Uninc. County

Annual Report, Individual Form

Reporting Year 2015-2016

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

Contact Information

Permittee Name	County of Los Angeles
Permittee Program Contact	Principal Engineer
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County of Los Angeles

1. Legal Authority and Certification

Complete the items on this page.

1.1 Answer the following questions on Legal Authority *[VI.A.2.b]*

	Yes	No
Is there a current statement certified by the Permittee's chief legal counsel that the Permittee has the legal authority within its jurisdiction to implement and enforce each of the requirements contained in 40 CFR § 122.26(d)(2)(i)(A-F) and the Permit?	☒	☐
Has the above statement been developed or updated within the reporting year? If yes, attach the updated legal authority statement to this report.	☐	☒

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

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

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

a. The authorization is made in writing by a principal executive officer or ranking elected official.

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)

c. The written authorization is submitted to the Regional Board.

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

Signature [illegible]

Title Assistant Deputy Director

Date 12/7/16

1: Legal Authority and Certification

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

Yes

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

No

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

No files attached

1.2 Completed the required certification below [Attachment D, V.B.5]:I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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attach_1_county_ar_cert_w_sig.pdf

See Section 1 Attachments for the contents of this file

2: Fiscal Section

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

The County of Los Angeles' (County) 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. Prop. A Local Return Funds, and Measure R. For the upcoming year, in addition to these same funding sources, the County is actively pursuing various grant opportunities and public-private partnerships to fund the implementation of the MS4 Permit, including the projects and programs described in the approved Watershed Management Programs and Enhanced Watershed Management Programs that it is participating in.

2.2 Complete the table on program expenditures below [Attachment D – VII] [1]

Category	Expenditures for Reporting Year (2015-16)	Anticipated Expenditures for Next Reporting Year (2016-17)
Program Management	$1,874,000	$1,978,000
Public Information and Participation Program	$1,569,000	$1,711,000
Industrial & Commercial Facilities Program	$545,000	$686,000
Planning and Land Development Program	$1,447,000	$1,707,000
Development Construction Program	$1,010,000	$1,119,000
Public Agency Activities Program	$27,959,000	$39,562,000
Illicit Connections and Illicit Discharges Program	$928,000	$1,164,000
Additional Institutional BMPs & Enhanced MCMs	$1,127,000	$2,560,000

Distributed Projects and Green Streets	$714,000	$12,708,000
Regional Projects	$1,433,000	$12,150,000
Restoration Projects	$0	$0
Monitoring	$3,419,000	$7,645,000
Other	$6,123,000	$6,165,000
Total	$48,148,000	$89,155,000

2.3 Please add any additional comments on stormwater expenditures below:

The total expenditures reported for FY 15-16 for the Public Agency Activities Program has decreased from prior year expenditures due to a recent reevaluation of financial information related to sewer maintenance activities. The County's Sewer Maintenance Districts are currently regulated under the Statewide General WDR for Sanitary Sewer Systems (Order No. 2006-0003-DWQ). Expenditures related to the WDR are reported in the Sewer System Management Plan Audits completed every two years as required by the WDR. Sewer maintenance activities required by the MS4 Permit overlap with those required under the WDR. To eliminate double reporting of the same expenditures, only those activities that most closely align with the MS4 Permit requirements are now reflected in the expenditures included in the table above.

Monitoring includes costs associated with ASBS, CIMP, TMDL, and Special Studies.

Other includes costs associated with WMP and EWMP planning, and TMDL planning and implementation.

3: Discharge Prohibitions and Receiving Water Limitations

3.1 Did you develop and implement procedures to ensure that a discharger, if not a named Permittee in this Order, fulfilled the requirements of Part III.A.4.a.i-vi? If so, provide a link to where the procedures may be found or attach to the Annual Report. [III.A.4.a]

The County, in collaboration with the Los Angeles County Flood Control District (LACFCD), has sent several letters to drinking water suppliers to remind them of their obligations under the MS4 Permit. In addition, the County also requested copies of records for all discharges greater than 100,000 gallons. A copy of the letter sent during this reporting year has been included as Attachment 3.1.

3.2 Did you develop and implement procedures that minimize the discharge of landscape irrigation water into the MS4? If so, provide a link to where the procedures may be found or attach to the Annual Report. [Prohibitions – Non-Stormwater Control Measures (III.A.4.a.b)]

The County has a Water Conservation Ordinance (Title 11, Division 1, Chapter 11.38, Part 4 – 11.38.630) that limits watering of lawns and landscaping and prohibits the discharge of landscape irrigation water onto adjacent property, non-irrigated areas, private and public walkways, roadways, structures, adjoining streets, parking lots, or alleys. The ordinance can be found at https://www.municode.com/library/ca/los_angeles_county/codes/code_of_ordinances?nodeId=16274.

The Los Angeles County Waterworks Districts offers a “Cash for Grass” Rebate Program in the areas it services. This program offers customers a rebate for removing water-inefficient grass with drought-tolerant landscaping, which promotes water conservation. More information on the “Cash for Grass” program can be found at http://dpw.lacounty.gov/wwd/web/Conservation/CashForGrass.aspx.

The County also offers Smart Gardening Workshops throughout the region to educate residents about water-wise gardening and landscaping with native drought-tolerant plants. For more information on the Smart Gardening Workshops, visit http://dpw.lacounty.gov/epd/sg/.

3.3 Where Receiving Water Limitations were exceeded, describe efforts that were taken to determine whether discharges from the MS4 caused or contributed to the exceedances and all efforts that were taken to control the discharge of pollutants from the MS4 to those receiving waters in response to the exceedances. [Integrated Monitoring Compliance Report (Attachment E – XVIII.A.5.e)]

During this reporting period, no new receiving water limitation exceedances, beyond those being addressed by the approved WMPs and EWMPs, were identified. The County is participating in 11 EWMPs and 1 WMP group, which cover all Unincorporated Areas of the County. The approved WMPs and EWMPs are designed to achieve compliance with receiving water limitations. Accordingly, for existing exceedances that have been identified in the WMPs and EWMPs, the County is implementing actions in accordance with the timelines identified in the WMPs and EWMPs to address them. Pursuant to the provisions of the receiving water limitations and watershed management programs of the permit, compliance with the WMPs and EWMPs constitutes compliance with the receiving water limitations.

✔ See Watershed Form

3.4 If receiving water limitations were exceeded, describe the BMPs that are currently being implemented and additional BMPs, including modifications to current BMPs that will be implemented to prevent or reduce any pollutants that are causing or contributing to the exceedances of receiving water limitations. [Receiving Water Limitations (Integrated Monitoring Compliance Report) (V.A.3.a)]

Current BMPs and additional BMPs to be implemented are described in the County's approved WMPs and EWMPs.

