temperature, dissolved oxygen, conductivity, turbidity, and hardness) and physical/habitat (PHab) conditions of the streams, initial results illustrated clear patterns between the upper (undeveloped) portions and lower (developed) portions of the watershed in terms of water quality and habitat condition. Data collected through this program was used to develop the 2010 San Gabriel River State of the Watershed Report, which analyzes the overall health of the watershed, trends in water quality, compliance with water quality objectives, and impacts to beneficial uses. The report is available through the Council for Watershed Health website for the project (<http://www.watershedhealth.org/programsandprojects/sgrmp.aspx>). Data from continued monitoring efforts will be used to help identify areas where expanded monitoring or special studies should be focused.

- **Sun Valley Park Drain and Infiltration Project**

The LACFCD continued to conduct post-project storm sampling within the Sun Valley Park Project to determine the project components' efficiency at removing pollutants from the Sun Valley drainage area of the Los Angeles River Watershed. For this monitoring period, the LACFCD focused its efforts on evaluating the effectiveness of the metals filtration unit, StormFilter. However, since the past wet season was very dry, there was limited data available for an effective assessment. The LACFCD plans to conduct additional monitoring to supplement existing data. Results will also be used to help guide maintenance and operation procedures 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.

- **The Malibu Creek Microbial Source Tracking Study**

The purpose of this study is to determine if the sources of bacteria in the Malibu Creek Watershed are anthropogenic or natural. If the sources are determined to be anthropogenic then the sources will be tracked and identified. Tracking efforts will include analyzing developed areas with storm drain outfalls and a geographic information systems-based analysis of what land uses and drainage areas are contributing to the associated tributaries and storm drains. This project is being conducted in two phases. Phase I sampling was conducted from the beginning of October 2013 through mid-December 2013. Sampling was conducted on a weekly basis and resulted in a total of 12 events covering the summer and winter dry periods. Phase II sampling will be conducted during the next reporting year.

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

The LACFCD is participating in the Bight' 13 monitoring of ASBS 24. The LACFCD's involvement is twofold. For one, the LACFCD is contributing funds to the efforts being performed by the Southern California Coastal Water Research Project. Those efforts include Rocky Intertidal Biological Monitoring, Bioaccumulation Testing, Reference Monitoring, and Plume Tracking. Additionally, the LACFCD is performing Receiving Water Monitoring and Outfall Discharge Monitoring. Those efforts involve monitoring sites in the ocean and 9 storm drains discharging into the ocean to help determine if the natural water quality of the ocean, as defined by the State Water Quality Control Board, is being affected by stormwater runoff.

- **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 associated with water quality, flood control, habitat, and recreation. The study aims to identify any benefits associated with the project, including improvements to the physical, chemical, and biological integrity of Oxford Basin. In order to effectively assess project improvements, both pre- and post-development monitoring will be conducted.

The LACFCD is also collaborating with other agencies through the Enhanced Watershed Management Program and Coordinated Integrated Monitoring Program process on future 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
- Malibu Creek and Lagoon Bacteria TMDL
- Malibu Creek Nutrient TMDL CMP

- Machado Lake Nutrients TMDL
- Machado Lake 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 Enhanced Watershed Management Program and Coordinated Integrated Monitoring Program 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 M 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 N.

- 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.

The LACFCD has implemented all permit requirements.

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

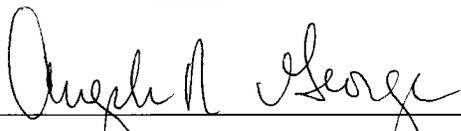
None at this time.

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 2014 at Alhambra, California.



Angela R. George, Assistant Deputy Director