

**County of Los Angeles
 Individual Annual Report for the Municipal Stormwater Permit
 (Order No. 01-182 and R4-2012-0175)
 NPDES Permit No. CAS004001**

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- A. Summary of Staff Training (I.D.)
- B. Stormwater Education Activities (IV.A.)
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- D. Environmental Documents Addressing Stormwater Quality Impacts (IV.C.1)
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- F. Assessment of Program Effectiveness (VI.A.1)
- G. Discharge Prohibitions
- H. Minimum Control Measures
- I. WMP/EWMP Summary
- J. TMDL Reports
 - 1. TMDL Report on Monitoring
 - 2. Los Angeles River Trash TMDL Annual Compliance Report
 - 3. Ballona Creek Trash TMDL Monitoring and Annual Report
 - 4. Marina del Rey Toxics TMDL Ambient Monitoring Results
 - 5. Machado Lake Nutrients TMDL Annual Monitoring Report
- K. County Counsel Certification on Legal Authority
- L. Watershed Summary Information

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This form summarizes the requirements in Order No. 01-182. 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) to determine compliance with Order 01-182; and 4) to 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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Reporting Year 2012 - 2013

I. Program Management

A. Permittee Name: COUNTY OF LOS ANGELES

B. Permittee Program Supervisor: Angela George

Title: Principal Engineer

Address: 900 South Fremont Avenue

City: Alhambra

Zip Code: 91803

Phone: (626) 458-4325

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 Watershed Management Division (WMD) of the Los Angeles County Department of Public Works (LACDPW) coordinates the development and implementation of the programs mandated by the Municipal Stormwater Permit throughout the unincorporated areas of Los Angeles County. Each Division within the LACDPW designates a representative to communicate with WMD to ensure full program implementation. Each County Department also designates a stormwater coordinator to interface with the LACDPW. For purposes of this Annual Report, the County of Los Angeles will be referred to as "County."

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TABLE 1 - Program Management

Storm Water Management Activity	Division/Department	# of Individuals Responsible for Implementing
1. Outreach & Education	LACDPW Building and Safety, Geotechnical and Materials Engineering, Survey/Mapping Divisions, and Public Relations Group + Applicable County Departments	42
2. Industrial/Commercial Inspections	LACDPW Building and Safety, and Environmental Programs Divisions	167
3. Construction Permits/Inspections	LACDPW Architectural Engineering, Construction, and Building and Safety Divisions + Applicable County Departments	234
4. IC/ID Inspections	LACDPW Road Maintenance and Environmental Programs, Divisions + Applicable County Departments	111+contractors
5. Street sweeping	LACDPW Aviation, , and Road Maintenance Divisions + Applicable County Departments	41 + contractors
6. Catch Basin Cleaning	LACDPW Aviation, and Construction Divisions + Applicable County Departments	27 + contractors
7. Spill Response	LACDPW Aviation, Information Technology, and Road Maintenance Divisions + Applicable County Departments	334.5 + contractors
8. Development Planning (project/SUSMP review and approval)	LACDPW Building and Safety, Environmental Programs, and Land Development Divisions	26
9. Trash Collection	LACDPW Aviation, Operational Services, Programs Development, and Road Maintenance Divisions + Applicable County Departments	331 + contractors

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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 A

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 County's Stormwater Program is funded by several sources, including but not limited to the County of Los Angeles General Fund, Gasoline Tax, Solid Waste Fund, Prop C and Prop A Local Return Funds.

Permittees and County unincorporated areas face critical water quality challenges whose solution will severely strain existing revenue sources. To meet these challenges, the Los Angeles County Flood Control District at the direction of the Los Angeles County Board of Supervisors, explored creation of a District-wide Clean Water, Clean Beaches fee at the direction of the LACFCD's Board of Supervisors, which, subject to voter approval, would implement an annual property-based fee to pay for local and regional projects and programs to help prevent pollution from stormwater and urban runoff, clean up pollution that flows into our local and major waterways, and remove contamination from stormwater that enters the ground water supply, which is an important source of drinking water. However, at the conclusion of a public hearing for the proposed fee on March 12, 2013, the Board of Supervisors voted to not proceed with the fee at this time.

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

The County managed the Used Oil Payment Program (OPP Cycle2) funded by the California Department of Resources Recycling and Recovery (CalRecycle) and supplemented by LACDPW to promote used motor oil and oil filter recycling.

Oxford Retention Basin Enhancement Project - The Project is designed to enhance flood protection, reduce runoff pollution, and significantly improve the quality of plant and wildlife habitat within the facility, as well as its aesthetic appeal. Diseased trees and non-native plants will be replaced with more native drought-tolerant species. The project will also

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provide new recreational and safety amenities, including a walking path, observation areas, wildlife-friendly lighting and more attractive tubular fencing. The project also involves the removal of existing contaminated sediment in the basin. 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 estimated to cost \$7 million and expected to start in 2014.

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TABLE 2

Program Element	Expenditures in Previous Fiscal Year	Amount Needed to Implement Order R4-2012-0175 For Fiscal Year 2013-14
1. Program management	743,931	1,030,055
a. Administrative costs	1,157,224	1,231,907
b. Capital costs	1,400	8,500
2. Public Information and Participation	1,286	1,286
a. Public Outreach/Education	200,000	200,000
b. Employee Training	137,905	152,820
c. Corporate Outreach		
d. Business Assistance		
3. Industrial/Commercial inspection/ site visit activities	321,431	500,000
4. Development Planning	221,555	303,974
5. Development Construction	607,037	652,042
a. Construction inspections	14,300	15,730
6. Public Agency Activities	733,405	863,584
a. Maintenance of structural and treatment control BMPs	957,818	1,054,025
b. Municipal street sweeping	10,003,932	10,987,990
c. Catch basin cleaning	171,927	180,000
d. Trash collection/recycling	8,420,394	9,225,825
e. Capital costs	52,091	134,500
f. Other	37,559,663	43,334,747
7. IC/ID Program	154,762	437,695
a. Operations and Maintenance	444,182	493,601
b. Capitol Costs		5,000
8. Monitoring	2,592,470	2,722,094
9. Other*	6,290,211	7,517,398
10. TOTAL	70,786,922	81,052,773

* Includes costs for preparing NOIs for the WMPs and EWMPs, TMDL & ASBS monitoring and projects, and other projects with water quality benefits.

List any supplemental dedicated budgets for the above categories:

Approximately \$150,000 in Solid Waste funds was spent on the elementary and secondary school education program, hotline maintenance, and coordinating used oil and oil filter collection events, and media relations efforts.

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

- **Project scheduling, construction cost estimating, design and inspection of capital projects**
- **Geotechnical investigation, inclusive of material testing, and inspection services**
- **CEQA/NEPA environmental studies**
- **Disposal of used waste tires through private vendor once they have been removed from equipment**
- **Proper disposal of non-hazardous contaminated soil and water from drilling operations on a quarterly basis**
- **Survey construction and monitoring services**
- **Environmental education programs for secondary schools, used motor oil and oil filter recycling program**
- **Portions of the municipal street sweeping, trash collection and illicit discharge programs**
- **Removal of loose trash from streets and collection of trash from bus stop receptacles**
- **Emergency and non-emergency cleanup of hazardous materials**

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.

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III. SQMP 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

N/A. The County developed the six programs prescribed by the SQMP.

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

N/A

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- 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.

Automatic Retracting Screens (ARS) and full capture certified Connector Pipe Screens (CPS) were installed at various locations to reduce trash in stormwater runoff. See Public Agency Activities for more details (Part IV.E.5.d).

Metal shakers and portable equipment washers are placed within the construction sites to eliminate potential dirt, dust, and debris from trucks & equipment from leaving construction sites.

