November 23, 2016

AMENDMENT OF THE LOS ANGELES COUNTY MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT (ORDER R4-2012-0175-A01)

Dear Permittees and Interested Persons:

On September 8, 2016, the Regional Water Quality Control Board, Los Angeles Region (Los Angeles Water Board) amended the Los Angeles County Municipal Separate Storm Sewer System Permit (LA County MS4 Permit) (Order No. R4-2012-0175, NPDES Permit No. CAS004001) to incorporate modifications consistent with the revised Ballona Creek Watershed Trash TMDL and the revised Los Angeles River Watershed Trash TMDL. The permit amendments became effective upon adoption.

The final order adopted by the Los Angeles Water Board is attached. The amended Permit, including the Monitoring and Reporting Program, Fact Sheet, Attachment K, and Attachment O are available on the Los Angeles Water Board's website at:

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

If you have any questions, please contact Mr. Chris Lopez of the Storm Water Permitting Unit at Chris.Lopez@waterboards.ca.gov / (213) 576-6674 or Ivar Ridgeway, Chief of the Storm Water Permitting Unit, at Ivar.Ridgeway@waterboards.ca.gov / (213) 620-2150.

Sincerely,

Samuel Unger

Samuel Unger, P.E.
Executive Officer

Enclosures: Order No. R4-2012-0175-A01

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

320 West 4th Street, Suite 200, Los Angeles, CA 90013
(213) 576-6600 • Fax (213) 576-6686
http://www.waterboards.ca.gov/losangeles

ORDER NO. R4-2012-0175-A01
AMENDING

ORDER NO. R4-2012-0175 as amended by State Water Board Order WQ 2015-0075
NPDES PERMIT NO. CAS004001

WASTE DISCHARGE REQUIREMENTS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) DISCHARGES WITHIN THE COASTAL WATERSHEDS OF LOS ANGELES COUNTY, EXCEPT THOSE DISCHARGES ORIGINATING FROM THE CITY OF LONG BEACH MS4

The California Regional Water Quality Control Board, Los Angeles Region (hereinafter Regional Water Board) finds:

1. On November 8, 2012, the Regional Water Board adopted Order No. R4-2012-0175, *Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles County, Except those Discharges Originating from the City of Long Beach MS4* (hereinafter LA County MS4 Permit). The LA County MS4 Permit was subsequently amended by the State Water Resources Control Board (State Water Board) on June 16, 2015 by Order WQ 2015-0075.

2. The LA County MS4 Permit includes Total Maximum Daily Load (TMDL) provisions designed to ensure that permittees achieve waste load allocations (WLAs) and meet other requirements of TMDLs covering receiving waters impacted by the permittees' MS4 discharges.

3. Among the TMDL provisions in the LA County MS4 Permit are provisions pertaining to the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed Trash TMDL, including applicable water quality-based effluent limitations for trash, compliance options that permittees may use to achieve compliance with the effluent limitations for trash, and monitoring and reporting requirements related to the effluent limitations for trash. For the Ballona Creek Watershed Trash TMDL, permittees must comply with the final water quality-based effluent limitations of zero trash discharged to Ballona Creek by September 30, 2015 and every year thereafter. For the Los Angeles River Watershed Trash TMDL, permittees must comply with the final water quality-based effluent limitation of zero trash discharged to the Los Angeles River by September 30, 2016 and every year thereafter

4. On June 11, 2015, the Regional Water Board adopted Resolution No. R15-006, an amendment to the Water Quality Control Plan for the Los Angeles Region (Basin Plan) to revise the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed

Trash TMDL. This resolution revised the trash TMDLs to ensure consistency between the two TMDLs where appropriate; provided additional alternatives for demonstrating full compliance with effluent limitations; provided greater specificity regarding the responsible entities assigned WLAs and load allocations; and expanded monitoring requirements. The Staff Report for Resolution No. R15-006 considered costs related to these expanded monitoring requirements. The revised trash TMDLs were approved by the State Water Board by Resolution No. 2015-0068 on November 17, 2015, the Office of Administrative Law on May 4, 2016, and the U.S. Environmental Protection Agency (U.S. EPA) on June 30, 2016. The revised trash TMDLs became effective upon approval by U.S. EPA.

5. Part VI.A.7 of the LA County MS4 Permit contains reopener and modification provisions that allow for the permit to be modified, revoked, reissued, or terminated under certain circumstances. Subpart a.iv. provides that a cause for taking such actions include:

> To incorporate provisions as a result of future amendments to the Basin Plan, such as a new or revised water quality objective or the adoption or reconsideration of a TMDL, including the program of implementation. Within 18 months of the effective date of a revised TMDL or as soon as practicable thereafter, where the revisions warrant a change to the provisions of this Order, the Regional Water Board may modify this Order consistent with the assumptions and requirements of the revised WLA(s), including the program of implementation

6. The purpose of this amendment to the LA County MS4 Permit is to revise select permit provisions consistent with the revised Los Angeles River Watershed Trash TMDL and the revised Ballona Creek Watershed Trash TMDL. These revisions generally include: (a) alternative methods for permittees subject to the revised trash TMDLs to demonstrate full compliance with final trash effluent limitations, (b) revised provisions identifying the permittees subject to the revised trash TMDLs (i.e., removal of the City of Santa Clarita as a responsible permittee and addition of the Los Angeles County Flood Control District as a responsible permittee); (c) plastic pellet monitoring and spill response requirements for the Los Angeles River watershed, consistent with existing provisions for the Ballona Creek watershed; and (d) requirements for receiving water monitoring for trash in the Los Angeles River and Ballona Creek watersheds. This amendment does not modify existing water quality-based effluent limitations for trash or any compliance deadlines for responsible permittees.

7. Reopening and modifying the LA County MS4 Permit at this time to be consistent with the revised trash TMDLs is warranted as it would afford responsible permittees additional options to comply with final water quality-based effluent imitations. In addition, the list of permittees subject to the trash TMDLs would be updated to appropriately reflect their responsibilities. Reopening the permit at this time will also result in commencement of important monitoring of plastic pellets and receiving water conditions. Waiting until permit reissuance would delay important monitoring and would not provide permittees with reasonable alternatives for demonstrating full compliance with final effluent limitations until at least late 2017, which would be over a year after the date at which compliance

with the final water quality-based effluent limitations for trash in the Los Angeles River watershed must be demonstrated.

8. This amendment also includes minor revisions to Part I of the LA County MS4 Permit. These revisions include the removal of facility contact, title, and e-mail information in Table 2 since several of these contacts are outdated, as well as the addition of administrative information related to the amendment in Table 4.

9. This action to amend an NPDES permit is exempt from the provisions of Chapter 3 of the California Environmental Quality Act (CEQA) (Public Resources Code § 21100 et seq.) pursuant to California Water Code section 13389.

10. The Regional Water Board has notified the permittees and interested agencies and persons of its intent to adopt this Order to amend the LA County MS4 Permit, and has provided them with an opportunity to provide written and oral comments.

11. The Regional Water Board, in a public hearing, heard and considered all oral and written comments pertaining to this matter. The Regional Water Board has prepared written responses to all timely comments, which are incorporated by reference as part of this Order.

12. Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must *receive* the petition by 5:00 p.m., 30 days after the date of this Order. If the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

IT IS HEREBY ORDERED that Order No. R4-2012-0175, as amended by State Water Resources Control Board Order WQ 2015-0075, is amended by making the modifications identified in Attachment A of this Order. This Order shall become effective upon adoption.

I, Samuel Unger, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on September 8, 2016.

Samuel Unger

Samuel Unger, Executive Officer

ATTACHMENT A

ORDER NO. R4-2012-0175-A01
AMENDING

ORDER NO. R4-2012-0175 as amended by State Water Board Order WQ 2015-0075
NPDES PERMIT NO. CAS004001

WASTE DISCHARGE REQUIREMENTS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) DISCHARGES WITHIN THE COASTAL WATERSHEDS OF LOS ANGELES COUNTY, EXCEPT THOSE DISCHARGES ORIGINATING FROM THE CITY OF LONG BEACH MS4

Revisions to Order No. R4-2012-0175 and Attachments E, F, K, and O are shown in underline/~~strikeout~~ text.