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

attach_3.1_drinking_water_systems_letter.pdf

See Section 3 Attachments for the contents of this file

4: Monitoring

Table 4.1a: Summary of Non-Storm Water Based Screening and Monitoring [2,3]

	Receiving Water	No. of Major Outfalls	No. of Outfalls Screened	Total No. of Outfalls Screened Since 12/28/2012	Total Confirmed	Total Abated	Total Attributed to Allowable Sources	Total No. Being Monitored
1	Alamitos Bay - All	4	Screening of all major outfalls was completed in FY 14-15	4	0	N/A	N/A	0
2	Ballona Creek - All	See watershed form						
3	Dominguez Channel - All	See watershed form						
4	Malibu Creek - All	7	7	7	0	N/A	N/A	0
5	Marina del Rey - All	Due to all the major outfalls being submerged in this watershed, an alternative NSW screening process was approved as part of the CIMP in April 2016. The NSW report will be provided as part of next year's report.						
6	North Santa Monica Bay - All	10	10	10	0	N/A	N/A	0
7	Palos Verdes Peninsula - Machado Lake	See watershed form						

8	Rio Hondo/San Gabriel River - All	See watershed form						
9	Santa Monica Bay J2/J3 - Santa Monica Bay	See watershed form						
10	Upper Los Angeles River - All	See watershed form						
11	Upper San Gabriel River - All	See watershed form						
12	Upper Santa Clara River - All	60	59	59	0	N/A	N/A	0

✔ **See Watershed Form**

Table 4.1b: Summary of Non-Stormwater Discharges Abated

	Receiving Water	Abatement Method	Total No.
1			
2			
3			

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

See Watershed Form

✔ **See Watershed Form**

4.3 Document changes to non-stormwater outfall based screening and monitoring program, if applicable. (must be re-assessed once during the permit term) [Outfall Screening and Monitoring Plan Re-assessment (Attachment E – IX.B.2.)]

See Watershed Form

✔ **See Watershed Form**

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⚠ No files attached

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

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

The County, in collaboration with the LACFCD, coordinated a Countywide stormwater billboard media campaign that displayed anti-litter messages on the topic of cigarette butts, and used motor oil and oil filters recycling. Thirteen billboard ads were posted between July 1, 2015, and July 14, 2015, in the following County unincorporated areas: Los Angeles, Avocado Heights, Hacienda Heights, Torrance, Compton, and West Athens.

Additionally, a restaurant Best Management Practices ad was circulated online through the California Restaurant Association website, calrest.org, as a vertical banner. The BMP ad ran online between July 1, 2015, and July 31, 2015.

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

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

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

Category	Yes or No	Number of Points of Purchase (if available)
Automotive Part Stores	Yes	48 Stores

Home Improvement Centers | Lumber Yards | Hardware Stores | Paint Stores	No	
Landscaping | Gardening Centers	No	
Pet Shops | Feed Stores	No	

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

The County, in collaboration with the LACFCD, maintains a website that provides educational materials and opportunities for public participation towards stormwater pollution prevention and clean-up. The County's website can be accessed at: http://dpw.lacounty.gov/PRG/StormWater/index.cfm. Additional stormwater-related information can be found at www.CleanLA.com.

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

The County provides materials and programs for in-school students enrolled in grades K-12 through classroom lesson plans, assembly presentations, teacher workshops, special events, and service learning projects through the two Countywide School Education Programs.

The County's Environmental Defenders program is designed for students in grades K-6 and the Generation Earth program is designed for students in grades 7-12.

Students have the option to further learn about reducing stormwater pollution prevention through the interactive Environmental Defenders website at: http://dpw.lacounty.gov/epd/environmental-defenders/.

5.1f) Did you tailor your public education and outreach program to address watershed priorities since the previous reporting year? If so, identify the watershed priorities addressed. Optional: If you made any changes to your program, elaborate.

The County's Public Information and Participation Program is implemented Countywide and continues to focus on general messaging on stormwater pollution prevention applicable throughout the region.

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

No files attached

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

5.2a) Answer the questions below: [4]

Question	Answer
Did you maintain and update a watershed-based inventory or database containing the latitude-longitude coordinates of all industrial and commercial facilities within its jurisdiction that are critical sources of stormwater pollution?	Yes
How many commercial facilities identified in Part VI.D.6.b did you inspect? If none explain.	607
As part of the inspections conducted did you evaluate that stormwater and non-stormwater BMPs are being effectively implemented in compliance with municipal ordinances?	Yes
How many initial mandatory compliance inspections did you conduct of industrial facilities identified in Part VI.D.6.b ? If none explain.	478
How many facilities did you refer to the Regional Board for failing to obtain coverage under the Industrial General Permit and-or failure to have a Stormwater Pollution Prevention Plan (SWPPP) available on-site?	28

5.2b) Describe the number and nature of any enforcement actions taken related to the industrial and commercial facilities program.

5 Notices of Violation Compliance (NOVC) for illicit discharges (ID).
12 NOVC for deficient Best Management Practices (BMPs).
17 NOVC for failure to comply with Stormwater Certificate requirements.
30 NOVC for not filing for Stormwater Certificates.
34 NOVCfor not filing Notice of Intent (NOI) with the Regional Board

5.2c) Did you tailor your Industrial and Commercial Facilities Program to address watershed water quality concerns since the previous reporting year? If so, identify the water quality concerns and describe how the program was tailored to address each concern.

Optional: If you made any changes to your program, elaborate. [Selection of Watershed Control Measures (VI.C.5.b.iv.)]

The County’s Industrial and Commercial Facilities Program continues to focus on tracking, education, and regular inspection of source control BMPs of critical industrial and commercial sources within the unincorporated County areas.

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

No files attached

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

5.3a) New Development Projects: Complete the table below. Reporting new development projects by categories is optional. If different categories are used by the Permittee or new development and redevelopment activities are combined, the table may be edited to include those categories and/or information.[5,6,7]

	Receiving Water	Category	Number of Projects Completed	Number of Projects Addressed by Alternative Compliance Measures	Area Addressed by Projects	Est. Total Volume (SWQDv) Retained Onsite (Not Including Alternative Compliance Projects)
1		Development Projects	1	0	4.5	24,840
2		Industrial Parks	0	0	0	0
3		Commercial Malls	6	0	10.05	20,840
4		Retail Gasoline Outlets	0	0	0	0
5		Restaurants	0	0	0	0
6		Parking Lots	3	0	4	9,231
7		Street and Road Construction	0	0	0	0
8		Automotive Service Facilities	0	0	0	0
9		Applicable Projects near Significant Ecological Areas	0	0	0	0
10		Single-family Hillside Homes	0	0	0	0
11		Development Projects				

5.3b) Redevelopment Projects. Complete the table below. Reporting redevelopment projects by categories is optional. If different categories are used by the Permittee or new development and redevelopment activities are combined, the table may be edited to include those categories and/or information.[8,9]

	Receiving Water	Category	Number of Projects Completed	Number of Projects Addressed by Alternative Compliance Measures	Area Addressed by Projects	Est. Total Volume (SWQDv) Retained Onsite (Not Including Alternative Compliance Projects)
1		Industrial Parks	0		0	0
2		Commercial Malls	0		0	0
3		Retail Gasoline Outlets	0		0	0
4		Restaurants	0		0	0
5		Parking Lots	0		0	0
6		Automotive Service Facilities	0		0	0
7		Applicable Projects near Significant Ecological Areas	0		0	0
8		Other	0		0	0
9		Industrial Parks				

5.3c) Planning and Land Development Efforts beyond Permit Requirements. If applicable, describe Planning and Land Development activities that went above and beyond the permit requirements (e.g. stricter LID ordinance, small-site LID). **Tables 5a and 5b** above may be edited or an additional table may be included here to include these activities.