The County has continued to implement its Low Impact Development (LID) Standards Manual (LID Manual) that was released in January 2009 to incorporate sustainable practices to improve runoff water quality, recharge groundwater, and reduce hydromodification. These practices are consistent with the LID Ordinance adopted by the Los Angeles County Board of Supervisors in November 2008. The LID Manual describes sustainable practices that developers can design that will protect surface and groundwater quality, maintain the integrity of ecosystems, and preserve the physical integrity of receiving waters by managing stormwater runoff. The LID Manual was developed to set design requirements for new development and redevelopment. Developers must incorporate design features to match the undeveloped runoff volume of the site for several design storm options including 85th percentile or 3/4" rainfall event. If the developed site yields a greater volume of runoff compared to the undeveloped site, the excess runoff must be infiltrated, captured and reused, or evapotranspired at maximum extent technically feasible by using BMPs. Any remaining excess volume shall be treated and released.

Pursuant to the 2012 MS4 permit, on November 5, 2013, the County Board of Supervisors approved a revised LID Ordinance. The major revisions to the ordinance are redefining the Water Quality Design Storm Volume (WQDSv) that must be treated by a BMP to be either the 3/4 inch or the 85th percentile rainfall event, whichever is greater and revisions to the hydromodification Policy. The revised ordinance first requires the WQDSv to be infiltrated onsite, and if that is determined infeasible then the project must store and reuse the WQDSv. If that is determined infeasible to store and reuse onsite, the project can either biofilter 1.5 times the WQDSv, infiltrate the WQDSv at an offsite location, retrofit an existing project to infiltrate the WQDSv, or provide groundwater recharge of the WQDSv. An updated Low Impact Development Standards Manual, to complement the revised ordinance and incorporating all of the changes discussed, will be completed in December 2013.

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E. Watershed Management Committees (WMCs)

1. Which WMC are you in?

The County is represented in all of them.

2. Who is your designated representative to the WMC?

- T J Moon - Ballona Creek & Urban Santa Monica Bay WMC
- Bill Johnson - Dominguez Channel/Los Angeles Harbor WMC
- Giles Coon - Malibu Creek & Rural Santa Monica Bay WMC
- Jolene Guerrero - Los Angeles River WMC
- Jolene Guerrero - San Gabriel River WMC

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

The County was represented at each of the 12 meetings that took place during the reporting year.

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

Although the new Permit no longer requires WMCs, the groups have continued to meet. The meetings facilitated cooperation as well as exchange of relevant information and experiences among the permittees, which led to a general improvement of the County's stormwater program.

5. Attach any comments or suggestions regarding your WMC.

None at this time.

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.

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G. Discharge Prohibitions

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

Sources of discharges outside of the MS4 Permittees' jurisdiction or authority that exceed water quality standards. These discharges, including to the following, should be held to the same standards as the MS4 Permittees:

- U.S. Forest Service and California park lands discharges
- Caltrans properties and highways discharges
- Schools and other Phase II permittees discharges

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

None at this time.

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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 B

1. No Dumping Message

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

1140 Catch basin openings

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

1140 Catch basin openings

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

1140 (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? **N/A**

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

N/A Flood control facilities with public access points are not under the jurisdiction of the County of Los Angeles

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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?
31,000 (shared hotline with LACFCD)
- g) Describe the process used to respond to hotline calls.

Illegal dumping calls are routed to LACDPW Dispatch operators who log the call and forward the information to the appropriate copermittee operations coordinator, or if the call's origin is within the jurisdiction of LACDPW, a work order is generated and sent to appropriate LACDPW staff. LACDPW Environmental Programs Division staff provides live responses to callers in English and Spanish. Pre-recorded messages are available in English and Spanish, delivering information on Stormwater, HHW/E-Waste, Used Motor Oil, Water Conservation, and Smart Gardening programs.

- 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 County is not the Principal Permittee, it jointly implemented several components of the PIPP in partnership with the LACFCD.

During the Used Oil Payment Program OPP Cycle 2 (OPP Cycle 2), the County hosted two used motor oil collection events in the unincorporated areas of Lennox and Whittier. A total of 730 gallons of used motor oil and 58 used oil filters were collected from 161 Do-It-Yourselfers (DIYers). We

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also provided an extra drum at both events to collect contaminated oil from DIYers. As a result, we collected 95 gallons of contaminated used motor oil. Also, two filter exchange events were conducted at O'Reilly stores in Florence-Firestone and West Carson. A total of 100 gallons of used motor oil and 28 used oil filters were collected from 41 DIYers.

Participants who recycled their used motor oil and oil filters received free used motor oil and oil filter containers, shop towels, oil funnels, and a new oil filter in exchange for their old filter. In addition, used motor oil filter pickups were conducted at five participating O'Reilly stores in County unincorporated areas. A total of 4,500 used oil filters were recycled through the program.

The media campaign promoted used motor oil/oil filter recycling events through television, radio, and newspaper ads. The campaign targeted the Caucasian, African-American, Hispanic, Chinese, Filipino, and Cambodian DIYers 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 included in the FY 2012-13 campaign are as follows:

La Raza Radio Station (97.9 FM); La Opinion; KMEX-TV Channel 34; San Gabriel Valley Tribune; Hoy; Pasadena Star News; KSCI/LA-18; and Weekend Balita. This media campaign achieved approximately 20 million paid media impressions and 6.4 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 (Attachment C). 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, and other determining factors for used motor oil and used oil filter recycling behavior, and attitudes of the program.

The survey results indicated a significant increase in advertising awareness levels among the Chinese market (48% to 71%) and a slight improvement among the Hispanic market (64% to 67%), in comparison to last year's survey results. The campaign is holding steady among the General Market (39% to 37%), although awareness levels are much lower in comparison to the other two markets. CCC usage to recycle used motor oil continues to drop among the General Market (58% to 45%). Also, almost two-thirds of Chinese respondents recycled their used motor oil at a CCC (from 61% to 65%). Hispanics use of CCCs increased minimally and ranked highest in CCC usage among the three segments (69% to 70%).

During the next grant cycle, we will strive to increase awareness specifically among the Chinese and Hispanic markets through print and radio advertisement.

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Additional outreach efforts were conducted with 36 Community Based Organizations (CBOs) and local businesses during the OPP Cycle 2 including: local government agencies, public libraries, community centers, schools, gas stations, recycling centers, faith-based organizations, ethnic organizations, auto-related businesses, and the LA County Board of Supervisors' district offices. A total of 2,025 flyers were circulated through the CBO campaign, reaching an estimated 50,105 residents in County unincorporated areas.

- 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?
 The County participated in the one quarterly meeting held during this reporting period.
 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 25, 2012, quarterly meeting to provide information on the Los Angeles County Clean Water, Clean Beaches Measure, the California Tobacco Waste Program's cigarette butts pollution prevention campaign, and to promote the 2012 Coastal Cleanup Day event. LACFCD shared resources such as collateral materials and public outreach strategies with copermittees.

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?
28 million impressions
- d) Describe efforts your agency made to educate local schools on storm water pollution.

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.

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The Generation Earth program offered Professional Development, Waste Reduction and Recycling, and Water Pollution Prevention workshops to teachers. More than 30 teachers attended the workshops, reaching more than 3,056 students from 23 schools, potentially impacting 31,799 students. Generation Earth provided the necessary tools and support to teachers/students to create environmental service learning projects on school campuses.

The 2013 Service Learning Celebration was held on April 11, 2013, at Walt Disney Studios in Burbank, California. Twelve schools participating with a group of student leaders attending the celebration. Three of the schools were located in County unincorporated areas. Each school team designed a presentation display to highlight their successful projects. A variety of projects were showcased at the event. Six projects focused on water related issues. Each school was honored with a recognition trophy from Generation Earth and a special guest, Ms. Cornelia Funke, an international author, presented each school with \$100 to fund future projects. Approximately 15 students attended from the three schools located in County unincorporated areas.

The Streets to the Sea Challenge was not conducted during this reporting period due to an abbreviated contract year. A new Request for Proposals is currently being drafted. The Request for Proposals is expected to be released in fall 2013.