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Revisions to Part I. Facility Information of Order No. R4-2012-0175

Table 2. Facility Information

Permittee (WDID)	Contact Information	
Agoura Hills (*4B190147001*)	**Mailing Address**	30001 Ladyface Court
		Agoura Hills, CA 91301
	~~Facility Contact, Title, and E-mail~~	~~Ken Berkman, City Engineer~~ ~~kberkman@agoura-hills.ca.us~~
Alhambra (*4B190148001*)	**Mailing Address**	111 South First Street
		Alhambra, CA 91801-3796
	~~Facility Contact and E-mail~~	~~David Dolphin~~ ~~ddolphin@cityofalhambra.org~~
Arcadia (*4B190149001*)	**Mailing Address**	11800 Goldring Road
		Arcadia, CA 91006-5879
	~~Facility Contact, Title, Phone, and E-mail~~	~~Vanessa Hevener, Environmental Services Officer~~ ~~(626) 305-5327~~ ~~vhevener@ci.arcadia.ca.us~~
Artesia (*4B190150001*)	**Mailing Address**	18747 Clarkdale Avenue
		Artesia, CA 90701-5899
	~~Facility Contact, Title, and E-mail~~	~~Maria Dadian, Director of Public Works~~ ~~mdadian@cityofartesia.ci.us~~
Azusa (*4B190151001*)	**Mailing Address**	213 East Foothill Boulevard
		Azusa, CA 91702
	~~Facility Contact, Title, and E-mail~~	~~Carl Hassel, City Engineer~~ ~~chassel@ci.azusa.ca.us~~
Baldwin Park (*4B190152001*)	**Mailing Address**	14403 East Pacific Avenue
		Baldwin Park, CA 91706-4297
	~~Facility Contact, Title, and E-mail~~	~~David Lopez, Associate Engineer~~ ~~dlopez@baldwinpark.com~~
Bell (*4B190153001*)	**Mailing Address**	6330 Pine Avenue
		Bell, CA 90201-1291
	~~Facility Contact, Title, and E-mail~~	~~Terri Rodrigue, City Engineer~~ ~~trodrigue@cityofbell.org~~
Bell Gardens (*4B190139002*)	**Mailing Address**	7100 South Garfield Avenue
		Bell Gardens, CA 90201-3293
	~~Facility Contact, Title, and Phone~~	~~John Oropeza, Director of Public Works~~ ~~(562) 806-7700~~
Bellflower (*4B190154001*)	**Mailing Address**	16600 Civic Center Drive
		Bellflower, CA 90706-5494
	~~Facility Contact, Title, and E-mail~~	~~Bernie Iniguez, Environmental Services Manager~~ ~~biniguez@bellflower.org~~
Beverly Hills (*4B190132002*)	**Mailing Address**	455 North Rexford Drive
		Beverly Hills, CA 90210
	~~Facility Contact, Title, and E-mail~~	~~Vincent Chee, Project Civil Engineer~~ ~~kgettler@beverlyhills.org~~
Bradbury (*4B190155001*)	**Mailing Address**	600 Winston Avenue
		Bradbury, CA 91010-1199
	~~Facility Contact, Title,~~	~~Elroy Kiepke, City Engineer~~

Permittee (WDID)	Contact Information	
	~~**and E-mail**~~	~~mkeith@cityofbradbury.org~~
Burbank (*4B190101002*)	**Mailing Address**	P.O. Box 6459
		Burbank, CA 91510
	Facility Contact, Title, and E-mail	Bonnie Teaford, Public Works Director bteaford@ci.burbank.ca.us
Calabasas (*4B190157001*)	**Mailing Address**	100 Civic Center Way
		Calabasas, CA 91302-3172
	~~**Facility Contact, Title, and E-mail**~~	~~Alex Farassati, ESM~~ ~~afarassati@cityofcalabasas.com~~
Carson (*4B190158001*)	**Mailing Address**	P.O. Box 6234
		Carson, CA 90745
	~~**Facility Contact, Title, and E-mail**~~	~~Patricia Elkins, Building Construction Manager~~ ~~pelkins@carson.ca.us~~
Cerritos (*4B190159001*)	**Mailing Address**	P.O. Box 3130
		Cerritos, CA 90703-3130
	~~**Facility Contact, Title, and E-mail**~~	~~Mike O'Grady, Environmental Services~~ ~~mo'grady@cerritos.us~~
Claremont (*4B190160001*)	**Mailing Address**	207 Harvard Avenue
		Claremont, CA 91711-4719
	~~**Facility Contact, Title, and E-mail**~~	~~Craig Bradshaw, City Engineer~~ ~~cbradshaw@ci.claremont.ca.us~~
Commerce (*4B190161001*)	**Mailing Address**	2535 Commerce Way
		Commerce, CA 90040-1487
	~~**Facility Contact and E-mail**~~	~~Gina Nila~~ ~~gnila@ci.commerce.ca.us~~
Compton (*4B190162001*)	**Mailing Address**	205 South Willowbrook Avenue
		Compton, CA 90220-3190
	~~**Facility Contact, Title, and Phone**~~	~~Hien Nguyen, Assistant City Engineer~~ ~~(310) 761-1476~~
Covina (*4B190163001*)	**Mailing Address**	125 East College Street
		Covina, CA 91723-2199
	~~**Facility Contact, Title, and E-mail**~~	~~Vivian Castro, Environmental Services Manager~~ ~~vcastro@covinaca.gov~~
Cudahy (*4B190164001*)	**Mailing Address**	P.O. Box 1007
		Cudahy, CA 90201-6097
	~~**Facility Contact, Title, and E-mail**~~	~~Hector Rodriguez, City Manager~~ ~~hrodriguez@cityofcudahy.ca.us~~
Culver City (*4B190165001*)	**Mailing Address**	9770 Culver Boulevard
		Culver City, CA 90232-0507
	~~**Facility Contact, Title, and Phone**~~	~~Damian Skinner, Manager~~ ~~(310) 253-6421~~
Diamond Bar (*4B190166001*)	**Mailing Address**	21825 East Copley Drive
		Diamond Bar, CA 91765-4177
	~~**Facility Contact, Title, and E-mail**~~	~~David Liu, Director of Public Works~~ ~~dliu@diamondbarca.gov~~
Downey (*4B190167001*)	**Mailing Address**	P.O. Box 7016
		Downey, CA 90241-7016
	~~**Facility Contact , Title, and E-mail**~~	~~Yvonne Blumberg~~ ~~yblumberg@downeyca.org~~
Duarte (*4B190168001*)	**Mailing Address**	1600 Huntington Drive
		Duarte, CA 91010-2592
	~~**Facility Contact, Title,**~~	~~Steve Esbenshades, Engineering Division Manager~~

Permittee (WDID)	Contact Information	
	~~**and Phone**~~	~~(626) 357-7931 ext. 233~~
El Monte (*4B190169001*)	**Mailing Address**	P.O. Box 6008
		El Monte, CA 91731
	~~**Facility Contact, Title, and Phone**~~	~~James A Enriquez, Director of Public Works~~ ~~(626) 580-2058~~
El Segundo (*4B190170001*)	**Mailing Address**	350 Main Street
		El Segundo, CA 90245-3895
	~~**Facility Contact, Title, Phone, and E-mail**~~	~~Stephanie Katsouleas, Public Works Director~~ ~~(310) 524-2356~~ ~~skatsouleas@elsegundo.org~~
Gardena (*4B190118002*)	**Mailing Address**	P.O. Box 47003
		Gardena, CA 90247-3778
	~~**Facility Contact, Title, and E-mail**~~	~~Ron Jackson, Building Maintenance Supervisor~~ ~~jfelix@ci.gardena.ci.us~~
Glendale (*4B190171001*)	**Mailing Address**	Engineering Section, 633 East Broadway, Room 209
		Glendale, CA 91206-4308
	~~**Facility Contact, Title, and E-mail**~~	~~Maurice Oillataguerre, Senior Environmental Program Scientist~~ ~~moillataguerre@ci.glendale.ca.us~~
Glendora (*4B190172001*)	**Mailing Address**	116 East Foothill Boulevard
		Glendora, CA 91741
	~~**Facility Contact, Title, and E-mail**~~	~~Dave Davies, Deputy Director of Public Works~~ ~~ddavies@ci.glendora.ca.us~~
Hawaiian Gardens (*4B190173001*)	**Mailing Address**	21815 Pioneer Boulevard
		Hawaiian Gardens, CA 90716
	~~**Facility Contact, Title, and E-mail**~~	~~Joseph Colombo, Director of Community Development~~ ~~jcolombo@ghcity.org~~
Hawthorne (*4B190174001*)	**Mailing Address**	4455 West 126th Street
		Hawthorne, CA 90250-4482
	~~**Facility Contact, Title, and E-mail**~~	~~Arnold Shadbehr, Chief General Service and Public Works~~ ~~ashadbehr@cityofhawthorne.org~~
Hermosa Beach (*4B190175001*)	**Mailing Address**	1315 Valley Drive
		Hermosa Beach, CA 90254-3884
	~~**Facility Contact, Title, and E-mail**~~	~~Homayoun Behboodi, Associate Engineer~~ ~~hbehboodi@hermosabch.org~~
Hidden Hills (*4B190176001*)	**Mailing Address**	6165 Spring Valley Road
		Hidden Hills, CA 91302
	~~**Facility Contact, Title, and Phone**~~	~~Kimberly Colberts, Environmental Coordinator~~ ~~(310) 257-2004~~
Huntington Park (*4B190177001*)	**Mailing Address**	6550 Miles Avenue
		Huntington Park, CA 90255
	~~**Facility Contact, Title, and Phone**~~	~~Craig Melich, City Engineer and City Official~~ ~~(323) 584-6253~~
Industry (*4B190178001*)	**Mailing Address**	P.O. Box 3366
		Industry, CA 91744-3995
	~~**Facility Contact and Title**~~	~~Mike Nagaoka, Director of Public Safety~~
Inglewood (*4B190179001*)	**Mailing Address**	1 W. Manchester Blvd, 3rd Floor
		Inglewood, CA 90301-1750
	~~**Facility Contact, Title, and E-mail**~~	~~Lauren Amimoto, Senior Administrative Analyst~~ ~~lamimoto@cityofinglewood.org~~
Irwindale	**Mailing Address**	5050 North Irwindale Avenue