The County requires development projects within its jurisdiction to comply with its LID Ordinance. Projects that require stormwater mitigation under the current MS4 permit are considered “designated” projects as defined in the LID Ordinance. A link to the LID Ordinance is provided below. The LID Ordinance also requires non-designated projects to mitigate for stormwater. Typically, non-designated projects include single family residences and other development projects that do not meet the impervious area threshold for new or redevelopment but are still

required to implement prescribed post-construction BMPs. For this annual reporting period, only the designated projects are reported in Tables 5a and 5b Non-designated projects, projects that are not required to mitigate for stormwater runoff under the current MS4 permit but completed under the County's LID Ordinance, are listed in Tables 6b and 6c. In addition, the County's project tracking system was updated to include reporting categories for new development and redevelopment projects. These two categories will be made distinct in future annual reports. Los Angeles County LID Ordinance:
https://www.municode.com/library/ca/los_angeles_county/codes/code_of_ordinances?nodeId=TIT12ENPR_CH12.84LOIMDEST

5.3d) Summary of New and Redevelopment Projects using Alternative Compliance Measures: Complete the table below.[10,11]

	Receiving Water	Category	Number of Projects Constructed	Area Addressed by Projects	Est. Volume Retained	Area Addressed by Biofiltration	Volume Addressed by Biofiltration
1		Onsite Biofiltration	5	10	0	10	17,833
2		Offsite Infiltration	0	0	N/A	N/A	N/A
3		Ground Water Replenishment Projects	0	0	N/A	N/A	N/A
4		Offsite Project – Retrofit Existing Development	0	0	N/A	N/A	N/A
5		Regional Storm Water Mitigation Program	0	0	N/A	N/A	N/A

5.3e) Alternative Compliance Measures – Offsite Projects [VI.D.7.c.iii.5.f]: (If Applicable) Complete the table below. [12]

	Pending Offsite Projects	Location	General Design Concept	Volume of Water Expected to Be Retained	Total Estimated Budget
1	N/A	N/A	N/A	N/A	N/A
2					
3					

5.3f) Alternative Compliance Measures – Regional Storm Water Mitigation Program [VI.D.7.c.vi]: (If Applicable) Complete the table below.[13]

	Mitigation Program	Description	Area Addressed by Mitigation Program (in Acres)	Estimated Flow Reduction (from submitted design specifications)	Cumulative Number of New and Redevelopment Projects	Addressed by Project Flow Reduction Which Would Have Been Achieved by Retaining SWQDv on-site
1	N/A	N/A	N/A	N/A	N/A	N/A
2						
3						

5.3g) Control Measures for Projects Greater than 50 Acres [Attachment E – XVIII.A.6.e]: (If Applicable) Provide a detailed description of control measures to be applied to new development or redevelopment projects disturbing more than 50 acres:

Projects greater than 50 acres must comply with Ordinance 2013-0044 amending Chapter 12.84 of Title 12 – Environmental Protection of the Los Angeles County Code. This ordinance sets Low Impact Development, water quality, and hydromodification standards. Hydromodification Control Requirements is on pages 15-17, Section 12.84.445 of the Ordinance. In addition, projects larger than 50 acres are required to undergo a rigorous grading permit approval process including ensuring that all stormwater best management practices are addressed in accordance to the MS4 Permit and LID Ordinance requirements.

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

There were no enforcement actions taken related to the Planning and Land Development Program during this reporting period.

5.3i) If any of the requested information cannot be obtained, provide a discussion of the factor(s) limiting its acquisition and steps that will be taken to improve future data collection efforts.

All information requested is being tracked in the County’s permitting system. Next year, the tracking of redevelopment projects will include the type of priority project.

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

5.4a) Part 1 - Answer the questions below regarding construction sites 1 acre and greater [VI.D.8.e-j].[14]

Question	Yes or No
Did you use an electronic system to inventory 1) grading permits 2) encroachment permits 3) demolition permits 4) building permits or 5) construction permits (and any other municipal authorization to move soil and/or construct or destruct that involves land disturbance) that you issued?	Yes
Did you track the date that you approved the Erosion and Sediment Control Plans (ESCP) or CGP SWPPPs for new sites permitted and sites completed?	Yes
Did you develop procedures to review and approve an ESCP (or a SWPPP prepared in accordance with the requirements of the Construction General Permit) that contains appropriate site-specific construction site BMPs that meet the minimum requirements of a Permittee's erosion and sediment control ordinance?	Yes

5.4a) Part 2 - Answer the questions below regarding construction sites 1 acre and greater [VI.D.8.e-j].[14]

Question	Answer
How many inspections for the inventoried construction sites were conducted during the reporting period?	375
How many sites within your jurisdiction discharge to a tributary listed by the state as an impaired water for sediment or turbidity under the CWA 303(d)? If not zero answer questions (a) - (c) below.	6
(a) How many inspections did you conduct during the reporting period when two or more consecutive days with greater than 50% chance of rainfall were predicted by NOAA?	47
(b) How many inspections did you conduct within 48 hours of a half-inch rain event?	9
(c) How many additional inspections did you conduct to meet the at least once every two weeks inspection frequency requirement?	22
How many sites within your jurisdiction were determined to be a significant threat to water quality? If not zero answer questions (d) – (f) below.	25

(d) How many inspections did you conduct during the reporting period when two or more consecutive days with greater than 50% chance of rainfall are predicted by NOAA	40
(e) How many inspections did you conduct within 48 hours of a half-inch rain event?	8
(f) How many additional inspections did you conduct to meet the at least once every two weeks inspection frequency requirement?	22
How many construction sites within your jurisdiction posed no significant threat to water quality and did not discharge to a tributary listed by the state as an impaired water for sediment or turbidity under the CWA 303(d)? If not zero answer question (g) below.	51
(g) How many inspections of those sites did you conduct during the reporting period to meet the minimum monthly inspection frequency requirement?	36
How many completed construction sites did you inspect to ensure that all graded areas have reached final stabilization and that all 1) trash 2) debris 3) and 4) construction materials and temporary erosion and sediment BMPs have been removed?	19

5.4b) Answer the following question regarding construction sites less than 1 acre in area [VI.D.8.d]:

Question	Yes or No
For construction sites less than 1 acre did you require the implementation of an effective combination of erosion and sediment control BMPs from Table 12 of the LA County MS4 Permit to prevent erosion and sediment loss and the discharge of construction wastes through the use of the Permittee's erosion and sediment control ordinance or building permit?	Yes

5.4c) How did you ensure that all staff whose primary job duties are related to implementing the construction stormwater program is adequately trained? [VI.D.8.l]

An annual refresher class was provided to all building inspectors. Weekly inspection reports are submitted to the area supervisors and reviewed. BMPs are discussed at weekly job meetings and at quarterly inspectors meetings. All plan check engineers, office managers, and inspectors are trained on the requirements of the Development Construction Program and stormwater BMPs.