The County and LACFCD's elementary school education program, Environmental Defenders, reached 3,876 students at seven schools. LACDPW's staff attended the 2012 Eco-Ranger Camp at Sorensen Park reaching approximately 250 children. Staff also attended the Carver Elementary School Community Clean Up Day. Carver Elementary School students, parents, and local residents took part in a beautification event held to commemorate the life and work of Cesar Chavez. Over 200 students learned about the types of items to recycle or take to a Household Hazardous Waste/Electronic Waste Collection event through the interactive Sort and Save the Environment Game.

- 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)*.

N/A

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

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

N/A

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 5?

N/A

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.
- b) Did your agency cooperate with the Principal Permittee to develop specific outreach programs to target pollutants in your area? **Yes**
- c) Did your agency help distribute pollutant-specific materials in your city? **Yes**
- d) Describe how your agency has made outreach material available to the general public, schools, community groups, contractors and developers, etc...

The County provided campaign collateral for various community and outreach events coordinated by other LACDPW divisions, Board of Supervisors, and outside agencies.

Stormwater pollution prevention materials were also circulated to elementary and secondary school students, school administrators, and parents through the County's Environmental Defenders and Generation Earth programs. Additionally, the County distributed collateral materials through CBOs, special events, and participated in 22 community events and conferences.

5. Businesses Program

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

N/A.

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- b) How many corporate managers did your agency (*Principal Permittee only*) reach last year? **N/A**
- c) What is the total number of corporations to be reached through this program (*Principal Permittee only*)? **N/A**
- d) Is your agency meeting the requirement of reaching all gas station and restaurant corporations once every two years (*Principal Permittee only*)? **N/A** 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 L.A. County media outlets were contacted through media wire services and/or direct contact.

Which newspapers or radio stations ran them?

PSAs and other earned media placements were aggressively pursued as a tactic of the County's Stormwater PIPP. During the reporting period, LACDPW stormwater/urban runoff messages appeared in the following media: LA Wave, El Clasificado, Impacto USA, CBSLA.com, SlickDeals.net, KVEA-TV, and KWHY Mundo Fox 22. The press releases promoted County-sponsored used motor oil and oil filter exchange events.

Who was the audience?

The audience included members of the general public and DIYers.

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

The County coordinated with the LACFCD for media buys and partially funded them through the Solid Waste Fund

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**

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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.

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

Describe the materials that were distributed:

Approximately 2,025 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.

Who were the key partners? **CBO partners for the Used Motor Oil and Oil Filter Recycling program which included local government, public libraries, schools, gas stations, recycling centers, faith-based organizations, ethnic organizations, and auto related businesses.**

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

The audience included DIYers and 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? **22**

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.

An increase in awareness and knowledge about the causes of pollution and positive behavior change occurred among County residents. Awareness and behavior change were achieved in the Chinese community verified by a self-reported increase in awareness and usage of used motor oil Certified Collection Centers.

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

No suggestions at this time.

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B. Industrial/Commercial Facilities Program

1. Critical Source Inventory Database

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

Comments/Explanation/Conclusion:

The Environmental Programs Division (EPD) of the LACDPW performs updates to the Hazardous Materials System (HMS) database for Critical Sources Inventory on an ongoing basis. We add new businesses to HMS and 'close' files of those sites where there are no critical source business operations. We obtain information from various internet databases, including Los Angeles County Public Health, Los Angeles County Treasurer & Tax Collector, LACDPW's Building & Safety Division, our Industrial Water Pretreatment Program and Hazardous Materials Underground Storage Tank Program, the Los Angeles County Certified Underground Storage Tank Program (CUPA), Google, MSN, SMARTS, and our inspectors in field offices at different locations.

As a part of HMS permitting database, we also invoice the businesses for the annual certificate fees. After each inspection, our inspection staff will update the database as to the ownership, current business operations and the results of the inspection.

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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	4	4	100	16
TSDf	0	0	0	0
Auto*	682	138	20	4589
RGO	145	145	100	1220
Restaurants	1083	389	36	5319
Tier 1	376	221	59	2107
Tier 2	525	263	50	2850
Mandatory	0	0	0	16
Comments/Explanation/Conclusion:			*Includes auto dealer, auto repair and auto body facilities within county jurisdiction	

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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	4	3	75	1	4	3	75	1	13	3
TSDf	0	0	0	0	0	0	0	0	0	0
Auto	138	110	80	28	138	110	80	28	2871	1714
RGO	145	116	80	29	145	116	80	29	874	346
Restaurant	389	351	90	38	389	351	90	38	4459	830
Tier 1	221	148	67	73	221	148	67	73	1419	685
Tier 2	263	194	74	69	263	194	74	69	2079	767
Mandatory	0	0	0	0	0	0	0	0	0	2

Comments/Explanation/Conclusion:

None

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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	0	0	0	0	0	0	50
Notice of Non-Compliance	0	0	0	0	0	0	18
Notice of Violation	11	11	11	11	4	4	76
Referral	0	0	0	0	0	0	60
Other	0	0	0	0	0	0	27

Facilities by category	Number of Warning letters	Number of NOVs	Number of Referral	Number of Other
Landfills	0	0		
Auto	1	1		
RGO	0	0		
Restaurants	0	0		
Tier 1	4	2		
Tier 2	6	1		
Mandatory	0	0		
Comments/Explanation/Conclusion:	None			

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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

Comments/Explanation/Conclusion:

The effectiveness of the inspection program is dependent on training, cooperation and compliance of each industrial/commercial facility.

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

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C. Development Planning Program (Part 4.D)

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

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

See Attachment D

2. Does your agency have procedures to include the following requirements in all priority development and redevelopment projects:
- a) Maximize the percentage of permeable surfaces to allow more percolation of storm water into the ground? Yes No
- b) Minimize the quantity of storm water directed to impermeable surfaces and the MS4? Yes No
- c) Minimize pollution emanating from parking lots through the use of appropriate treatment control BMPs and good housekeeping practices? Yes No
- d) Provide for appropriate permanent measures to reduce storm water pollutant loads from the development site? Yes No

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3. List the types and numbers of BMPs that your agency required for priority projects to meet the requirements described above.
- **Bioretention**
 - **Cam Lock Debris Gate**
 - **Drain Inserts**
 - **Efficient Irrigation**
 - **Fossil Filter Catch Basin Inserts**
 - **Fueling Areas**
 - **Grass Pavers Porous Pavement**
 - **Hydroseeding slopes post grading**
 - **Implementation of Low Impact Development features such as bioswales**
 - **Infiltration Systems**
 - **Infiltration Trenches**
 - **Installation of underground storm water filtration systems.**
 - **Pervious Pavement**
 - **Planter Box**
 - **Rain Gardens**
 - **Roof Runoff Controls**
 - **Site Design and Landscaping Planning**
 - **Storm Drain Signage**
 - **Stormwater filters**
 - **Trash Storage Areas**
 - **Treatment structures**
 - **Use of pervious materials such as decomposed granite**
 - **Use of porous pavement and/or pavers on parking lots and hardscape**
 - **Water Clarifiers at catch basins and drains located in parking lots**
 - **Water Retention Basins designed into landscape**

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

Interim standards for peak flow were prepared and submitted to the Regional Board in January 2005, following overall completion of the peak flow study. Results of the Peak Flow Study were also previously submitted to the Regional Board.

Compliance with the interim Peak Flow policy is required of new discretionary projects and is incorporated in drainage concept and hydrology plan checking.

Additionally, the County continued to implement its Low Impact Development Standards Manual (LID Manual) developed in January 2009 to incorporate sustainable practices to improve runoff water quality, recharge groundwater, and reduce hydromodification in accordance with the LID Ordinance adopted by the Los Angeles County Board of Supervisors in November 2008. The LID Manual describes sustainable practices that developers can use to protect surface and groundwater quality, maintain the integrity of ecosystems, and preserve the physical integrity of receiving waters by managing stormwater runoff. The LID Manual was developed to set design requirements for new development and redevelopment. Developers must incorporate LID design features to match the undeveloped runoff volume of the site from a 3/4" rainfall event or 85th percentile, 24-hour rain event. If the developed site yields a greater volume of runoff compared to the undeveloped site, the excess runoff must be infiltrated, captured and reused, or evapotranspirated at the maximum extent technically feasible. Any remaining excess volume must be treated and released.