Permittee (WDID)	Contact Information	
(*4B190180001*)		Irwindale, CA 91706
	~~**Facility Contact, Title, and E-mail**~~	~~Kwok Tam, Director of Public Works~~ ~~ktam@ci.irwindale.ca.us~~
La Canada Flintridge (*4B190181001*)	**Mailing Address**	1327 Foothill Boulevard
		La Canada Flintridge, CA 91011-2137
	~~**Facility Contact, Title, and E-mail**~~	~~Edward G. Hitti, Director of Public Works~~ ~~ehitti@lcf.ca.gov~~
La Habra Heights (*4B190182001*)	**Mailing Address**	1245 North Hacienda Boulevard
		La Habra Heights, CA 90631-2570
	~~**Facility Contact, Title, and E-mail**~~	~~Shauna Clark, City Manager~~ ~~shaunac@lhhcity.org~~
La Mirada (*4B190183001*)	**Mailing Address**	13700 La Mirada Boulevard
		La Mirada, CA 90638-0828
	~~**Facility Contact, Title, and E-mail**~~	~~Steve Forster, Public Works Director~~ ~~sforster@cityoflamirada.org~~
La Puente (*4B190184001*)	**Mailing Address**	15900 East Marin Street
		La Puente, CA 91744-4788
	~~**Facility Contact, Title, and E-mail**~~	~~John DiMario, Director of Development Services~~ ~~jdimario@lapuente.org~~
La Verne (*4B190185001*)	**Mailing Address**	3660 “D” Street
		La Verne, CA 91750-3599
	~~**Facility Contact, Title, and E-mail**~~	~~Daniel Keesey, Director of Public Works~~ ~~dkeesey@ci.la-verne.ca.us~~
Lakewood (*4B190186001*)	**Mailing Address**	P.O. Box 158
		Lakewood, CA 90714-0158
	~~**Facility Contact and E-mail**~~	~~Konya Vivanti~~ ~~kvivanti@lakewoodcity.org~~
Lawndale (*4B190127002*)	**Mailing Address**	14717 Burin Avenue
		Lawndale, CA 90260
	~~**Facility Contact and Title**~~	~~Marlene Miyoshi, Senior Administrative Analyst~~
Lomita (*4B190187001*)	**Mailing Address**	P.O. Box 339
		Lomita, CA 90717-0098
	~~**Facility Contact, Title, and E-mail**~~	~~Tom A. Odom, City Administrator~~ ~~d.tomita@lomitacity.com~~
Los Angeles (*4B190188001*)	**Mailing Address**	1149 S. Broadway, 10th Floor
		Los Angeles, CA 90015
	~~**Facility Contact, Title, and Phone**~~	~~Shahram Kharaghani, Program Manager~~ ~~(213) 485-0587~~
Lynwood (*4B190189001*)	**Mailing Address**	11330 Bullis Road
		Lynwood, CA 90262-3693
	~~**Facility Contact and Phone**~~	~~Josef Kekula~~ ~~(310) 603-0220 ext. 287~~
Malibu (*4B190190001*)	**Mailing Address**	23825 Stuart Ranch Road
		Malibu, CA 90265-4861
	~~**Facility Contact, Title, and E-mail**~~	~~Jennifer Brown, Environmental Program Analyst~~ ~~jbrown@malibucity.org~~
Manhattan Beach (*4B190191001*)	**Mailing Address**	1400 Highland Avenue
		Manhattan Beach, CA 90266-4795
	~~**Facility Contact, Title, and Email**~~	~~Brian Wright, Water Supervisor~~ ~~bwright@citymb.info~~
Maywood	**Mailing Address**	4319 East Slauson Avenue

Permittee (WDID)	Contact Information	
(*4B190192001*)		Maywood, CA 90270-2897
	~~**Facility Contact, Title, and Phone**~~	~~Andre Dupret, Project Manager~~ ~~(323) 562-5721~~
Monrovia (*4B190193001*)	**Mailing Address**	415 South Ivy Avenue
		Monrovia, CA 91016-2888
	~~**Facility Contact and E-mail**~~	~~Heather Maloney~~ ~~hmaloney@ci.monrovia.ca.gov~~
Montebello (*4B190194001*)	**Mailing Address**	1600 West Beverly Boulevard
		Montebello, CA 90640-3970
	~~**Facility Contact and E-mail**~~	~~Cory Roberts~~ ~~croberts@aaeinc.com~~
Monterey Park (*4B190195001*)	**Mailing Address**	320 West Newmark Avenue
		Monterey Park, CA 91754-2896
	~~**Facility Contact, Phone, and E-mail**~~	~~Amy Ho~~ ~~(626) 307-1383~~ ~~amho@montereypark.ca.gov~~ ~~John Hunter (Consultant) at jhunter@jhla.net~~
Norwalk (*4B190196001*)	**Mailing Address**	P.O. Box 1030
		Norwalk, CA 90651-1030
	~~**Facility Contact and Title**~~	~~Chino Consunji, City Engineer~~
Palos Verdes Estates (*4B190197001*)	**Mailing Address**	340 Palos Verdes Drive West
		Palos Verdes Estates, CA 90274
	~~**Facility Contact, Title, and E-mail**~~	~~Allan Rigg, Director of Public Works~~ ~~arigg@pvestates.org~~
Paramount (*4B190198001*)	**Mailing Address**	16400 Colorado Avenue
		Paramount, CA 90723-5091
	~~**Facility Contact, Title, and E-mail**~~	~~Chris Cash, Utility and Infrastructure Assistant Director~~ ~~ccash@paramountcity,org~~
Pasadena (*4B190199001*)	**Mailing Address**	P.O. Box 7115
		Pasadena, CA 91109-7215
	~~**Facility Contact and E-mail**~~	~~Stephen Walker~~ ~~swalker@cityofpasadena.net~~
Pico Rivera (*4B190200001*)	**Mailing Address**	P.O. Box 1016
		Pico Rivera, CA 90660-1016
	~~**Facility Contact, Title, and E-mail**~~	~~Art Cervantes, Director of Public Works~~ ~~acervantes@pico-rivera.org~~
Pomona (*4B190145003*)	**Mailing Address**	P.O. Box 660
		Pomona, CA 91769-0660
	~~**Facility Contact, Title, and E-mail**~~	~~Julie Carver, Environmental Programs Coordinator~~ ~~Julie_Carver@ci.pomona.ca.us~~
Rancho Palos Verdes (*4B190201001*)	**Mailing Address**	30940 Hawthorne Boulevard
		Rancho Palos Verdes, CA 90275
	~~**Facility Contact, Title, and E-mail**~~	~~Ray Holland, Interim Public Works Director~~ ~~clehr@rpv.com~~
Redondo Beach (*4B190143002*)	**Mailing Address**	P.O. Box 270
		Redondo Beach, CA 90277-0270
	~~**Facility Contact, Title, and E-mail**~~	~~Mike Shay, Principal Civil Engineer~~ ~~mshay@redondo.org~~
Rolling Hills (*4B190202001*)	**Mailing Address**	2 Portuguese Bend Road
		Rolling Hills, CA 90274-5199
	~~**Facility Contact, Title,**~~	~~Greg Grammer, Assistant to the City Manager~~