5.4d) Describe the number and nature of any enforcement actions taken related to the development construction program.

The County issued 139 notices of violation during this reporting period with the same number of follow-ups. Enforcement action was taken against two projects. One was taken to court and found to be in violation; the other received a letter and subsequently complied.

5.4e) Did you tailor your Development Construction Program to address watershed water quality concerns since the previous reporting year? If so, identify the water quality concerns and describe how the program has been tailored to address each concern. Optional: If you made any changes to your program, elaborate. [Selection of Watershed Control Measures (VI.C.5.b.iv.)]

The County's Development Construction Program continued to focus on inspections of constructions sites for implementation of applicable BMPs as described in the MS4 Permit.

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No files attached

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

5.5a) Answer the following questions:

Question	Yes or No
Did you maintain an updated inventory of all Permittee-owned or operated (i.e. public) facilities within your jurisdiction that are potential sources of stormwater pollution?	Yes
Did you develop an inventory of retrofitting opportunities that meets the requirements of Part VI.D.9.d. of the LA MS4 Permit?	Yes
Were all Permittee-owned parking lots exposed to storm water cleaned at least once per month?	Yes

5.5b) What did you do to ensure effective source control BMPs for the activities listed in Table 18 of the LA MS4 Permit were implemented at Permittee-owned or operated facilities?:

Tailgate meetings and regular inspections weare completed to ensure that the General and Activity Specific BMPs listed in Table 18 were in use at the County's facilities and when conducting the specified activities.

5.5c) What procedures (or standardized protocol) did you implement to try to ensure there was no application of pesticides or fertilizers (1) when two or more consecutive days with greater than 50% chance of rainfall are predicted by NOAA, (2) within 48 hours of a ½-inch rain event, or (3) when water is flowing off the area where the application is to occur?

The weather forecasts provided by NOAA and weather.com were consulted daily. Pesticides and fertilizers were not applied if precipitation was expected during the next three days. Applicators were informed daily via cell phone of the expected weather to ensure applicable protocols were followed. At many facilities, no fertilizers or pesticides were used on the landscaped areas. In addition, a Countywide Integrated Pest Management (IPM) Program was developed that clearly describes the procedures and appropriate timing for pesticide and fertilizer application. More information on the Countywide IPM Program can be found at www.LACountyIPM.org.

5.5d) How did you ensure employees in targeted positions (whose interactions, jobs, and activities affect stormwater quality) were trained on the requirements of the overall stormwater management program, and contractors performing privatized/contracted municipal services were appropriately trained?

Annual training was conducted for both field and office staff in targeted positions. Tailgate meetings were held for field staff to ensure awareness of stormwater pollution prevention BMPs. Records of the annual training are kept

on file. For residents, private developers, and contractors, the County of Los Angeles has available various procedures manuals and guides such as: Construction Site Best Management Practices (BMPs) Manual, BMP/SWPPP Staff Guide, and the Storm Water Pollution Prevention Plan (SWPPP) Manual, which provide information regarding stormwater mitigation guidelines for development and construction. In addition, projects submitted and/or deemed complete after the effective date of the MS4 Permit are subject to the County of Los Angeles' LID Ordinance. All applicants are required to conform with the applicable requirements in the final engineering documents for their projects.

5.5e) Public Agency Retrofit Projects: (If Applicable) Complete **Table 5f** below.[15]

Category	Number of Projects Constructed	Acres of Effective Impervious Area disconnected from MS4	Est. Total Runoff Volume retained onsite
Retrofit Projects			
Other Projects that intercept runoff	Refer to Table 6e		
Watershed TMDL related projects	Refer to Table 6d		

✔ **See Watershed Form**

5.5f) Catch Basin Inspection and Cleaning Schedule (VI.D.9.h.vii.). Complete the table below for areas with no Trash TMDL:

Priority	Number of Catch Basins	Inspections Performed	Number Cleaned
A	8	8	8
B	3	3	3
C	598	598	598

5.5g) In areas that are not subject to a trash TMDL and when outfall trash capture is provided, provide any revisions to the schedule for inspection and cleanout of catch basins:

The County did not utilize outfall trash capture systems.

5.5h) Channels and Drainage Structures: Complete the table below.

Type	Miles of Open Channel	Description of Structure(s)	Frequency of Inspection	Debris Removed Prior to Wet Season (pounds)	Additional Notes
Open Channel	0.5		Annually	100-150 CY	
Other					

5.5i) Street Sweeping: Complete the table below:

Total Curb Miles	Curb Miles Swept
Priority A (greater than once per month)	3654
Priority B (once per month)	0
Priority C (as needed once per year minimum)	0

5.5j) Did you tailor your Public Agency Activities Program to address watershed water quality concerns since the previous reporting year? If so, identify the water quality concerns and describe how the program has been tailored to address each concern. Optional: If you made any changes to your program, elaborate. [Selection of Watershed Control Measures (VI.C.5.b.iv.)]

The County's Public Agency Activities Program continues to focus on appropriate implementation of BMPs at its facilities and during its activities as described in the Permit. Streets with curbs are swept weekly, which is more frequent that the Permit requires.

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

⚠ No files attached

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

5.6a) Answer the following questions regarding Illicit Discharges [VI.D.10.b] [16]

Question	Number
How many reports of illicit discharges did you respond to?	45
How many investigation(s) did you initiate to identify and locate the source of reported illicit discharges?	19

5.6b) Provide summary of actions taken to eliminate illicit discharges consistent with IC/ID requirements.

Field staff immediately responds to reported spills and illicit discharges, barricades the area, and contains any observed spills or discharges. If discharged material is identified as oil or paint, and it does not exceed a total volume of five gallons or 50 lbs., the County's Road Maintenance Division (RMD) collects and transfers it to a permitted hazardous waste storage site. If the discharged material is not identified as oil or paint, or exceeds a total volume of five gallons or total weight of 50 lbs., field staff contacts a vendor for immediate clean up and files a Hazardous Material Release Response (HMRR) report. If a responsible party of the spill is identified, the responsible party is billed for the cleanup. Situations requiring formal enforcement (e.g., warning letter, Notice of Violation, referral to District Attorney, etc.) are referred to the County's Environmental Programs Division (EPD). Subsequent to such referrals, EPD follows the enforcement procedures for eliminating illicit discharges. This information is then entered into a database for tracking. If the spill is a plastic pellet spill, the Regional Board is notified within 24 hours of the County becoming aware of the spill.