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

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

Note: The discussion in the following paragraph applies only for the portion of the reporting period covered by the 2001 Permit (July 2012 to December 2012), since SUSMP design standards are not applicable in the 2012 Permit.

Subdivision projects coordinated through the Department of Regional Planning had to go through a tentative map review process. During that process, the LACDPW's Land Development Division (LDD) reviewed the project for grading, street, and drainage feasibility. If changes to drainage/hydrology were proposed as part of the project, a drainage concept had to be submitted and approved by LDD. As part of the drainage concept review, LDD determined if the project fell into a category of development and/or redevelopment requiring SUSMP. If it did, the drainage concept had to meet the criteria established in the County's SUSMP Manual prior to approval. If storm drain improvements were a condition of the parcel or tract map, the storm drain improvement plans for the subdivision were also reviewed by LDD. Prior to approval, the plans had to comply with the approved drainage concept/SUSMP. Storm drain bonds were typically posted for the improvement and not released until inspection by LACDPW's Construction Division (CON) confirmed that what was built matched what was approved on the plans. Likewise, LDD reviewed the grading and street improvement plans to ensure that the project met SUSMP requirements, where applicable, prior to approval.

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7. How many of each of the following projects did your agency review and condition to meet SUSMP requirements last year?
- | | |
|---|-----------|
| a) Residential | 10 |
| b) Commercial | 40 |
| c) Industrial | 5 |
| d) Automotive Service Facilities | 1 |
| e) Retail Gasoline Outlets | 0 |
| f) Restaurants | 0 |
| g) Parking Lots | 34 |
| h) Projects located in or directly adjacent to or discharging directly to an environmentally sensitive area | 0 |
| i) Total number of permits issued to priority projects | 51 |
8. What is the percentage of total development projects that were conditioned to meet SUSMP requirements? **90%**
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?
- Every project that applies for a building permit is subject to the 1 acre threshold. All of our review sheets indicate that threshold.**
10. After 2003, how many additional projects per year will require/did require implementation of SUSMP requirements as a result of the lower threshold?
- This data is not tracked.**
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

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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

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?
- 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.

The existing Countywide General Plan was adopted in 1980 and is currently in the process of being updated. Adoption of the new General Plan by the Los Angeles County's Board of Supervisors is tentatively planned for end of 2013. The new document is 2013 Draft General Plan 2035. All of the aforementioned elements have been revised within the Update.

14. How many targeted staff were trained last year? **305**
15. How many targeted staff are trained annually? **About 300 – 350**
16. What percentage of total staff are trained annually? **90 %**
17. Has your agency developed and made available development planning guidelines? Yes No
18. If no, what is the expected date that guidelines will be developed and available to developers? **N/A**

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

In March 2009, the County adopted the Stormwater Best Management Practice Design and Maintenance Manual, which was incorporated into our project review process to further assist in the selection and siting of BMP/water quality devices. The County is in the process of updating its LID Manual to address the requirements of the 2012 Permit.

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D. Development Construction Program

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

All grading permit applicants are required to prepare a Wet Weather Erosion Control Plan and/or a Local Storm Water Pollution Prevention Plan (LSWPPP) based on the guidelines described in the BMP Construction Handbook. BMP notes are added on all storm drain, road, sewer, and grading plans and the owner/engineer is required to sign a statement of understanding. Erosion Control Plans, Local SWPPP, and SWPPP are required prior to grading plan approval. Approved copies are kept at construction sites.

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?

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

See Attachment E

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?

The County requires the following information to be submitted prior to all grading plan approvals:

1. A copy of the filed NOI
2. The issued WDID number
3. The Local SWPPP

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- 5. How many building/grading permits were issued to sites requiring Local SWPPPs last year? **241**
- 6. How many building/grading permits were issued to sites requiring coverage under the General Construction Activities Storm Water Permit last year? **50**
- 7. How many building/grading permits were issued to construction site less than one acre in size last year? **3,389**
- 8. How many construction sites were inspected during the last wet season? **3,420**
- 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	54	1.6%	46	12
Off-site discharge of other pollutants	6	0.2%	6	0
No or inadequate SWPPP	13	0.4%	16	5
Inadequate BMP/SWPPP implementation	69	2.0%	70	18

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

Enforcement of violations is performed in the following order: Warnings, Stop-Work Notices, office meetings, recording of Notices of Violation, referrals to the Regional Water Quality Control Board, and fines or nonpayment of general contractor’s invoices (applies to County projects only) until compliance is met.

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

The County uses a computer database to track all single lot (non-tract) projects, which are categorized according to disturbed/graded area in acres.

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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
- b) How many sanitary sewer overflows occurred within your jurisdiction? **112**
- c) How many did your agency respond to? **112**
- d) Did your agency investigate all complaints received? Yes No
- e) How many complaints were received? **1265**
- f) Upon notification, did your agency immediately respond to overflows by containment? Yes No
- g) Did your agency notify appropriate sewer and public health agencies when a sewer overflowed to the MS4? Yes No
- h) Did your agency implement a program to prevent sewage spills or leaks from sewage facilities from entering the MS4? Yes No

If so, describe the program:

Sewage spills are contained by sand bags, sand berms and adsorbent circular tubes/socks. Hydro – Vector trucks are used to vacuum and pick-up debris and return the liquid to the sewer collection system.

- 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

If so, describe the program:

The Consolidated Sewer Maintenance District (CSMD) serves the unincorporated area of the County and 39 cities. A “Preventive Maintenance” program consisting of regular inspection and periodic maintenance of the sewer system and appurtenance are summarized below.

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The CSMD visually inspects all sewer manholes approximately every six months. Sewer inspection typically involves examining the pipe at a manhole to observe flow conditions. Flow is checked for depth (which should be less than $\frac{1}{2}$ pipe diameter), smoothness, and restrictions for stoppages. Abnormal flow conditions are scheduled for cleaning to restore normal flow.

LACDPW operates a 24-hour, toll-free emergency Hotline (1-800-675-HELP) for use by County staff, cities and the public in reporting incidents. Calls received are immediately dispatched to the appropriate LACDPW personnel for investigation and resolution. During weekday working hours, calls are dispatched to the CSMD yard that is closest to the reported incident. For evening, weekends and holidays, the CSMD designates a maintenance crew to be available or "on-call", to respond to incidents. All complaints are investigated with immediate and appropriate actions taken.

Materials impeding flow in the pipe are noted and recurring problems are placed on a periodic maintenance schedule to prevent reoccurrence. When problems cannot be resolved by cleaning or periodic maintenance, sewer pipes are typically video-inspected using a closed circuit television camera to determine the underlying cause (i.e., structural failure, illegal discharge, inflow/infiltration, etc.). Based on the results of the video inspection, future actions to remedy the situation may be taken. This could include replacement or rehabilitation of the segment of pipe.

The objective of the "Preventive Maintenance" program is to protect the health and welfare of the community by insuring continuous uninterrupted operation of the public sewer system; and to protect the storm drain system and receiving waters from the impact of sewage overflow.

Condition Assessment Program

The primary objectives of this program are to perform closed-circuit television (CCTV) inspections and structurally rate approximately 500 miles of sewer infrastructure each year.

The televising is prioritized to focus on those sewers with the most potential for repair needs. Maintenance history, past overflow records, sewer locations, and age are some of the factors used to prioritize the televising schedule.

LACDPW has selected a digital video pipeline inspection system. This system allows for the most consistent and

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thorough collection of data. Under this system, a CCTV van crew gathers video and data for each pipe segment to identify any deficiencies and engineers review the tapes and video logs to determine if the sewer facilities should be repaired or replaced immediately, or scheduled for future improvements.