Permittee (WDID)	Contact Information	
	~~**and E-mail**~~	~~ggrammer@rollinghillsestatesca.gov~~
Rolling Hills Estates (*4B190203001*)	**Mailing Address**	4045 Palos Verdes Drive North
		Rolling Hills Estates, CA 90274
	~~**Facility Contact, Title, and E-mail**~~	~~Greg Grammer, Assistant to the City Manager~~ ~~ggrammer@rollinghillsestatesca.gov~~
Rosemead (*4B190204001*)	**Mailing Address**	8838 East Valley Boulevard
		Rosemead, CA 91770-1787
	~~**Facility Contact, Title, and Phone**~~	~~Chris Marcarello, Director of PW~~ ~~(626) 569-2118~~
San Dimas (*4B190205001*)	**Mailing Address**	245 East Bonita Avenue
		San Dimas, CA 91773-3002
	~~**Facility Contact, Title, and E-mail**~~	~~Latoya Cyrus, Environmental Services Coordinator~~ ~~lcyrus@ci.san-dimas.ca.us~~
San Fernando (*4B190206001*)	**Mailing Address**	117 Macneil Street
		San Fernando, CA 91340
	~~**Facility Contact, Title, and E-mail**~~	~~Ron Ruiz, Director of Public Works~~ ~~rruiz@sfcity.org~~
San Gabriel (*4B190207001*)	**Mailing Address**	425 South Mission Drive
		San Gabriel, CA 91775
	~~**Facility Contact, Title, and Phone**~~	~~Daren T. Grilley, City Engineer~~ ~~(626) 308-2806 ext. 4631~~
San Marino (*4B190208001*)	**Mailing Address**	2200 Huntington Drive
		San Marino, CA 91108-2691
	~~**Facility Contact, Title, and E-mail**~~	~~Chuck Richie, Director of Parks and Public Works~~ ~~crichie@cityofsanmarino.org~~
Santa Clarita (*4B190117001*)	**Mailing Address**	23920 West Valencia Boulevard, Suite 300
		Santa Clarita, CA 91355
	~~**Facility Contact, Title, and Phone**~~	~~Travis Lange, Environmental Services Manager~~ ~~(661) 255-4337~~
Santa Fe Springs (*4B190108003*)	**Mailing Address**	P.O. Box 2120
		Santa Fe Springs, CA 90670-2120
	~~**Facility Contact, Title, and E-mail**~~	~~Sarina Morales-Choate, Civil Engineer Assistant~~ ~~smorales-choate@santafesprings.org~~
Santa Monica (*4B190122002*)	**Mailing Address**	1685 Main Street
		Santa Monica, CA 90401-3295
	~~**Facility Contact, Title, and E-mail**~~	~~Neal Shapiro, Urban Runoff Coordinator~~ ~~nshapiro@smgov.net~~
Sierra Madre (*4B190209001*)	**Mailing Address**	232 West Sierra Madre Boulevard
		Sierra Madre, CA 91024-2312
	~~**Facility Contact, Title, and Phone**~~	~~James Carlson, Management Analyst~~ ~~(626) 355-7135 ext. 803~~
Signal Hill (*4B190210001*)	**Mailing Address**	2175 Cherry Avenue
		Signal Hill, CA 90755
	~~**Facility Contact, Phone, and E-mail**~~	~~John Hunter~~ ~~(562) 802-7880~~ ~~jhunter@jlha.net~~
South El Monte (*4B190211001*)	**Mailing Address**	1415 North Santa Anita Avenue
		South El Monte, CA 91733-3389
	~~**Facility Contact and Phone**~~	~~Anthony Ybarra, City Manager~~ ~~(626) 579-6540~~
South Gate	**Mailing Address**	8650 California Avenue

Permittee (WDID)	Contact Information	
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Temple City (*4B190214001*)	**Mailing Address**	9701 Las Tunas Drive
		Temple City, CA 91780-2249
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Torrance (*4B190215001*)	**Mailing Address**	3031 Torrance Boulevard
		Torrance, CA 90503-5059
	~~**Facility Contact and Title**~~	~~Leslie Cortez, Senior Administrative Assistant~~
Vernon (*4B190216001*)	**Mailing Address**	4305 Santa Fe Avenue
		Vernon, CA 90058-1786
	~~**Facility Contact and Phone**~~	~~Claudia Arellano~~ ~~(323) 583-8811~~
Walnut (*4B190217001*)	**Mailing Address**	P.O. Box 682
		Walnut, CA 91788
	~~**Facility Contact and Title**~~	~~Jack Yoshino, Senior Management Assistant~~
West Covina (*4B190218001*)	**Mailing Address**	P.O. Box 1440
		West Covina, CA 91793-1440
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West Hollywood (*4B190219001*)	**Mailing Address**	8300 Santa Monica Boulevard
		West Hollywood, CA 90069-4314
	~~**Facility Contact, Title, and E-mail**~~	~~Sharon Perlstein, City Engineer~~ ~~sperlstein@weho.org~~
Westlake Village (*4B190220001*)	**Mailing Address**	31200 Oak Crest Drive
		Westlake Village, CA 91361
	~~**Facility Contact, Title, Phone, and E-mail**~~	~~Joe Bellomo, Stormwater Program Manager~~ ~~(805) 279-6856~~ ~~jbellomo@willdan.com~~
Whittier (*4B190221001*)	**Mailing Address**	13230 Penn Street
		Whittier, CA 90602-1772
	~~**Facility Contact, Title, and E-mail**~~	~~David Mochizuki, Director of Public Works~~ ~~dmochizuki@cityofwhittier.org~~
County of Los Angeles (*4B190107099*)	**Mailing Address**	900 South Fremont Avenue
		Alhambra, CA 91803
	~~**Facility Contact, Title, Phone, and E-mail**~~	~~Gary Hildebrand, Assistant Deputy Director, Division Engineer~~ ~~(626) 458-4300~~ ~~ghildeb@dpw.lacounty.gov~~
Los Angeles County Flood Control District (*4B190107101*)	**Mailing Address**	900 South Fremont Avenue
		Alhambra, CA 91803
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Table 4. Administrative Information

This Order was adopted by the California Regional Water Quality Control Board, Los Angeles Region on:	**November 8, 2012**
This Order becomes effective on:	**December 28, 2012**
This Order was amended by the State Water Resources Control Board on:	**June 16, 2015**
This Order was amended by the California Regional Water Quality Control Board, Los Angeles Region on:	**September 8, 2016**
This Order expires on:	**December 28, 2017**
In accordance with Title 23, Division 3, Chapter 9 of the California Code of Regulations and Title 40, Part 122 of the Code of Federal Regulations, each Discharger shall file a Report of Waste Discharge as application for issuance of new waste discharge requirements no later than:	**180 days prior to the Order expiration date above**

In accordance with section 2235.4 of Title 23 of the California Code of Regulations, the terms and conditions of an expired permit are automatically continued pending issuance of a new permit if all requirements of the federal NPDES regulations on continuation of expired permits are complied with. Accordingly, if a new order is not adopted by the expiration date above, then the Permittees shall continue to implement the requirements of this Order until a new one is adopted.

I, Samuel Unger, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on November 8, 2012; ~~and~~ amended by the State Water Resources Control Board by Order WQ 2015-0075 on June 16, 2015; and amended by the California Regional Water Quality Control Board, Los Angeles Region, on September 8, 2016.

_____

Samuel Unger, Executive Officer

Revisions to Part VI.E.5 of Order No. R4-2012-0175

5. Water Quality-Based Effluent Limitations for Trash

Permittees assigned a Waste Load Allocation in a trash TMDL shall comply as set forth below.

a. Effluent Limitations: Permittees shall comply with the interim and final water quality-based effluent limitations for trash set forth in Attachments L through R for the following Trash TMDLs:

i. Lake Elizabeth Trash TMDL (Attachment L)

ii. Santa Monica Bay Nearshore and Offshore Debris TMDL (Attachment M)

iii. Malibu Creek Watershed Trash TMDL (Attachment M)

iv. Ballona Creek Trash TMDL (Attachment M)

v. Machado Lake Trash TMDL (Attachment N)

vi. Los Angeles River Trash TMDL (Attachment O)

vii. Peck Road Park Lake Trash TMDL (Attachment O)

viii. Echo Park Lake Trash TMDL (Attachment O)

ix. Legg Lake Trash TMDL (Attachment O)

b. Compliance

i. Pursuant to California Water Code section 13360(a), Permittees may comply with the trash effluent limitations using any lawful means. Such compliance options are broadly classified as *full capture*, *partial capture, institutional controls,* or *minimum frequency of assessment and collection,* as described below, and any combination of these may be employed to achieve compliance:

(1) Full Capture Systems:

(a) The Basin Plan authorizes the Regional Water Board Executive Officer to certify *full capture systems*, which are systems that meet the operating and performance requirements as described in this Order, and the procedures identified in “Procedures and

Requirements for Certification of a Best Management Practice for Trash Control as a Full Capture System."[1]

(b) Permittees are authorized to comply with their effluent limitations through certified *full capture systems* provided the requirements of paragraph (c), immediately below, and any conditions in the certification, continue to be met.

(c) Permittees may comply with their effluent limitations through progressive installation of *full capture systems* throughout their jurisdictional areas until all areas draining to Lake Elizabeth, Santa Monica Bay, Malibu Creek, Ballona Creek, Machado Lake, the Los Angeles River system, Legg Lake, Peck Road Park Lake, and/or Echo Park Lake are addressed. For purposes of this Order, attainment of the effluent limitations shall be conclusively presumed for any drainage area to Lake Elizabeth, Santa Monica Bay, Malibu Creek (and its tributaries), Ballona Creek (and its tributaries), Machado Lake, the Los Angeles River (and its tributaries), Legg Lake, Peck Road Park Lake, and/or Echo Park Lake where certified *full capture systems* treat all drainage from the area, provided that the *full capture systems* are adequately sized and maintained, and that maintenance records are up-to-date and available for inspection by the Regional Water Board.

(i) A Permittee shall be deemed in compliance with its final effluent limitation if it demonstrates that all drainage areas under its jurisdiction and/or authority are serviced by appropriate certified *full capture systems* as described in paragraph (1)(c).

(ii) A Permittee shall be deemed in compliance with its interim effluent limitations, where applicable:

1. By demonstrating that *full capture systems* treat the percentage of drainage areas in the watershed that corresponds to the required trash abatement.