Note for Question 5.6c - Some connection investigations are still ongoing, other resulted in permits being issued, and the rest of the connections were found to be permitted, but had not been properly documented.

5.6c) Answer the following questions regarding Illicit Connections [VI.D.10.c]: [17]

Question	Number
How many investigations did you initiate upon discovery or upon receiving a report of a suspected illicit connection?	0
For the reported illicit connections for which you initiated an investigation, how many were eliminated within 180 days of completion of the illicit connection investigation? Note: If the number of illicit connections investigated does not equal the number of illicit connections eliminated, please attach supplemental PDF explaining why at end of section.	0

For investigations initiated, for how many inspections did you determine the following: (1) Source of the connection.	0
For investigations initiated, for how many inspections did you determine the following: (2) Nature and volume of discharge through the connection.	0
For investigations initiated, for how many inspections did you determine the following: (3) Responsible party for the connection.	0

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

Question	Yes or No
Did you maintain or provide access to a hotline to enable the public to report illicit discharges/connections?	Yes
Did you continue to implement a training program regarding the identification of IC/IDs for all municipal field staff who as part of their normal job responsibilities (e.g. street sweeping | storm drain maintenance | collection system maintenance | road maintenance) may come into contact with or otherwise observe an illicit discharge or illicit connection to the MS4?	Yes

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

Six illicit discharges required enforcement resulting in notices of violations issued. Illicit connections are reported for enforcement action including notices to the responsible party to remove the connections.

5.6f) Did you tailor your Illicit Connections and Illicit Discharges Elimination Program to address watershed water quality concerns since the previous reporting year? If so, identify the water quality concerns and describe how the program has been tailored to address each concern. Optional: If you made any changes to your program, elaborate. [Selection of Watershed Control Measures (VI.C.5.b.iv.)]

The County’s Illicit Connections and Illicit Discharges Elimination Program continues to focus on identification, investigation, and elimination of all IC/ID’s in the unincorporated County areas.

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

No files attached

5.7: Enhanced MCMs and MCM Modifications

5.7a) (If applicable) Describe any *enhanced* or other MCMs or additional institutional controls that were implemented during the reporting year, including, at a minimum, all commitments related to MCM implementation specifically identified in a WMP or EWMP with deadlines within the reporting year.

The County of Los Angeles has incorporated regenerative sweepers in its street cleaning program. The County has also installed full capture devices in various watersheds. Accordingly, the catch basins that have been retrofitted are cleaned at an increased frequency. See Attachment 8.2.

5.7b) (If applicable) Describe any anticipated changes to MCMs next year requiring Regional Water Board approval:

N/A

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

No files attached

6: Stormwater Control Measures Summary

6.1 Effective Impervious Area [Attachment E, XVIII.A.1]: Summarize the estimated cumulative change in percent EIA since the effective date of the Permit for the entire area covered by the WMP/EWMP and, if possible, the estimated change in the stormwater runoff volume during the 85th percentile, 24-hour storm event for the entire area covered by the WMP/EWMP. Complete the table below. [18]

	Receiving Water	Date Effective	Impervious Area (acres)	Estimated Stormwater Runoff Volume During 85th Percentile 24-hour Storm (if available)
1		12/28/12	Not available	Not available
2		Current	Not available	Not available
3				

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

	Receiving Water	Number of New Development/Re-development Projects Completed in Reporting Year	Number of Other Projects Designed to Intercept Runoff Completed in Reporting Year	Area Addressed by Projects	Total BMP Retention Capacity of Projects
1	Upper Los Angeles River - Aliso Wash	1		0.00 ac	0.039 ac-ft
2	Upper Los Angeles River - Arroyo Seco	3		9.38 ac	0.378 ac-ft
3	Ballona Creek - Ballona Creek	2		0.06 ac	0.047 ac-ft
4	Upper Santa Clara River - Castaic Creek	1		0.05 ac	0.001 ac-ft
5	Upper Los Angeles River - Compton Creek	25		2.36 ac	0.073 ac-ft
6	Upper San Gabriel River - Coyote Creek	3		2.71 ac	0.301 ac-ft
7	Dominguez Channel - Dominguez Channel	2		0.43 ac	0.010 ac-ft

8	Dominguez Channel - Dominguez Estuary	4		5.47 ac	0.425 ac-ft
9	Dominguez Channel - LA Harbor	1		0.20 ac	0.008 ac-ft
10	Rio Hondo/San Gabriel River - All	9		0.89 ac	0.021 ac-ft
11	Upper Los Angeles River - Los Angeles River--below Sepulveda Basin	16		2.36 ac	0.243 ac-ft
12	Upper Los Angeles River - All	1		0.00 ac	0.011 ac-ft
13	Malibu Creek - Medea Creek	1		0.43 ac	0.005 ac-ft
14	Upper Santa Clara River - Mint Canyon	1		1.85 ac	0.000 ac-ft
15	Upper San Gabriel River - Puente Creek	3		0.23 ac	0.005 ac-ft
16	Upper Los Angeles River - Rio Hondo	17		2.70 ac	0.062 ac-ft
17	Upper San Gabriel River - San Gabriel River	4		0.30 ac	0.007 ac-ft
18	Upper San Gabriel River - San Jose Creek	8		2.38 ac	0.021 ac-ft
19	Upper Santa Clara River - Santa Clara River Reach 7	3		15.53 ac	0.000 ac-ft
20	North Santa Monica Bay - All	3		1.15 ac	0.002 ac-ft
21	Malibu Creek - Triunfo Canyon Creek	1		7.78 ac	0.000 ac-ft

22	Upper Los Angeles River - Verdugo Wash	6		0.50 ac	0.024 ac-ft
23	Upper San Gabriel River - Walnut Creek	2		1.90 ac	0.049 ac-ft
24	Dominguez Channel - Wilmington Drain	1		4.70 ac	0.177 ac-ft

6.2b Cumulative Summary of Projects that Retain Runoff Completed since the Permit Effective Date

	Receiving Water	Number of New Development/Re-development Projects Completed Since Permit Start	Number of Other Projects Designed to Intercept Runoff Completed Since Permit Start	Area Addressed by Projects Completed Since Permit Start	Total BMP Retention Capacity of Projects Completed Since Permit Start	Est. Total Runoff Volume Retained Onsite for the Reporting Year
1	Upper Los Angeles River - Aliso Wash	1		0.00 ac	0.04 ac-ft	0.232 ac-ft
2	Upper Los Angeles River - Arroyo Seco	11	3	14.80 ac	0.62 ac-ft	3.736 ac-ft
3	Ballona Creek - Ballona Creek	5	3	0.87 ac	0.09 ac-ft	0.521 ac-ft
4	Upper Santa Clara River - Bouquet Creek	1		0.77 ac	0.02 ac-ft	0.107 ac-ft