In 1987, the County Board of Supervisors established the Accumulative Capital Outlay Fund (ACO) to finance the repair or replacement of any structurally deficient sections of the collection sewer system for the CSMD. Under this program 119 miles of deteriorated sewer lines and 14 pump stations have been rehabilitated. Sewer facilities identified through the CSMD's Condition Assessment Program are also prioritized and included in the list of projects to be financed with ACO.

The program was formalized with the Sewer System Management Plan for the Consolidated and Marina Sewer Maintenance Districts for all Supervisorial Districts adopted by the Board on May 6, 2008.

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? **97**
 How many were 5 acres or greater in size? **35**

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- 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

N/A

- 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 sites regularly maintain storm drain inlets and grounds to keep them debris-free.

Each County-owned airport conducts daily airfield storm drain and grounds inspections to ensure they are kept debris-free. In addition, regular communications with on-site, contracted airport managers and airport personnel is maintained.

Parking lots at County maintenance yards are inspected twice a month and swept at least once a month.

The County emphasizes extensive education and training of field staff through routine tailgate meetings where good housekeeping practices such as proper disposal of trash and waste are discussed. Furthermore, the County stresses the importance of maintaining records and training materials. In addition, inspections of maintenance yards are also conducted on a regular basis, and above and beyond the permit requirements. Results of the inspections are reviewed with facility managers for each yard. As part of its Clean Yards Program, LACDPW's WMD staff conducted 99 inspections of County facilities between July 2012 and June 2013.

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(2) Material storage control

Outdoor material, and all aggregate concrete bunkers are covered properly with tarps or canopies.

Berms have been constructed and fire hoses filled with sand have been placed at the edges to prevent sediment displacement due to runoff.

Material storage is indoors where possible.

All hazardous waste storage areas are equipped with proper containments and all areas are routinely monitored according to existing policies on material storage.

Hazardous waste is collected regularly by a licensed contractor.

The County conducts extensive training on proper storage and disposal of waste materials indoors and outdoors.

(3) Vehicle leaks and spill control

Warehouses and maintenance facilities, such as those for auto fueling and repairs, are equipped with spill kits so that in the event of a spill or a leak, it is contained and cleaned up immediately. In addition all wastes are properly labeled and separated.

Furthermore, 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. The maintenance facilities have added spill pans underneath permanent parking stalls for maintenance trucks.

The County emphasizes keeping an education and spill response plan in place throughout the various County facilities, and employees are familiar with proper procedures. These procedures are vital for employees to follow once an emergency occurs.

(4) Illicit discharge control

Sand bags or other containment devices are placed around catch basin inlets at storage facilities to prevent illicit discharges. The County provides extensive training and instructions on prevention of and response to illicit discharges.

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- 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?

Major maintenance yards have self-contained, covered vehicle/equipment wash areas equipped with clarifiers that are connected to the sanitary sewer. For yards located in areas without a sewer system such as Malibu, crews capture and pump wash water into a holding tank and contact a vendor for proper disposal. Other maintenance yards take their vehicles to a local car wash or to a main yard with a properly equipped wash area or have a waste water clarifier, which is connected to an on-site septic system.

Each County-owned airport is equipped with a Sanitation District approved wash facility for aircraft that is connected to a clarifier and sanitary sewer controlled by a rainwater diversion switch.

- 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

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Briefly describe this protocol:

The County follows all Federal, State and local laws pertaining to the purchase, storage and use of pesticides and herbicides. The County's Agricultural Commissioner/Weights and Measures (ACWM) provides training and certifies pertinent County personnel in pesticide application on ground surfaces. In some cases, the ACWM is contracted by some County Departments for pesticide and herbicide application. In other instances, outside licensed vendors or landscaping contractors are retained. They are required to follow all applicable laws, regulations, and protocols as described in their contracts. All the County airports have personnel trained and certified in the application of herbicides on or near the airports. In the case of waste water treatment plants, operators use an EPA approved pesticide/germicide.

- 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. Their field staff is trained during the annual storm water pollution prevention tailgate meetings on the proper use and storage of pesticides, herbicides and fertilizers. The County schedules these activities well in advance, inclusive of spot spraying, and applications are only scheduled during dry weather. In addition, weather forecasts are considered before any application. The County enforces these existing policies with its contractors to ensure that herbicides are sprayed in a proper manner. In addition, these requirements are included in County construction documents, plans, and specifications. Furthermore, there is no application allowed on beaches.

- 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

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- 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 County typically incorporates drought tolerant plants, native vegetation and other vegetative species known to thrive in a particular climate zone into landscaping projects. In most cases mulch is used to retain moisture and prevent weed growth. The County developed a Master Tree list to aid in the selection of native vegetation or other species that are drought resistant or are known to thrive in particular climate zones. In certain areas, the County practices xeriscaping, and uses artificial turf wherever sod needs to be replaced.

Finally, all the County's capital projects include in their construction plans and specifications the implementation of County Ordinances for Green Building, Low Impact Development and Drought-Tolerant Landscaping.

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:	0
Priority B:	0
Priority C:	1,140

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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 County is subject to several trash TMDLs. Implementation measures taken for each trash TMDL are as follows:

- **Los Angeles River - Installed 626 Connector Pipe Screens (CPS) and 32 Automatic Retractable Screens (ARS) as of March 5, 2013. Installation is underway for 256 CPS and 95 ARS as part of the TMDL Full Compliance Catch Basin Retrofit – Phase 7 Project (Phase 7 Project). Planning has commenced for installation of 243 CPS as part of the TMDL Full Compliance Catch Basin Retrofit – Phase 8 Project (Phase 8 Project). The Annual Compliance Report for this TMDL is included in Attachment J-2.**
- **Ballona Creek - Installation is underway for 13 CPS and 4 ARS as part of the Phase 7 Project. Planning has commenced for installation of 49 CPS and 23 ARS as part of the Phase 8 Project. The Annual Compliance Report for this TMDL is included in Attachment J-3.**
- **Machado Lake - Installed 8 CPS as of March 5, 2013. Installation is underway for 9 CPS as part of the Phase 7 Project. Planning has commenced for installation of 19 CPS as part of the Phase 8 Project.**
- **Lake Elizabeth - Installation of CPS on 2 remaining catch basins was completed in September 2012, thereby achieving 100% compliance. Street sweeping continues weekly in the vicinity of Lake Elizabeth.**
- **Malibu Creek - Planning has commenced for installation of 85 CPS as part of the Phase 8 Project.**
- **Santa Monica Bay - Planning has commenced for installation of 289 CPS as part of the Phase 8 Project.**

All CPS and ARS are maintained and cleaned regularly to prevent obstruction and local flooding during storm events.

A billboard campaign about stormwater pollution prevention generated over 800,000 impressions.

In areas not subject to trash TMDLs, other trash reduction efforts are underway including:

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- Planning has commenced for installation of CPS on Priority A catch basins in areas not subject to a trash TMDL, including the San Gabriel River Watershed and Dominguez Channel Watershed, as part of the Phase 8 Project.
- Additionally, the Phase 8 Project also includes installation of trash excluders in the Unincorporated County Commercial and Industrial Land Use Areas within the boundary of the Upper Santa Clara River Watershed EWMP Group, which in conjunction with the City of Santa Clarita's installation of catch basin inserts in similar City land use areas, is proposed as the group's 30-month early action structural project.

On November 16, 2010, the Los Angeles County Board of Supervisors adopted an ordinance to prohibit the distribution of plastic carryout bags at all grocery stores, pharmacies, convenience stores, and food marts in unincorporated areas. This ban went into effect on July 1, 2011, for large stores, and on January 1, 2012, for all smaller stores. The ordinance also imposes a charge of ten cents on each paper carryout bag used. Furthermore, the "AboutThebag.com" website was developed and is regularly updated to provide additional information regarding this ordinance.