2. Alternatively, a Permittee may propose a schedule for installation of *full capture systems* in areas under its jurisdiction and/or authority within a given watershed, targeting first the areas of greatest trash generation, for the Executive Officer's approval. The Executive Officer

[1] The Regional Water Board currently recognizes eight *full capture systems*. These are: Vortex Separation Systems (VSS) and seven other Executive Officer certified *full capture systems*, including specific types or designs of trash nets; two gross solids removal devices (GSRDs); catch basin brush inserts and mesh screens; vertical and horizontal trash capture screen inserts; and a connector pipe screen device. See August 3, 2004 Los Angeles Regional Water Quality Control Board Memorandum titled "Procedures and Requirements for Certification of a Best Management Practice for Trash Control as a Full Capture System.

shall not approve any such schedule that does not result in timely compliance with the final effluent limitations, consistent with the established TMDL implementation schedule and applicable State policies. A Permittee shall be deemed in compliance with its interim effluent limitations provided it is fully in compliance with any such approved schedule.

(2) Partial Capture Devices and Institutional Controls: Permittees may comply with their interim and final effluent limitations through the installation of *partial capture devices* and the application of *institutional controls*.[2]

(a) Trash discharges from areas serviced solely by *partial capture devices* may be estimated based on demonstrated performance of the device(s) in the implementing area.[3] That is, trash reduction is equivalent to the *partial capture devices'* trash removal efficiency multiplied by the percentage of drainage area serviced by the devices.

(b) Except as provided in subdivision (c), immediately below, trash discharges from areas addressed by *institutional controls* and/or *partial capture devices* (where site-specific performance data is not available) shall be calculated using a mass balance approach, based on the daily generation rate (DGR) for a representative area.[4] The DGR shall be determined from direct measurement of trash deposited in the drainage area during any thirty-day period between June 22nd and September 22nd exclusive of rain events[5], and shall be re-calculated every year thereafter unless a less frequent period for recalculation is approved by the Regional Water Board Executive Officer. The DGR shall be calculated as the total amount of trash collected during this period divided by the length of the collection period.

DGR = (Amount of trash collected during a 30-day collection period[6] / (30 days)

The DGR for the applicable area under the Permittees' jurisdiction and/or authority shall be extrapolated from that of the representative drainage area(s). A mass balance equation shall be used to estimate the amount of trash discharged during a

[2] While interim effluent limitations may be complied with using *partial capture devices*, compliance with final effluent limitations cannot be achieved with the exclusive use of *partial capture devices*.
[3] Performance shall be demonstrated under different conditions (e.g. low to high trash loading).
[4] The area(s) should be representative of the land uses and activities within the Permittees' authority and shall be approved by the Executive Officer prior to the 30-day collection period.
[5] Provided no special events are scheduled that may affect the representative nature of that collection period.
[6] Between June 22nd and September 22nd

storm event.[7] The *Storm Event Trash Discharge* for a given rain event in the Permittee's drainage area shall be calculated by multiplying the number of days since the last street sweeping by the DGR and subtracting the amount of any trash recovered in the catch basins.[8] For each day of a storm event that generates precipitation greater than 0.25 inch, the Permittee shall calculate a *Storm Event Trash Discharge*.

Storm Event Trash Discharge = [(Days since last street sweeping*DGR)] – [Amount of trash recovered from catch basins][9]

The sum of the *Storm Event Trash Discharges* for the storm year shall be the Permittee's calculated annual trash discharge.

Total Storm Year Trash Discharge = ∑Storm Event Trash Discharges from Drainage Area

(c) The Executive Officer may approve alternative compliance monitoring approaches for calculating total storm year trash discharge, upon finding that the program will provide a scientifically-based estimate of the amount of trash discharged from the Permittee's MS4.

(3) Combined Compliance Approaches:

Permittees may comply with their interim and final effluent limitations through a combination of *full capture systems*, *partial capture devices*, and *institutional controls*. Where a Permittee relies on a combination of approaches, it shall demonstrate compliance with the interim and final effluent limitations as specified in (1)(c) in areas where *full capture systems* are installed and as specified in (2)(a) or (2)(b), as appropriate, in areas where *partial capture devices* and *institutional controls* are applied.

(4) Minimum Frequency of Assessment and Collection Approach:

If allowed in a trash TMDL and approved by the Executive Officer, a Permittee may alternatively comply with its final effluent limitations by implementing a program for *minimum frequency of assessment and collection* (MFAC) in conjunction with BMPs. To the satisfaction of the Executive Officer, the MFAC/BMP program must meet the following criteria:

[7] Amount of trash shall refer to the uncompressed volume (in gallons) or drip-dry weight (in pounds) of trash collected.
[8] Any negative values shall be considered to represent a zero discharge.
[9] When more than one storm event occurs prior to the next street sweeping the discharge shall be calculated from the date of the last assessment.

(a) The MFAC/BMP Program includes an initial minimum frequency of trash assessment and collection and suite of structural and/or nonstructural BMPs. The MFAC/BMP program shall include collection and disposal of all trash found in the receiving water and shoreline. Permittees shall implement an initial suite of BMPs based on current trash management practices in land areas that are found to be sources of trash to the water body. The initial minimum frequency of trash assessment and collection shall be set as specified in the following TMDLs:

(i) Malibu Creek Watershed Trash TMDL

(ii) Machado Lake Trash TMDL

(iii) Legg Lake Trash TMDL

(b) The MFAC/BMP Program includes reasonable assurances that it will be implemented by the responsible Permittees.

(c) MFAC protocols may be based on SWAMP protocols for rapid trash assessment, or alternative protocols proposed by Permittees and approved by the Regional Water Board Executive Officer.

(d) Implementation of the MFAC/BMP program should include a Health and Safety Program to protect personnel. The MFAC/BMP program shall not require Permittees to access and collect trash from areas where personnel are prohibited.

(e) The Regional Water Board Executive Officer may approve or require a revised assessment and collection frequency and definition of the critical conditions under the MFAC:

(i) To prevent trash from accumulating in deleterious amounts that cause nuisance or adversely affect beneficial uses between collections;

(ii) To reflect the results of trash assessment and collection;

(iii) If the amount of trash collected does not show a decreasing trend, where necessary, such that a shorter interval between collections is warranted; or

(iv) If the amount of trash collected is decreasing such that a longer interval between collections is warranted.

(f) At the end of the implementation period, a revised MFAC/BMP program may be required if the Regional Water Board Executive Officer determines that the amount of trash accumulating between collections is causing nuisance or otherwise adversely affecting beneficial uses.

(g) With regard to (4)(e)(i), (4)(e)(ii), or (4)(e)(iii), above, the Regional Water Board Executive Officer is authorized to allow

responsible Permittees to implement additional structural or non-structural BMPs in lieu of modifying the monitoring frequency.

ii. **Additional Compliance Provisions and Alternatives for revised Ballona Creek and Los Angeles River Trash TMDLs**: For the Ballona Creek and Los Angeles River Trash TMDLs, Permittees may employ alternative compliance options for FCS; partial capture devices and the application of institutional controls; or scientifically based alternative compliance approaches as detailed below. If using an alternative compliance option, Permittees shall submit a revised Watershed Management Program, a revised Enhanced Watershed Management Program, or a separate TMDL implementation plan if the Permittee does not have an approved WMP or EWMP, for Executive Officer approval prior to use of the alternative compliance option.

(1) FCS Technical Infeasibility: As an alternative to subpart b.i(1)(c)(i) above, in drainage areas where the vast majority of catch basins are retrofitted with FCS, the FCS are properly sized, operated, and maintained, and retrofit of the remaining catch basins is technically infeasible, a Permittee may request that the Executive Officer make a determination that the Permittee is in full compliance with its final WLA if all of the following criteria are met:

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

(b) The Permittee submits to the Regional Water Board a report for Executive Officer concurrence, detailing the technical infeasibility of FCS retrofits in the remaining catch basins and evaluating the feasibility of partial capture devices, and the potential to install FCS or partial capture devices along the storm drain or at the MS4 outfall down gradient from the catch basin.

(c) The Permittee submits to the Regional Water Board a report for Executive Officer approval, detailing the partial capture devices and/or institutional controls that are currently and will continue to be implemented in the affected subwatershed(s), including an assessment of the effectiveness of the partial capture devices and/or institutional controls using existing data and studies representative.

In addition, the Permittee shall re-evaluate the effectiveness of institutional controls and partial capture devices and report the findings to the Regional Water Board for confirmation or change to the determination, if significant land use changes occur in the affected subwatershed (based on permits for new and significant re-development) or if there is a significant change in the suite of implemented partial capture devices and/or institutional controls (e.g., reduced frequency of implementation, reduced spatial coverage of implementation, change in technology employed). Such re-evaluation shall occur within one year of the identification of the significant changes.

(2) Mass Balance Equivalency: Compliance with interim and final effluent limitations through the installation of partial capture devices and the application of institutional controls. Permittees employing partial capture devices or institutional controls shall use a mass balance approach based on the trash daily generation rate (DGR), to demonstrate compliance.

The DGR shall be reassessed annually. Permittees may request a less frequent assessment of its DGR for Executive Officer approval when the final WLA has been met (as described below) and the responsible jurisdiction continues to implement at the same level of effort partial capture devices and institutional controls. A return to annual DGR calculation shall be required for a period of years to be determined by the Executive Officer after significant land use changes.