5	Upper Los Angeles River - Browns Canyon Wash	1		0.77 ac	0.00 ac-ft	0.000 ac-ft
6	Upper Santa Clara River - Castaic Creek	3		1.11 ac	0.05 ac-ft	0.330 ac-ft
7	Ballona Creek - Centinela Creek		2	0.09 ac	0.00 ac-ft	0.014 ac-ft
8	Upper Los Angeles River - Compton Creek	57	3	35.45 ac	1.25 ac-ft	7.526 ac-ft
9	Upper San Gabriel River - Coyote Creek	14		5.38 ac	0.45 ac-ft	2.699 ac-ft
10	Dominguez Channel - Dominguez Channel	13	7	5.76 ac	0.27 ac-ft	1.606 ac-ft
11	Dominguez Channel - Dominguez Estuary	6		6.37 ac	0.46 ac-ft	2.781 ac-ft
12	Dominguez Channel - LA Harbor	1		0.20 ac	0.01 ac-ft	0.049 ac-ft
13	Rio Hondo/San Gabriel River - All	26		2.89 ac	0.07 ac-ft	0.419 ac-ft

14	Upper Los Angeles River - Los Angeles River--above Sepulveda Basin	4	3	0.89 ac	0.02 ac-ft	0.150 ac-ft
15	Upper Los Angeles River - Los Angeles River--below Sepulveda Basin	42	2	11.84 ac	0.61 ac-ft	3.672 ac-ft
16	Upper Los Angeles River - All	1		0.00 ac	0.01 ac-ft	0.069 ac-ft
17	Palos Verdes Peninsula - Machado Lake	2		0.40 ac	0.01 ac-ft	0.062 ac-ft
18	Malibu Creek - Malibu Creek	1		0.94 ac	0.00 ac-ft	0.029 ac-ft
19	Malibu Creek - Medea Creek	3		2.38 ac	0.02 ac-ft	0.117 ac-ft
20	Upper Santa Clara River - Mint Canyon	4		15.63 ac	0.00 ac-ft	0.000 ac-ft
21	Upper San Gabriel River - Puddingstone Reservoir	3		75.98 ac	0.10 ac-ft	0.613 ac-ft
22	Upper San Gabriel River - Puente Creek	6	1	0.73 ac	0.02 ac-ft	0.109 ac-ft
23	Upper Los Angeles River - Rio Hondo	51	5	18.52 ac	0.42 ac-ft	2.510 ac-ft

24	Upper Santa Clara River - San Francisquito Creek	1		2.67 ac	0.00 ac-ft	0.000 ac-ft
25	Upper San Gabriel River - San Gabriel River	14	5	7.75 ac	0.21 ac-ft	1.259 ac-ft
26	Upper San Gabriel River - All		2	0.14 ac	0.00 ac-ft	0.021 ac-ft
27	Rio Hondo/San Gabriel River - All	2		0.18 ac	0.00 ac-ft	0.025 ac-ft
28	Upper San Gabriel River - San Jose Creek	24	50	25.48 ac	0.73 ac-ft	4.365 ac-ft
29	Upper Santa Clara River - Santa Clara River	1		0.50 ac	0.00 ac-ft	0.000 ac-ft
30	Upper Santa Clara River - Santa Clara River Reach 7	8		30.07 ac	0.05 ac-ft	0.284 ac-ft
31	North Santa Monica Bay - All	10		10.01 ac	0.21 ac-ft	1.285 ac-ft
32	Santa Monica Bay J2/J3 - Santa Monica Bay		1	0.03 ac	0.00 ac-ft	0.004 ac-ft
33	Upper Santa Clara River - South Fork Santa Clara River	1		2.86 ac	0.15 ac-ft	0.921 ac-ft

34	Malibu Creek - Stokes and Las Virgenes Creeks	1		0.60 ac	0.03 ac-ft	0.173 ac-ft
35	Marina del Rey - Marina del Rey Harbor - Back Basins		2	3.90 ac	0.31 ac-ft	1.866 ac-ft
36	Marina del Rey - Marina del Rey Harbor - Front Basins	1		6.26 ac	0.36 ac-ft	2.153 ac-ft
37	Marina del Rey - Ballona Lagoon	1		8.00 ac	0.41 ac-ft	2.480 ac-ft
38	Malibu Creek - Triunfo Canyon Creek	6		12.30 ac	0.03 ac-ft	0.205 ac-ft
39	Upper Los Angeles River - Verdugo Wash	14		1.61 ac	0.05 ac-ft	0.297 ac-ft
40	Upper San Gabriel River - Walnut Creek	6		4.93 ac	0.08 ac-ft	0.460 ac-ft
41	Dominguez Channel - Wilmington Drain	2		6.30 ac	0.27 ac-ft	1.609 ac-ft

6.3 Regional Projects Completed in Reporting Year: Complete the table below for any regional projects completed in the reporting year.

	Receiving Water	Name of Project	Completion Date	Capacity of BMP	Drainage Area Addressed by Project (in acres)	Est. Total Runoff Volume Retained for the Reporting Year (if available)
1		N/A	N/A	N/A	N/A	N/A
2						
3						
4						

✔ See Watershed Form

6.4 Green Streets Completed in Reporting Year: Complete the table below for any green streets projects completed in the reporting year.

	Receiving Water	Name of Project	Completion Date	Miles of Street Addressed by Project	Capacity of BMP	Drainage Area Addressed by Project (in acres)	Est. Total Runoff Volume Retained for the Reporting Year (if available)
1	Upper San Gabriel River - San Jose Creek	Tranbarger Street, et al - s/s Addis St 85' e/o Edmore Ave	10/26/2015	N/A	0.0003 ac-ft	0.01	0.002 ac-ft
2	Upper San Gabriel River - San Jose Creek	Tranbarger Street, et al - w/s Annadel Ave 25' n/o Cronin Dr	10/26/2015	N/A	0.0003 ac-ft	0.01	0.002 ac-ft
3	Upper San Gabriel River - San Jose Creek	Tranbarger Street, et al - s/s Addis St 110' e/o Edmore Ave	10/26/2015	N/A	0.0003 ac-ft	0.01	0.002 ac-ft
4	Upper San Gabriel River - San Jose Creek	Los Palacios Drive, et al - Batson Avenue and Los Palacios Drive (East Side)	3/31/2016	N/A	0.0008 ac-ft	0.03	0.005 ac-ft
5	Upper San Gabriel River - San Jose Creek	Los Palacios Drive, et al - Batson Avenue and Los Palacios Drive (West Side)	3/31/2016	N/A	0.0008 ac-ft	0.03	0.005 ac-ft