On December 15, 2010, the County, in partnership with Heal the Bay, hosted a bag summit to provide information and resources to cities. In addition, during the month of June 2011, the County gave away more than 22,000 reusable bags at various supermarkets and informed residents about the bag ban starting on July 1, 2011. During the month of December 2011, the About The Bag Eco-Elf campaign distributed 7,000 reusable bags at about a dozen participating stores and libraries, and ran a sweepstakes for residents pledging to use reusable shopping bags. As a result of the campaign, over 300 residents have made the pledge at www.AboutTheBag.com. The County has continued to promote reusable bags and distributes thousands of reusable bags at public events throughout 2012.

The County considers the ordinance to be a great success, with affected stores phasing out the use of single use plastic bags and reducing their use of paper bags. Reception from residents has been overwhelmingly positive. Media coverage has also been very positive and assisted in raising awareness of the Ordinance provisions,

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making for a smoother transition. From the reports received from stores so far, there is a 95 percent reduction of single use carryout bag usage from before the Ordinance went into effect to immediately after the Ordinance went into effect. Customers that have been bringing reusable bags to large grocery and drug stores may carry that habit over to all their shopping, including the smaller stores now subject to complying with the Ordinance as of January 1, 2012.

On September 21, 2010, the Los Angeles County Board of Supervisors (Board) adopted a prohibition on the purchase and use of all expanded polystyrene (EPS, aka Styrofoam™) food containers at County operations. In November 2011, the County submitted a report to the Board on the implementation of the prohibition of EPS food containers at County operations and on the feasibility of expanding the restriction to food service establishments and retail stores in the unincorporated County areas. The County developed a recommendation for consideration by the Board, consisting of three components:

1. Pursue the passage of a prohibition of EPS food containers at a Statewide level
2. Partner with the industry to establish a comprehensive program to reduce litter, including EPS food container litter, in the region
3. Consider a ban in unincorporated County areas if measures 1 and 2 above are not found to be successful

A copy of the memo to the Board and submitted Staff Report may be downloaded from the following website: http://dpw.lacounty.gov/epd/eps/pdf/EPS_P2_File.pdf.

Since June 2004, smoking has been prohibited at public beaches in the unincorporated County areas, and since September 2009, smoking has been prohibited at public parks as well. A website (www.LAQuits.com) and toll-free phone hotline (1-800-NO-BUTTS) have been developed. On March 3, 2011, the County Department of Public Health launched a campaign promoting the City of Los Angeles' smoke-free outdoor dining law adopted in January 2010. Business owners and mobile food vendors can learn more about the law and download the proper signage at FreshAirDiningLA.com.

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- e) How many times were all Priority A basins cleaned last year? **N/A**
- f) How many times were all Priority B basins cleaned last year? **N/A**
- 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? **14.34 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
- k) How many new trash receptacles were installed last year? **1**
- 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
 - (2) Arrange for temporary screens to be placed on catch basins? Yes No
 - (3) Or for catch basins in that area to be cleaned out subsequent to the event and prior to any rain? 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%**

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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? **N/A** Yes No

Is the prioritization attached? **N/A** Yes No

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 County 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? **N/A** Yes No

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

The County 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, appropriate measures recommended in the CASQA BMP Handbook are used 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 or legal dump sites. In addition, hazardous materials are picked up by a licensed vendor who is required to keep proper documentation.

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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?

All streets with curbs are swept weekly (except during rain storms). This frequency is more than the permit requires; thus classifying those road segments as Priority A.

Yes No

(2) Priority B - streets and/or street segments that are designated as consistently generating moderate volumes of trash and/or litter?

N/A

Yes No

(3) Priority C – streets and/or street segments that are designated as generating low volumes of trash and/or litter?

All streets without curbs are swept on an as-needed basis, but not less than once per year, which classifies these segments as Priority C.

Yes No

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?

Weekly, except during rainstorms.

Yes No

(2) Priority B - Each Permittee shall ensure that each streets and/or street segments is cleaned at least once per month? **N/A**

Yes No

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

On as-needed basis, but not less than once a year.

Yes No

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- 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? Yes No

- d) Did your agency require that concrete and other street and road maintenance materials and wastes be managed to prevent pollutant discharges? 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? 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.
Some parking lots are swept as frequently as once per week. Yes No

- b) Were any Permittee-owned parking lots cleaned less than once a month? Yes No
How many? **N/A**

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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
- 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

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F. Illicit Connections and Illicit Discharges (IC/ID) Elimination Program (Part 4.G)

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

The County's IC/ID Elimination Program Manual can be downloaded at [http://dpw.lacounty.gov/wmd/NPDES/model links.cfm](http://dpw.lacounty.gov/wmd/NPDES/model_links.cfm), and an update is currently in progress and will be completed prior to WMP/EWMP approval.

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.

Permitted and suspected illicit connections and discharges are stored in the Maintenance Management System (MMS) (database) and spreadsheets. See questions 10 and 13 for further details.

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

The field staff responds immediately to reported spills and discharges, barricades the area, and contains any observed spills or discharges. The 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 Section 9 in the implementation manual Volume V for Illicit Connections and Discharges.

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

For Illicit Connections:
 The illicit connections are entered into the MMS and unique equipment numbers are assigned.

For Illicit Discharges:
 After responding and cleaning up of spills/discharges, the field staff will document the discharge and gather any relevant information on a HMRR. 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 in our jurisdiction, we will refer the complaint 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? **0.5 mile**
6. What length was screened last year for illicit connections? **0.5 mile**
7. What is the total length of closed storm drain that your agency owns and operates? **55 miles**
8. What length was screened last year for illicit connections? **55 miles**
9. Describe the method used to screen your storm drains.

LACDPW's Road Maintenance Division (RMD) performs visual inspections as part of its annual drainage inspection program. Typically the inspections are limited to the drainage inlets and outlets. These inspections are typically performed prior to the start of storm / rainy season (late summer / early fall).

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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	2	2	0	2	2	0	0
02/03	4	4	0	4	4	0	0
03/04	0	0	0	0	0	0	0
04/05	0	0	0	0	0	0	0
05/06	0	0	0	0	0	0	0
06/07	0	0	0	0	0	0	0
07/08	1	1	0	1	1	0	1
08/09	2	1	0	1	1	0	2
09/10	2	1	0	1	1	0	2
10/11	0	0	0	0	0	0	0
11/12	4	3	0	3	3	0	0
12/13	0	0	0	0	0	0	0

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?

21 days

a) Were all identified connections terminated within 180 days?

Yes No

b) If not, explain why.

N/A

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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	18	2	16	0	0	0	0
02/03	73	0	73	0	0	0	0
03/04	11	0	11	0	0	0	0
04/05	77	0	77	0	0	0	0
05/06	65	0	65	0	0	0	0
06/07	39	0	39	0	0	0	0
07/08	219	0	219	7	0	0	0
08/09	72	7	59	28	1	4	1
09/10	34	9	25	3	0	0	0
10/11	6	3	3	1	0	0	0
11/12	2	0	1	1	0	0	0
12/13	7	0	5	2	0	0	0

14. What is the average response time after an illicit discharge is reported? **one business day**

- a) Did any response times exceed 72 hours? Yes No
- b) If yes, explain why.

N/A

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15. Describe your agency's spill response procedures.

Existing spill response procedures are described in the illicit connections/illicit discharge program manual dated June 2002, which can be downloaded at http://dpw.lacounty.gov/wmd/NPDES/model_links.cfm; and the Illicit Discharge Response Procedure Manual and Training Code 15 of the Tailgate Codes and Topics, both available upon request.

The existing spill response plan is currently being updated and will be completed prior to WMP/EWMP approval.

County staff responds to any spills immediately after being notified. The staff's role is to assess and contain the spill. Our staff will ensure that the area in question is secured, cleaned, and all unauthorized people are kept away. A vendor from an approved list is called in to do the actual cleanup. Our staff will document 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?

No suggestions at this time.

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

N/A

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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.