Permittees employing institutional controls or a combination of full capture systems, partial capture devices, and institutional controls shall be deemed in compliance with the final WLAs when the reduction of trash from the jurisdiction's baseline load, in Attachment M and Attachment O, is between 99% and 100% as calculated using a mass balance approach, and the FCS and partial capture devices are properly sized, operated, and maintained.

Alternatively, a Permittee may request that the Executive Officer make a determination that a 97% to 98% reduction of the baseline load, as calculated using a mass balance approach, constitutes full compliance with the final WLA if all of the following criteria are met:

(a) The Permittee submits to the Regional Water Board a report for Executive Officer approval, including, two or more consecutive years of data showing that the Permittee's compliance was at or

above a 97% reduction in its baseline trash load; an evaluation of institutional controls in the jurisdiction demonstrating continued effectiveness and any potential enhancements; and demonstration that opportunities to implement partial capture devices have been fully exploited.

(3) Scientifically Based Alternative: A Permittee(s) employing an alternative compliance approach shall conduct studies of institutional controls and partial capture devices for their particular subwatershed(s) or demonstrate that existing studies are representative and transferable to the implementing area for Executive Officer approval. The Permittee(s) shall also provide a schedule for periodic compliance effectiveness demonstration and evaluation. FCS and partial capture devices shall be properly sized, operated, and maintained consistent with sizing, operation, and maintenance schedules used to determine their effectiveness.

iii. If a Permittee is not in compliance with its applicable interim and/or final effluent limitation as identified in Attachments L through R, then it shall be in violation of this Order.

(1) A Permittee relying on *partial capture devices* and/or *institutional controls* that has violated its interim and/or final effluent limitation(s) shall be presumed to have violated the applicable limitation for each day of each storm event that generated precipitation greater than 0.25 inch during the applicable storm year, except those storm days on which it establishes that its cumulative Storm Event Trash Discharges has not exceeded the applicable effluent limitation.

(2) If a Permittee relying on *full capture systems* has failed to demonstrate that the *full capture systems* for any drainage area are adequately sized and maintained, and that maintenance records are up-to-date and available for inspection by the Regional Water Board, and that it is in compliance with any conditions of its certification, shall be presumed to have discharged trash in an amount that corresponds to the percentage of the baseline waste load allocation represented by the drainage area in question.

(a) A Permittee may overcome this presumption by demonstrating (using any of the methods authorized in Part VI.E.5.b) that the actual or calculated discharge for that drainage area is in compliance with the applicable interim or final effluent limitation.

iv. Each Permittee shall be held liable for violations of the effluent limitations assigned to their area. If a Permittee's compliance strategy includes *full* or *partial capture devices* and it chooses to install a full or partial capture device in the MS4 physical infrastructure of another public entity, it is responsible for obtaining all necessary permits to do

so. If a Permittee believes it is unable to obtain the permits needed to install a full capture or partial capture device within another Permittee's MS4 physical infrastructure, either Permittee may request the Executive Officer to hold a conference with the Permittees. Nothing in this Order shall affect the right of that public entity or a Permittee to seek indemnity or other recourse from the other as they deem appropriate. Nothing in this subsection shall be construed as relieving a Permittee of any liability that the Permittee would otherwise have under this Order.

v. **Los Angeles County Flood Control District Compliance for Ballona Creek and Los Angeles River Trash TMDLs**: For the Ballona Creek and Los Angeles River Trash TMDLs, the LACFCD is not assigned a Waste Load Allocation, since Waste Load Allocations are based on jurisdictional area. However, the LACFCD is responsible for performing storm drain operation and maintenance, including but not limited to: catch basin labeling, catch basin label inspections, and open channel signage; open channel maintenance that includes removal of trash and debris; and implementation of activity specific BMPs, including those related to litter/debris/graffiti in compliance with this Order. The LACFCD may be held responsible with a Permittee for non-compliance with Waste Load Allocations where it has either:

(a) without good cause denied entitlements or other necessary authority to a responsible jurisdiction or agency for the timely installation and/or maintenance of full and/or partial capture trash control devices for purposes of TMDL compliance in parts of the MS4 physical infrastructure that are under its authority, or

(b) not fulfilled its obligations regarding proper BMP installation, operation, and maintenance for purposes of TMDL compliance within the MS4 physical infrastructure under its authority,

thereby causing or contributing to a responsible jurisdiction and/or agency to be out of compliance with its interim or final Waste Load Allocations.

Under these circumstances, the LACFCD's responsibility shall be limited to non-compliance related to the drainage area(s) within the jurisdiction where the LACFCD has authority over the relevant portions of the MS4 physical infrastructure.

Revisions to Attachment E, Table E-1

Approved TMDL Monitoring Plans by Watershed Management Area

TMDL	Comment	Date of Final Plan	Regional Water Board Approval Date
Santa Clara River Watershed Management Area			
Santa Clara River Nitrogen Compounds TMDL	Monitoring Plan was due March 23, 2005.	March 2006	Has not been approved.
Upper Santa Clara River Chloride TMDL	Monitoring Plan was not required.	N/A	N/A
Lake Elizabeth, Munz Lake, and Lake Hughes Trash TMDL (Lake Elizabeth only)	The County of Los Angeles Trash TMDL Monitoring and Reporting Plan for Lake Elizabeth, Munz Lake, and Lake Hughes	June 25, 2009	March 25, 2009
Santa Clara River Estuary and Reaches 3, 5, 6, and 7 Indicator Bacteria TMDL	Monitoring Plan is due on March 21, 2013.	---	---
Santa Monica Bay Watershed Management Area			
Santa Monica Bay Beaches Bacteria TMDL (Wet and Dry)	Santa Monica Bay Beaches Bacterial TMDLs Coordinated Shoreline Monitoring Plan	April 7, 2004	January 8, 2004
Santa Monica Bay Nearshore and Offshore Debris TMDL	Monitoring Plan is due on September 20, 2012.	---	---
Santa Monica Bay TMDL for DDTs and PCBs	USEPA Established TMDL	N/A	N/A
Malibu Creek Subwatershed			
Malibu Creek and Lagoon Bacteria TMDL	Malibu Creek and Lagoon Bacteria TMDL Compliance Monitoring Plan	February 25, 2008	April 8, 2008

TMDL	Comment	Date of Final Plan	Regional Water Board Approval Date
Malibu Creek Watershed Trash TMDL	Malibu Creek Watershed Trash Monitoring and Reporting Plan (TMRP)	April 28, 2010	Has not been approved.
Malibu Creek Watershed Nutrients TMDL	USEPA Established TMDL	N/A	N/A
Ballona Creek Subwatershed			
Ballona Creek Trash TMDL	~~Monitoring Plan was not required.~~ TMRP is due December 30, 2016.	~~N/A~~ ---	~~N/A~~ ---
Ballona Creek Estuary Toxic Pollutants TMDL	Ballona Creek Metals TMDL and Ballona Creek Estuary Toxic Pollutants TMDL Coordinated Monitoring Plan	May 4, 2009	June 25, 2009
Ballona Creek, Ballona Estuary and Sepulveda Channel Bacteria TMDL	Ballona Creek, Ballona Estuary, & Sepulveda Channel Bacteria TMDL Coordinated Monitoring Plan	January 29, 2009	December 16, 2008
Ballona Creek Metals TMDL	Ballona Creek Metals TMDL and Ballona Creek Estuary Toxic Pollutants TMDL Coordinated Monitoring Plan	May 4, 2009	June 25, 2009
Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Vegetation	USEPA Established TMDL	N/A	N/A
Marina del Rey Subwatershed			
Marina del Rey Harbor Mothers' Beach and Back Basins Bacteria TMDL	Marina Del Rey Harbor Mothers' Beach and Back Basins Bacterial TMDL Coordinated Monitoring Plan	June 25, 2007	February 1, 2007

TMDL	Comment	Date of Final Plan	Regional Water Board Approval Date
Marina del Rey Harbor Toxic Pollutants TMDL	Marina Del Rey Harbor Toxic Pollutants Total Maximum Daily Load Coordinated Monitoring Plan	March 31, 2008	March 3, 2009
Dominguez Channel and Greater Harbors Waters Watershed Management Area			
Los Angeles Harbor Bacteria TMDL (Inner Cabrillo Beach and Main Ship Channel)	Monitoring Plan was not required.	N/A	N/A
Machado Lake Trash TMDL	Trash Monitoring & Reporting Plan: Machado Lake Trash TMDL	September 5, 2008	December 9, 2008
	City of Rolling Hills Trash Monitoring and Reporting Plan Machado Lake Trash TMDL	September 5, 2008	December 9, 2008
Machado Lake Nutrient TMDL	Palos Verdes Peninsula Coordinated Monitoring Plan In Compliance with the Machado Lake Nutrient Total Maximum Daily Load	February 1, 2011	December 14, 2010
	Machado Lake Nutrients TMDL Lake Water Quality Management Plan for City of Los Angeles	August 18, 2010	February 14, 2011
	Machado Lake Nutrient TMDL Monitoring and Reporting Program Plan for the City of Carson	March 27, 2012	March 7, 2012

TMDL	Comment	Date of Final Plan	Regional Water Board Approval Date
	Machado Lake Multipollutant TMDL Monitoring and Reporting Program for the Unincorporated Areas of Los Angeles County within the Machado Lake Watershed	September 12, 2011	April 25, 2012
	Monitoring Plans were due from the City of Lomita on April 25, 2011, City of Redondo Beach on March 11, 2010, and City of Torrance on May 16, 2012.	---	---
Machado Lake Pesticides and PCBs TMDL	Monitoring Plan is due on September 20, 2012[10].	---	---
Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL	Monitoring Plan is due on November 23, 2013.	---	---
Los Angeles River Watershed Management Area			
Los Angeles River Watershed Trash TMDL	~~Monitoring Plan was not required.~~ TMRP is due December 30, 2016. PMRP is due December 28, 2017 or as part of its first adaptive management process if the Permittee is participating in an approved WMP or EWMP.	~~N/A~~ ---	~~N/A~~ ---
Los Angeles River Nitrogen Compounds and Related Effects TMDL	Monitoring Plan was due on March 23, 2005.	March 23, 2005	Has not been approved.