6	Upper San Gabriel River - San Jose Creek	Los Palacios Drive, et al - Los Palacios Drive W/O Escalada Avenue	3/31/2016	N/A	0.0008 ac-ft	0.03	0.005 ac-ft
7	Upper Los Angeles River - Rio Hondo	Green & Brandon Street - Bioretetention Swale & Infiltration Basin	8/18/2015	N/A	0.1469 ac-ft	5.88	0.884 ac-ft
8	Upper Los Angeles River - Rio Hondo	Green & Brandon Street - Pervious Pavement	8/18/2015	N/A	0.0551 ac-ft	2.20	0.332 ac-ft
9	Santa Monica Bay J2/J3 - Santa Monica Bay	Coastline Drive - Tree Wells	6/1/2016	N/A	0.0007 ac-ft	0.03	0.004 ac-ft

6.5 Riparian Buffer and Wetland Restoration Projects: Complete the table below for any riparian buffer or wetland restoration projects completed in the reporting year. [19]

	Receiving Water	Name of Project	Completion Date	Description of Project
1		N/A	N/A	N/A
2				
3				

6.6 Additional Projects Completed During the Reporting Year: Complete the table below for other projects (not included above) that were completed in the reporting year.

	Receiving Water	Name of Project	Type of Project	Completion Date	Drainage Area Addressed by Project (in acres)	Est. Total Runoff Volume Retained for the Reporting Year (if available)	BMP Capacity and Additional Notes

1	Marina del Rey - All	Oxford Basin Multiuse Enhancement Project	Multiuse Enhancement Project	May 2016	700		Removal of contaminated sediment and increase of dissolved oxygen due to circulation berm
2							
3							
4							

6.7 Status of Multi-Year Efforts: Provide the status of multi-year efforts, including TMDL implementation (not including Trash TMDLs), that were not completed in the current year and will continue into the subsequent year(s). For multi-year efforts, report on progress towards future milestones related to multi-year projects. Include the status of the project, which includes the status with regard to standard project implementation steps. These steps include, but are not limited to, adopted or potential future changes to municipal ordinances to implement the project, site selection, environmental review and permitting, project design, acquisition of grant or loan funding and/or municipal approval of project funding, contractor selection, construction schedule, start-up, and effectiveness evaluation (once operational), where applicable.If applicable, for green streets implementation, Permittees shall report on progress toward a structured approach identifying a sufficient number of green streets projects to meet compliance milestones (e.g., a green streets master plan).Also, include the following information:

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

The County of Los Angeles has formed an internal Green Streets Task Force to improve the effectiveness of the County's existing Green Infrastructure Guidelines and develop procedures for prioritizing locations for green street features.

See Attachment 6.7

6.8 Effectiveness Assessment of Stormwater Control Measures [Attachment E – XVIII.A.2]: Provide the following:

- An assessment as to whether the quality of stormwater discharges as measured at designated outfalls is improving, staying the same or declining;
- An assessment as to whether wet-weather receiving water quality within the jurisdiction of the Permittee is improving, staying the same or declining, when normalized for variations in rainfall patterns.
- A description of efforts that were taken to address stormwater discharges that exceeded one or more applicable water quality based effluent limitation, or caused or contributed to aquatic toxicity:
- Additional information on the status multi-year efforts not provided in the previous sections of this report.
- Any additional information on storm water control measure effectiveness that the Permittee would like to highlight.

See Watershed Form

✔ **See Watershed Form**

6.9 Integrated Monitoring Compliance Report, Stormwater Control Measures [Attachment E – XVIII.A.5.d]: Provide a description of efforts that were taken to address stormwater discharges that exceeded one or more applicable water quality based effluent limitation, or caused or contributed to aquatic toxicity:

See Watershed Form

6.10 Data Limitations: If any of the requested information cannot be obtained, provide a discussion of the factor(s) limiting its acquisition and steps that will be taken to improve future data collection efforts.

Question 6.1: Reporting of Effective Impervious Area (EIA) requires information that is not currently available and is difficult to accurately derive. Therefore, the information for the County of Los Angeles is not reportable at this time. Nonetheless, pursuant to Part XVIII.A.1.i of the Monitoring and Reporting Program, the County provides the following discussion of the factors limiting the acquisition of the requested EIA information.

The County has jurisdictions that encompass thousands of square miles of various types of developments and land use. The information required to derive the baseline EIA from the inception of the 2012 Permit will require numerous assumptions about land use categories with respect to their impervious area ratio and numbers of parcels with hydrologically disconnected impervious areas. Additionally, field work would be required to verify assumptions when possible.

To evaluate the change in EIA, the County is working to track project features for completed new development and redevelopment projects, including area addressed by BMPs that intercept runoff. To improve the County's ability to estimate the baseline EIA and cumulative change in percent EIA, the County requests the Regional Board provide guidance regarding the calculation of EIA for consistent application among all Permittees.

See Watershed Form

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

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

⚠ No files attached

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

attach_6.7_multi-year_project_listing_rev_12-6.pdf

See Section 6 Attachments for the contents of this file

7: Non-Stormwater Control Measures Summary

7.1 Summarize actions and projects related to addressing non-stormwater discharges. Include the specific non-stormwater actions completed within the WMG's jurisdictional area during the reporting year and, if applicable, the estimated total runoff volume (cf) retained on site by the implemented projects:

The non-stormwater outfall monitoring program as described in the approved CIMPs has just begun. It is expected that future annual reports will include a detailed description of actions and projects to address non-stormwater discharges as more data is collected and analyzed. For additional information regarding the CIMPs and adaptive management through the WMP and EWMPs, see response to Question 3.3.

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

The non-stormwater outfall monitoring program as described in the approved CIMPs has just begun. It is expected that future annual reports will include a detailed description of efforts made to mitigate non-stormwater discharges that exceed effluent limits and action levels as more data is collected and analyzed. For additional information regarding the CIMPs and adaptive management through the WMP and EWMPs, see response to Question 3.3.

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

See responses to Questions 3.3 and 8.2.

7.4 Provide an assessment of the effectiveness of the Permittee control measures in effectively prohibiting non-stormwater discharges through the MS4 to the receiving water. Additionally, include information quantifying the effectiveness of Storm Water Control Measures (Section 6 of this form) in addressing non-storm water discharges. This information should include the estimated amount of non-storm water flows captured by the storm water control measures implemented throughout the watershed and a description of the methodology and assumptions used to quantify effectiveness. [Attachment E – XVIII.A.4]:

The County through its ordinances prohibits all unauthorized non-stormwater discharges through its MS4. The outfall screening and monitoring program is expected to further reduce non-exempt discharges through the MS4.

See responses to Questions 7.2 and 3.3.

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

See Watershed Form

✔ **See Watershed Form**

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

See Watershed Form

✔ **See Watershed Form**

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

Refer to Table 4a and Watershed Form.