COUNTY OF LOS ANGELES TMDL MONITORING PROGRAMS

The County of Los Angeles participated with other agencies in the following TMDL Coordinated Monitoring Programs:

- Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL
- Ballona Creek Metals and Estuary Toxic Pollutants TMDLs
- Malibu Creek and Lagoon Bacteria TMDL
- Marina del Rey Mothers' Beach and Back Basins Bacteria TMDL
- Marina del Rey Harbor Toxic Pollutants TMDL
- Los Angeles River and Tributaries Metals TMDL
- Los Angeles River Watershed Bacteria TMDL Coordinated Monitoring Plan
- Santa Monica Bay Beaches Bacteria TMDL (Wet and Dry Weather)
- Santa Clara River Estuary and Reaches 3, 5, 6, and 7 Indicator Bacteria TMDL
- Machado Lake Nutrients TMDL
- Machado Lake Toxics TMDL Monitoring and Reporting Plan

Furthermore, the following studies have been initiated by the County:

- Continued implementing the ambient monitoring program in accordance with the Marina del Rey Harbor Toxic Pollutants TMDL CMP. The County of Los Angeles performed water quality monitoring at the Harbor and performed Benthic Sediment and Bioaccumulation Monitoring at the Back Basins of the Marina del Rey Harbor. During the storm season, five monitoring stations were utilized to collect stormwater and estimate loading of metals and organics. Also initiated a pilot study to test a Passive Sediment Collection (PSC) method to capture storm-borne sediment in stormwater for laboratory analysis, which would be used in the effectiveness monitoring phase. During the storm season, three temporary monitoring stations were utilized to collect sediment for analysis to determine if sufficient sediment can be collected so sufficient levels of Copper, Lead, Zinc, Chlordane, and Total Polychlorinated biphenyls (PCBs) can be detected above the Minimum Detection Level. Also, as required by the Marina del Rey Toxic TMDL, two Special Studies were completed. These Special Studies included 1) Partition Coefficient Study which evaluated the partitioning coefficients between the water column and sediment to assess water column discharges into the sediment, and 2) Low Detection Level Study which evaluated a low detection level technique to determine water quality concentrations for those contaminants where standard detection limits cannot be used to assess the California Toxics Rule.

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- The County of Los Angeles individually implemented monitoring in accordance with the nutrients portion of the County's Machado Lake Multi-Pollutant TMDL Monitoring and Reporting Plan (MRP). The County conducted wet and dry weather water quality sampling and measurements of field parameters at three sites, and field measurements at four sites. The first Annual Monitoring Report was submitted to Regional Board on April 25, 2013. The County is also participating in the Dominguez Watershed Management Area and the Palos Verdes Peninsula Watershed EWMP Groups to address this TMDL.
- The toxics portion of the County's Machado Lake Multi-Pollutant MRP was approved by the Regional Water Board on September 18, 2013. A letter to the Regional Water Board will request postponement of water quality monitoring activities until after the approval of the Coordinated Integrated Monitoring Program. The County is participating in the Dominguez Watershed Area Group and the Palos Verdes Peninsula Watershed Group to address this TMDL.
- The Ballona Low Flow Reconnaissance Study – The study aims to characterize, quantify, and identify dry weather runoff in the unincorporated area of Ladera Heights and West Fox Hills. The study involves the installation of fifteen ultra-sonic flow meters at various locations in order to measure the amount of dry-weather runoff. The flow meters will provide data at fifteen minute increments and are planned to be installed from January to June 2014. A representative bacteria sample will be collected bi-weekly and visual observations will also be performed in order to identify dry weather runoff sources. Results from the study will be used to better plan for BMP solutions in the Ballona Creek watershed with regards to the Ballona Creek Bacteria TMDL. The study is being performed as part of the County's Time Schedule Order (TSO) request for the Ballona Creek Dry-Weather Bacteria TMDL.
- The Malibu Creek Microbial Source Tracking Study –This study will determine if the sources of bacteria in 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. The study is being performed as part of the County and Flood Control District's Dry Weather Malibu Creek Bacteria TMDL TSO request.
- Area of Special Biological Significance (ASBS) 24 Monitoring - The County is participating in the Bight'13 monitoring of ASBS 24. Part of this study, consisting of Rocky Intertidal Biological Monitoring, Bioaccumulation, Reference Monitoring, and Plume Tracking, is being performed by SCCWRP and the County is providing funding for its share of this effort. The County is performing additional Bight'13 monitoring of the ASBS consisting of Receiving Water Monitoring and Outfall Discharge Monitoring, which involves

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monitoring of the ocean and at 12 storm drains discharging into the ocean, to characterize the discharges for a variety of constituents that may reach the ocean waters and evaluate whether natural water quality of the ocean is being affected by stormwater runoff.

Although monitoring activities have not begun for all, the County of Los Angeles is collaborating with other agencies through the EWMP and CIMP mechanisms on future monitoring requirements for the following TMDLs:

- Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Species (USEPA est. TMDL)
- Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL
- Lake Elizabeth, Munz Lake, and Lake Hughes Trash TMDL
- Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL (USEPA est. TMDL)
- Los Angeles Area Lakes TMDLs for Lake Calabasas, Echo Park Lake, Legg Lake and Peck Road Park Lake, Puddingstone Reservoir and Santa Fe Dam Park Lake
- 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 Nutrient TMDL
- San Gabriel River and Impaired Tributaries Metals and Selenium TMDL
- Santa Clara River Nitrogen Compounds TMDL
- Santa Monica Bay Nearshore and Offshore Debris TMDL
- Santa Monica Bay TMDL for DDTs and PCBs

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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;

The County believes it is in compliance with the requirements of Order 01-182 and Order R4-2012-0175.

Please refer to Attachment F for program assessments of the PIPP.

2. Descriptions of any evaluation methods that your agency uses to determine the effectiveness of your storm water management program;

Illicit Connection and Illicit Discharge Elimination Program

Program effectiveness can be evaluated using quantitative methods such as the year-to-year comparison of the number of illicit connections and illicit discharges reported/investigated/resolved (see Part IV, Items F10 and 13). Previous years' data revealed a general downward trending in the number of illicit connections and discharges from to year.

The County's MS4 consists of mostly its streets, curbs and gutters, and very few storm drains. It is very rare for County staff to encounter an illicit connection. With so few cases, it is somewhat difficult to develop any trending.

An increase in reported illicit discharges can be a result of a robust reporting program or actual increase in the number of incidents. A decrease can be due to either an actual change in behavior or a less effective reporting program. With extensive outreach, advertising and branding of the 888-CLEANLA hotline and website, the County believes any decrease in illicit discharges is more likely the result of change in polluting behaviors through the efforts of management and staff in implementing the stormwater program (reporting, investigation, and resolution; public education and outreach; etc.), rather than a decrease in reporting.

Measuring program effectiveness can be challenging in choosing meaningful metrics, properly evaluating the data, making assumptions and drawing conclusions, taking into account other factors that may affect the results. In light of some of the known weaknesses of choosing certain measures, the County should explore the use of other metrics to measure program effectiveness.

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Public Information and Participation Program

Program effectiveness is evaluated using quantitative and qualitative methods such as tracking of hotline call levels, hits on the www.888CleanLA.com website, collection levels of household hazardous waste and Electronic Waste (E-Waste), and used motor oil collected, trash measurement data, and anecdotal information gathered from program participants. We continue to implement an innovative and proactive stormwater pollution prevention public education program.

3. A summary of the strengths and weaknesses of your agency's storm water management program;

Strengths

Meeting Permit requirements is the primary strength of the County's stormwater management program. A committed staff willing to learn and "do the right thing" is a key component to success.

Public Information and Participation Program

(See Attachment F for more information)

The primary strength of LACDPW's PIPP continues to be the expertise of our staff to coordinate paid media buys, media relations efforts, copermittee technical assistance, and corporate partnerships in a proficient and cost-effective manner to encourage and facilitate pollution prevention behaviors by County residents. For example, the partnership between LACDPW and O'Reilly stores offered Do-It-Yourselfers a convenient and eco-friendly option to recycle used oil filters at stores located throughout the County.