[10] The deadline for Permittees assigned both WLAs and LAs to submit one document to address both WLA and LA monitoring requirements and implementation activities shall be September 20, 2013.

TMDL	Comment	Date of Final Plan	Regional Water Board Approval Date
Los Angeles River and Tributaries Metals TMDL	Los Angeles River Metals TMDL Coordinated Monitoring Plan	March 25, 2008	April 11, 2008
Los Angeles River Watershed Bacteria TMDL	Monitoring Plan is due on March 23, 2013.	---	---
Legg Lake Trash TMDL	Legg Lake Trash Monitoring & Reporting Plan: Legg Lake Trash TMDL	September 5, 2008	March 25, 2009
Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL	USEPA Established TMDL	N/A	N/A
Los Angeles Area Lakes TMDLs (Lake Calabasas, Echo Park Lake, Legg Lake and Peck Road Park Lake)	USEPA Established TMDL	N/A	N/A
San Gabriel River Watershed Management Area			
San Gabriel River and Impaired Tributaries Metals and Selenium TMDL	USEPA Established TMDL	N/A	N/A
Los Angeles Area Lakes TMDLs (Puddingstone Reservoir)	USEPA Established TMDL	N/A	N/A
Los Cerritos Channel and Alamitos Bay Watershed Management Area			
Los Cerritos Channel Metals TMDL	USEPA Established TMDL	N/A	N/A
Colorado Lagoon OC Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals TMDL	Colorado Lagoon TMDL Monitoring Plan (CLTMP)	June 15, 2012	August 23, 2012
Middle Santa Ana River Watershed Management Area			
Middle Santa Ana River Watershed Bacteria Indicator TMDL	Monitoring Plan was due on November 16, 2007.	---	---

Revisions to Attachment E, Part XIX.B

Reporting Requirements for Santa Monica Bay WMA TMDLs

Deliverable	Description	Due Date(s)
Santa Monica Bay Beaches Bacteria TMDL		
Monitoring Results	Monthly data summary reports shall be submitted to the Regional Water Board by the last day of each month for data collected during the previous month. Two agencies will submit the monthly reports on behalf of all Permittees: City of Los Angeles, Department of Public Works, Bureau of Sanitation, Environmental Monitoring Division (on behalf of Jurisdictional Groups 1 through 6, 8, and 9); and Los Angeles County Sanitation Districts (on behalf of Jurisdictional Group 7).	Monthly on the last day of the month.
Santa Monica Bay Nearshore and Offshore Debris TMDL		
Trash Monitoring and Reporting Plan (TMRP)	Permittees shall develop a Trash Monitoring and Reporting Plan (TMRP) for Regional Water Board Executive Officer approval that describes the methodologies that will be used to assess and monitor trash in their responsible areas within the Santa Monica Bay WMA or along Santa Monica Bay. The TMRP shall include a plan to establish a site specific trash baseline water quality-based effluent limitation if Permittees elect to not use the default baseline effluent limitation. Requirements for the TMRP shall include, but are not limited to, assessment and quantification of trash collected from source areas in the Santa Monica Bay WMA, and shoreline of the Santa Monica Bay. The monitoring plan shall provide details on the frequency, location, and reporting format. Permittees shall propose a metric (e.g., weight, volume, pieces of trash) to measure the amount of trash discharged from their jurisdictional areas.	Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP, or If a WMP or IMP or CIMP will not be developed then submitted the TMRP 12 months after the effective date of this Order.
Implement TMRP	Implement TMRP	If TMRP is submitted by September 20, 2012, then implement the TMRP 6 months from receipt of letter of approval from Regional Water Board Executive Officer, or the date a plan is established by the Executive Officer; or If an IMP or CIMP is submitted, then monitoring shall commence within 30 days

		after approval of the IMP or CIMP plan by the Executive Officer.
Plastic Pellets Monitoring and Reporting Plan	Permittees identified as responsible jurisdictions and agencies for point sources of trash in the Santa Monica Bay Debris TMDL and in the existing Malibu Creek and Ballona Creek Trash TMDLs, including the Los Angeles County Flood Control District, shall either prepare a Plastic Pellet Monitoring and Reporting Plan (PMRP) or demonstrate that a PMRP is not required. The PMRP shall include protocols for a timely and appropriate response to possible plastic pellets spills within a Permittees' jurisdictional area, and a comprehensive plan to ensure that plastic pellets are contained.	September 20, 2013, or Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP.
Implement PMRP	Implement PMRP	March 20, 2016
Submit results of implementing TMRP and PMRP	Submit results of implementing TMRP and PMRP, recommend trash baseline water quality-based effluent limitations, and propose prioritization of Full Capture System installation or implementation of other measures to attain the required trash and plastic pellet reduction.	December 15, 2013, and annually thereafter
Santa Monica Bay TMDL for DDTs and PCBs (*USEPA established*)		
Monitoring and Reporting Plan	Permittees shall develop a Monitoring and Reporting Plan for Regional Water Board Executive Officer approval that describes the methodologies that will be used to monitor and assess sediment for DDT and PCBs. The monitoring design and assessment framework should be designed to provide credible estimates of the total mass loadings to the Santa Monica Bay. Monitoring should be conducted on a coordinated watershed-wide basis using sufficiently sensitive analytical methods for DDT and PCBs. Monitoring sediments in catch basins designed for pollutant prevention may be a way for Permittees to quantify load reductions to the Santa Monica Bay.	Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP, or If a WMP or IMP or CIMP will not be developed then submitted the Monitoring and Reporting Plan 12 months after the effective date of this Order.
Malibu Creek and Lagoon Bacteria TMDL		
Monitoring Results	Monthly data summary reports shall be submitted to the Regional Water Board by the last day of each month for data collected during the previous month.	Monthly on the last day of the month.
Malibu Creek Watershed Trash TMDL		
Submit results of TMRP	Submit results of Trash Monitoring and Reporting Plan (TMRP), recommend trash baseline water quality-based effluent limitations, and propose prioritization of Full Capture System installation or	December 15, 2013, and annually thereafter

	implementation of other measures to attain the required trash.	
Malibu Creek Watershed Nutrients TMDL (*USEPA established*)		
Monitoring and Reporting Plan	Permittees shall develop a Monitoring and Reporting Plan for Regional Water Board Executive Officer approval that demonstrates compliance with the water quality-based effluent limitations for total nitrogen and total phosphorus.	Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP, or If a WMP or IMP or CIMP will not be developed then submitted the Monitoring and Reporting Plan 12 months after the effective date of this Order.
Ballona Creek Trash TMDL		
Annual Progress Reports	Report compliance with the required percent reduction of trash discharged to Ballona Creek.	December 15, 2013, and annually thereafter.
Trash Monitoring and Reporting Plan / Update CIMP or IMP	Permittees shall propose and implement a Trash Monitoring and Reporting Plan (TMRP) for Executive Officer approval. The Regional Board's Executive Officer will have full authority to review, to modify, to select alternate monitoring sites, and to approve or disapprove the monitoring plans. Permittees may report receiving water monitoring through a separate TMRP annual report, if approved by the Executive Officer, or in conjunction with annual reporting under MS4 permits. Receiving water monitoring shall be consistent with prescribed elements listed in the Surface Water Ambient Monitoring Program's Rapid Trash Assessment or shall be an alternative protocol proposed by the Permittees and approved by the Executive Officer. Monitoring Plan: Permittees will submit a TMRP with the proposed receiving monitoring sites and at least two additional alternate monitoring locations. The TMRP must include maps of the proposed monitoring locations and rationale for their selection. Trash monitoring shall focus on visible trash at representative and critical locations. Sampling Site and Frequency: The TMRP shall detail the monitoring frequency and number and location of sites, including at least one monitoring station per reach and tributary. Each sampling evaluation should consider trash levels over time and under different seasonal conditions. Sampling assessment shall be repeated at the same site where trash was collected during the	December 30, 2016