✔ **See Watershed Form**

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

⚠ No files attached

8: TMDL Reporting

8.1 For Permittees subject to Trash TMDLs, submit a Trash TMDL Compliance Report detailing compliance with applicable interim and/or final effluent limitations. For Permittees demonstrating compliance using full capture systems, partial capture systems, and/or institutional controls, use the Excel worksheet found at:

http://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/trash/index.shtml

attach_8.1_trash_tmdl_reports.pdf

See Section 8 Attachments for the contents of this file

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

TMDL reporting items required per the applicable schedules outlined in Attachment E, Section XIX.A through XIX.G of the Permit may be provided here or as an attachment to this report.

See Attachment 8.2

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

attach_8.2_tmdl_summary_report.pdf

See Section 8 Attachments for the contents of this file

9: WMP/EWMP Schedules and Implementation

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

	Control Measures	Projected Completion (Date)	Actual Completion (Date)	Status of Implementation	Status of Funding
1					
2					
3					

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

N/A

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

⚠ No files attached

10: Watershed Hydrology

10.1a) Watershed Summary Information, Organization, and Content: Provide the information below in the odd year Annual Report (e.g. Year 1/ 3/ 5)[20] or any updates to the information below if previously provided. The requested information shall be provided for each watershed within the Permittee's jurisdiction [Attachment E – XVII]:

Provide the following information related to the Watershed Management Area:

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

This Annual Report, Year 15-16, is an even year report, so updates to the information requested will be provided in next odd year's annual report or future updates to the WMPs and EWMPs.

✔ **See Watershed Form**

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

1. Description including HUC-12 number, name and a list of all tributaries named in the Basin Plan.
2. Land Use map of the HUC-12 subwatershed.
3. 85th percentile, 24-hour rainfall isohyetal map for the HUC-12 subwatershed, with identification of 85th percentile, 24-hour volume for the HUC-12 subwatershed.
4. One-year, one-hour storm intensity isohyetal map for the HUC-12 subwatershed, with identification of the one-year, one-hour storm intensity for the HUC-12 subwatershed.
5. MS4 map for the subwatershed, including major MS4 outfalls (as defined in Attachment A of the permit) and all low flow diversions, and corresponding table with identification numbers, geographic coordinates, jurisdiction, size of outfall, outfall catchment area (as available), and size and operational period/conditions of corresponding low-flow diversions.

See above response to Question 10.1a

✔ **See Watershed Form**

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

1. 1) A subwatershed map depicting the Permittee(s) jurisdictional area and the MS4, including major outfalls (with identification numbers), and low flow diversions (with identifying names or numbers) located, within the Permittee's jurisdiction.

2. 2) Provide the estimated baseline percent of effective impervious area (EIA) within the Permittee(s) jurisdictional area as existed at the time that this Order became effective and, if possible, the estimated change in the stormwater runoff volume (cf) during the 85th percentile, 24-hour storm event.

See above response to Question 10.1a

✔ **See Watershed Form**

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

Refer to the Watershed Form

✔ **See Watershed Form**

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

	Event	Date	Storm start time (AM-PM)	Storm Duration (hrs)	Highest storm intensity - 15min (in-hr)	Total Storm Volume (in)	Span between sample event & previous storm event (hr)
1		Refer to the Watershed Form					
2							
3							

✔ **See Watershed Form**

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

⚠ No files attached

11: Additional Information

11.1 You may use this section to report any additional information not specified in the Individual Permittee Report Form or to report any information in the Individual Form that is better presented outside of the report form structure.

You may also provide an additional detailed summary table describing control measures that are not otherwise described in the reporting requirements.

attach_12.1_asbs_special_protections_monitoring_small-fixed.pdf

See Section 11 Attachments for the contents of this file

11.2 Please attach a PDF with information requested by your Watershed Lead regarding the requirements outlined in your EWMP or WMP approval letter from the Regional Board (if applicable). Please organize the PDF by watershed and receiving water.

No files attached

11.3 Please attach a PDF with information requested by your Watershed Lead regarding TMDL reporting requirements (if applicable). Please organize the PDF by watershed and receiving water.

No files attached

Footnotes

[1] Categories may be added to the table as necessary

[2] "Significant Non-Storm Water Discharges" as identified by the Permittee per Part IX.C.1 of the MRP

[3] "Allowable Sources" include NPDES permitted discharges, discharges subject to a Record of Decisions approved by USEPA pursuant to section 121 of CERCLA, conditionally exempt essential non-storm water discharges, and natural flows as defined in Part III.A.d of the permit.

[4] Part VI.D.6.b.i of the LA County MS4 Permit summarizes "critical sources" to be tracked

[5] Reporting new development projects by categories is optional. If different categories are used by the Permittee or new development and redevelopment activities are combined, the table may be edited to include those categories and/or information.

[6] "Number of Projects Completed" should only include projects that are completed and signed off by the Permittee during the reporting year. In progress projects that have been issued a permit, but are not completed should not be included.

[7] "Alternative Compliance Measures" refer to the mitigation options listed in Part VI.D.7 of the permit. These options include: on-site biofiltration, offsite infiltration, groundwater replenishment projects, offsite retrofits of existing developments, and areas covered by a regional storm water mitigation program.

[8] Reporting redevelopment projects by categories is optional. If different categories are used by the Permittee, the table may be edited to include those categories.

[9] "Number of Projects Completed" should only include projects that are completed and signed off by the Permittee during the reporting year. In progress projects that have been issued a permit, but are not completed should not be included.

[10] Alternative Compliance Measures refer only to the alternative measures used to comply with Planning and Land Development Program requirements as described in Part VI.D.7.c.iii.(1)-(7)

[11] Volume Addressed by Biofiltration should represent the biofiltration volume (Bv), not the Storm Water Quality Design Volume (SWQDv).

[12] "Offsite projects" refers only to offsite projects being used as an alternative compliance measure for development/redevelopment project applicants that have demonstrated technical infeasibility for on-site retention of the SWQDv. This does not include on-site biofiltration, however it does include off-site biofiltration projects.

[13] "Regional Storm Water Mitigation Programs" are only applicable where the Permittee (or Permittee Group) has received approval of such a program from the Regional Water Board.

[14] "Inventoried" refers to sites included in the Permittee's electronic system to inventory grading permits, encroachment permits, demolition permits, building permits, or construction permits.

[15] Report information regarding regional projects for which the regional project MOU has assigned the Permittee responsibility for reporting.

[16] Illicit discharges and connections detected through other inspection programs should be included.

[17] Illicit discharges and connections detected through other inspection programs should be included.

[18] Effective Impervious Area (EIA) is the portion of the surface area that is hydrologically connected to a drainage system via a hardened conveyance or impervious surface without any intervening median to mitigate the flow volume.

[19] For riparian buffer projects include width, length and vegetation type; for wetland restoration projects include acres restored, enhanced or created

[20] Year 1 = 2012-13 Annual Report; Year 2 = 13-14; Year 3 = 14-15; Year 4 = 15-16; Year 5 = 16-17