LACDPW continued to develop and implement creative multimedia campaigns that included broadcast of stormwater pollution prevention messages through the following media outlets: radio; billboards; and newspapers. The campaign messages reached our target audiences and achieved an increase in advertising awareness for the promotion of used motor oil and oil filter recycling among the Chinese Market.

Weaknesses

Public Information and Participation Program

(See Attachment F for more information)

Limited funding is available to implement a comprehensive Countywide campaign through consistent media flighting to address

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all of the types of littering addressed in the numerical behavior change targets approved by the Regional Board in May 2002. Also, the cultural diversity of the target audiences continues to provide challenges to reach these residents and increase awareness about stormwater pollution in a cost effective manner to achieve the desired behavior change among these target audiences.

4. A list of specific program highlights and accomplishments;
- **On March 5, 2013, the County of Los Angeles completed installation of 626 Connector Pipe Screens (CPS) and 32 Automatic Retractable Screens (ARS) on catch basins for the unincorporated areas of Los Angeles County within the Los Angeles River Watershed. Installation is underway for 256 CPS and 95 ARS as part of the TMDL Full Compliance Catch Basin Retrofit – Phase 7 Project (Phase 7 Project). Planning has commenced for installation of 243 CPS as part of the TMDL Full Compliance Catch Basin Retrofit – Phase 8 Project (Phase 8 Project).**
 - **Oxford Retention Basin Enhancement Project - Design plans were completed for Oxford Retention Basin Enhancement Project in the Marina del Rey watershed. The Project is designed to enhance flood protection, reduce runoff pollution, and significantly improve the quality of plant and wildlife habitat within the facility, as well as its aesthetic appeal. Diseased trees and non-native plants will be replaced with more native drought-tolerant species. The project will also provide new recreational and safety amenities, including a walking path, observation areas, wildlife-friendly lighting and more attractive tubular fencing. The project also involves the removal of existing contaminated sediment in the basin. The Project is expected to begin construction in 2014.**
 - **Parking Lot 5 and 7 BMP Retrofit - Initiated the Parking Lot 5 and 7 BMP Retrofit Projects in the Marina del Rey Watershed. The project proposes to treat stormwater runoff from the County parking lots 5 and 7 using water quality enhancement BMPs such as bioswales and bioretention. This project was proposed in the Marina del Rey bacteria and multi-pollutant TMDL implementation plans. Draft final design has been completed. The construction is planned to start in 2014.**
 - **Fire Station 150 – Construction of the new Fire Station 150 in Santa Clarita was completed in 2013. The project incorporated BMPs to address stormwater runoff including an onsite stormwater retention system, a landscaped bioswale, a rain diversion switch at the vehicle wash area, a sand/oil separator, and a Filtera unit.**

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- **Avocado Heights Multiuse Trail Project - This project will construct multiuse trails to provide a safer route to equestrian, bicycle, and pedestrian users away from existing traffic hazards in the unincorporated area of Avocado Heights. The majority of the existing roadway width will be reduced from 40 to 36 feet, thereby reducing the amount of impermeable surfaces as well as runoff. Approximately 2,300 feet of the multiuse trail will be constructed with decomposed granite and an infiltration swale will be constructed immediately adjacent to San Jose Creek. Combined together, up to 115 acre-feet of groundwater will be recharged annually. The water will be returned to the ground along with potential sources of bacteria due to horse manure runoff from the streets, thus improving the water quality of San Jose Creek. The project was awarded on May 14, 2013 and is expected to be complete by February 2014. The project cost is estimated at approximately \$4 Million. In accordance with the 2012 MS4 Permit, this project was selected by the Upper San Gabriel River Enhanced Watershed Management Program Group to demonstrate its responsibility to improving water quality in the watershed during its 30-month EWMP plan development.**

- **Green St. and Brandon St. Road Improvement Project - This project will reconstruct approximately 0.55 miles of roadway on two streets in the Unincorporated area of East Pasadena. The design includes several green street elements including permeable pavers, bio-retention planters, sediment filtration catch basins, and an underground infiltration basin. Approximately 1,800 feet of bio-retention planter boxes (bio-swales) will be constructed throughout the project limits. In addition, an underground infiltration basin system will be installed at the cul-de-sac of Green Street with 5,800 cubic feet of infiltration capacity. Trees and drought-tolerant plants will also be added throughout the project. Much of the runoff from the streets and private properties that had previously drained to Rio Hondo untreated will now infiltrate through the permeable sidewalks and gutters, bio-swales, and infiltration basin. This will help augment the groundwater and prevent pollutants from entering the Los Angeles River. The project advertised in September 2013 and is expected to begin construction in early 2014. The project cost is estimated at approximately \$2.9 Million. In accordance with the 2012 MS4 Permit, this project was selected by the Upper Los Angeles River Watershed Group to demonstrate its responsibility to improving water quality in the watershed during its 30-month EWMP plan development.**

- **2009 LID Ordinance - Continued to implement the LID Manual released in January 2009 by the County of Los Angeles to incorporate sustainable practices that improve runoff water**

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quality, recharge groundwater, and reduce hydromodification in support of the LID Ordinance adopted by the Board of Supervisors in November 2008. The LID manual describes sustainable practices that developers can design that will protect surface and groundwater quality, maintain the integrity of ecosystems, and preserve the physical integrity of receiving waters by managing stormwater runoff. This manual was developed to set design requirements for development and redevelopment. Developers must incorporate design features to match the predevelopment runoff volume of the site for several design storm options, including 85th percentile or 3/4" rainfall event. If the developed site yields a greater volume of runoff compared to the pre-developed site, the excess runoff must be infiltrated, captured and reused, treated and released or evapotranspired by using BMPs identified in the LID manual. The developers also must adhere to the design specifications and maintenance criteria for the BMPs that are listed in the LID manual and the BMP maintenance manual.

- **2013 LID Ordinance - In response to the passing of the 2012 MS4 permit by the Regional Board, the County has begun the process of revising its current LID Ordinance which has been in effect since January 2009. The major revisions to the ordinance are redefining the Water Quality Design Storm Volume (WQDSv) that the BMP must treat to be either the 3/4 inch or the 85th percentile rainfall event, whichever is greater and revisions to the hydromodification Policy. The revised ordinance will first require the WQDSv to be infiltrated onsite, and if that is determined infeasible then the project must store and reuse the WQDSv. If that is determined infeasible to store and reuse onsite, the project can either biofilter 1.5 times the WQDSv, infiltrate the WQDSv at an offsite location, retrofit an existing project to infiltrate the WQDSv, or provide groundwater recharge of the WQDSv. These revisions to the LID Ordinance were adopted by the Board of Supervisors in November 2013. An updated Low Impact Development Standards Manual, to complement the revised ordinance and incorporating all of the changes discussed, will be completed in December 2013.**
 - **Please refer to Attachment F for a list of program highlights and accomplishments for PIPP.**
5. A description of water quality improvements or degradation in your watershed over the past fiscal year;
- **Refer to the Los Angeles County Flood Control District's Annual Monitoring Report.**

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6. Interagency coordination between cities to improve the storm water management program;

- **Interagency coordination between the County, LACFCD, and the cities is facilitated through the EAC and WMC meetings. This has been effective in broadening communication between Permittees. Additionally, coordination of the PIPP is enhanced by quarterly meetings hosted by the LACFCD.**
- **Interagency coordination of the 1-888-CLEAN-LA environmental hotline afforded turnkey coordination of responses to illicit discharge complaints and directed calls such as illicit discharge complaints to a representative in the appropriate jurisdiction so corrective action can be taken.**

7. Future plans to improve your agency's storm water management program; and

The County will work with Permittees to initiate integrated watershed planning.

8. Suggestions to improve the effectiveness of your program or the County model programs.

See Attachment F for PIPP

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 County of Los Angeles has implemented all permit requirements.

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

None at this time.

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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 16 day of December, 2013

at Alhambra Calif.

Printed Name Gary Hildebrand Title Asst. Deputy Director

(Signature) 

Signature by duly authorized representative

VI
VI

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