	previous assessment(s) unless an alternate location has been approved. Permittees shall either submit a revised Integrated Monitoring Program or Coordinated Integrated Monitoring Program incorporating the TMRP requirements or a stand-alone TMRP (if the Permittee does not have an approved IMP or CIMP) for Executive Officer approval by December 30, 2016.	
Ballona Creek Estuary Toxic Pollutants TMDL		
Annual Monitoring Report	Permittees shall submit annual monitoring reports, which include compliance summary tables, to the Regional Water Board.	December 15, 2013, and annually thereafter.
Ballona Creek, Ballona Estuary and Sepulveda Channel Bacteria TMDL		
Monitoring Results	Monthly data summary reports shall be submitted to the Regional Water Board by the last day of each month for data collected during the previous month.	Monthly on the last day of the month.
Ballona Creek Metals TMDL		
Annual Monitoring Report	Permittees shall submit annual monitoring reports, which include compliance summary tables, to the Regional Water Board.	December 15, 2013, and annually thereafter.
Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Vegetation (*USEPA established*)		
Monitoring and Reporting Plan	Permittees shall develop a Sediment Monitoring and Reporting Plan for Regional Water Board Executive Officer approval to quantify the annual loading of sediment from the Ballona Creek Watershed and the impact of the sediment loading into the Ballona Creek Wetlands.	Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP, or If a WMP or IMP or CIMP will not be developed then submitted the Monitoring and Reporting Plan 12 months after the effective date of this Order.
Marina del Rey Harbor Mothers' Beach and Back Basins Bacteria TMDL		
Monitoring Results	Monthly data summary reports shall be submitted to the Regional Water Board by the last day of each month for data collected during the previous month.	Monthly on the last day of the month.
Marina del Rey Harbor Toxic Pollutants TMDL		
Annual Monitoring Report	Permittees shall submit annual monitoring reports, which include compliance summary tables, to the Regional Water Board.	December 15, 2013, and annually thereafter.

Revisions to Attachment E, Part XIX.D

Reporting Requirements for the Los Angeles River WMA TMDLs

Deliverable	Description	Due Date(s)
Los Angeles River Watershed Trash TMDL		
Reporting	Report compliance with the installation of full capture systems and/or installation/implementation of partial capture devices and institutional controls.	December 15, 2013, and annually thereafter.
Trash Monitoring and Reporting Plan / Update CIMP or IMP	Permittees shall propose and implement a Trash Monitoring and Reporting Plan (TMRP) for Executive Officer approval. The Regional Board's Executive Officer will have full authority to review, to modify, to select alternate monitoring sites, and to approve or disapprove the monitoring plans. Permittees may report receiving water monitoring through a separate TMRP annual report, if approved by the Executive Officer, or in conjunction with annual reporting under MS4 permits. Receiving water monitoring shall be consistent with prescribed elements listed in the Surface Water Ambient Monitoring Program's Rapid Trash Assessment or shall be an alternative protocol proposed by the Permittees and approved by the Executive Officer. Monitoring Plan: Permittees will submit a TMRP with the proposed receiving monitoring sites and at least two additional alternate monitoring locations. The TMRP must include maps of the proposed monitoring locations and rationale for their selection. Trash monitoring shall focus on visible trash at representative and critical locations.	December 30, 2016

	Sampling Site and Frequency: The TMRP shall detail the monitoring frequency and number and location of sites, including at least one monitoring station per reach and tributary. Each sampling evaluation should consider trash levels over time and under different seasonal conditions. Sampling assessment shall be repeated at the same site where trash was collected during the previous assessment(s) unless an alternate location has been approved. Permittees shall either submit a revised Integrated Monitoring Program or Coordinated Integrated Monitoring Program incorporating the TMRP requirements or a stand-alone TMRP (if the Permittee does not have an approved IMP or CIMP) for Executive Officer approval by December 30, 2016.	
Plastic Pellet Monitoring and Reporting Plan	Permittees shall prepare a Plastic Pellet Monitoring and Reporting Plan (PMRP) to (i) monitor the amount of plastic pellets being discharged from the MS4; (ii) establish triggers for increased industrial facility inspections and enforcement of SWPPP requirements for industrial facilities identified as responsible for the plastic pellet WLA herein; and (iii) address possible plastic pellet spills. The PMRP shall include protocols for a timely and appropriate response to possible plastic pellets spills within their jurisdictional area, including notification to the Regional Water Board, and a comprehensive plan to ensure that plastic pellets are contained. Permittees will fall into one of the following three categories for requirements of a PMRP: 1. Permittees that have industrial facilities or activities related to the manufacturing, handling, or transportation of plastic pellets within their jurisdiction must prepare a PMRP.	By December 28, 2017 or as part of its first adaptive management process if the Permittee is participating in an approved WMP or EWMP

	2. Permittees that have no industrial facilities or activities related to the manufacturing, handling, or transportation of plastic pellets may not be required to conduct monitoring at MS4 outfalls, but must have a response plan in place to address plastic pellet spills. If satisfactory documentation is provided that shows there are no industrial facilities or activities related to plastic pellets within the jurisdiction, the Permittee may be excused of the requirement to monitor MS4 outfalls. LACFCD will be in this category. 3. Permittees that only have residential areas within their respective jurisdictions, and have limited commercial or industrial transportation corridors (including railways and roadways), may be exempted from the requirements of preparing a PMRP. In order for a responsible jurisdiction to be exempted from this requirement, sufficient documentation including municipal zoning plans must be submitted to the Regional Water Board and approved by the Executive Officer.	
Los Angeles River Nitrogen Compounds and Related Effects TMDL		
Reporting	Annual reporting of monitoring results to the Regional Water Board.	December 15, 2013, and annually thereafter.
Los Angeles River and Tributaries Metals TMDL		
Annual Monitoring Report	Permittees shall submit annual monitoring reports as detailed in the approved coordinated monitoring plan to the Regional Water Board.	December 15, 2013, and annually thereafter.
Los Angeles River Watershed Bacteria TMDL		

Bacteria Coordinated Monitoring Plan	Permittees shall submit a Bacteria Coordinated Monitoring Plan (CMP), which shall be submitted for Regional Water Board Executive Officer approval. The CMP shall detail: the number and location of sites, including at least one monitoring station per each river segment, reach and tributary addressed under this TMDL; measurements and sample collection methods; and monitoring frequencies. Permittees may also include in the CMP, for Executive Officer consideration, other meteorological stations which may be more representative of the existing hydrology and climate. Each segment, reach, and tributary addressed under this TMDL shall be monitored at least monthly until the subject segment, reach or tributary is at the end of the execution part of its first implementation phase (i.e. 7 years after beginning the segment or tributary-specific phase), to determine compliance with the interim water quality based effluent limitations. Each segment, reach and tributary addressed under this TMDL shall be monitored at least weekly to determine compliance with the instream targets after the first implementation phase. For parties pursuing a Load Reduction Strategy (LRS), intensive outfall monitoring will be conducted before and after implementation of the LRS. Pre-LRS monitoring will be used to estimate the *E. coli* loading from MS4 outfalls to the segment or tributary, and identify the outfalls and types of implementation actions that are expected to be necessary to attain the water quality based limits. Post-LRS monitoring will be used to evaluate compliance with the interim water quality based limits and to plan for additional implementation actions to meet the final water quality based limits, in a second implementation phase, if necessary. When applicable, outfall monitoring shall including *E. coli* by USEPA- approved methods and flow rate at *all* MS4 outfalls	March 23, 2013, or Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP.

	("snapshots") that are discharging to a segment or tributary or across jurisdictional boundaries during a given monitoring event. For each LRS, at least six (6) snapshots shall be conducted for pre-LRS monitoring, and at least three (3) snapshots shall be conducted for post- LRS monitoring. For MS4s that choose to follow a non-LRS implementation approach, but choose to demonstrate compliance with Equivalent Conditions, at least six (6) snapshots shall be conducted.	
Implement CMP	Permittees shall begin implementation actions to attain water quality-based effluent limitation, as necessary.	30 days after approval of the CMP
Annual Monitoring Report	Annual reporting of monitoring results to the Regional Water Board.	December 15, 2013, and annually thereafter.
Implementation Plan	Permittees shall submit an Implementation Plan for wet weather with interim milestones for approval of the Regional Water Board Executive Officer.	March 23, 2022
Legg Lake Trash TMDL		
TMRP Reports MFAC	Report compliance with the approved MFAC program.	December 15, 2013, and annually thereafter
Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL		
Compliance Monitoring	To evaluate compliance with numeric targets, monitoring shall take place at existing monitoring sites as well as any new monitoring locations in the ambient water. For beach monitoring locations, daily or systematic weekly sampling in the wave wash at all major drains and creeks, existing monitoring stations at beaches without storm drains, and freshwater outlets is recommended to evaluate compliance. At all beach locations, samples should be taken at ankle depth and on an incoming wave, consistent with section 7961(b) of title 17 of the California Code of Regulations. At locations where there is a freshwater outlet, during wet weather, samples should be taken as close as possible to the wave wash, and no further away than 10 meters down current of the storm drain or outlet. A robust monitoring program shall be developed for the LAR Estuary. Available data includes bi-weekly monitoring from May through September of 2009, and 2010. Monitoring shall be	Submit an IMP or CIMP plan concurrently with the Permittee's draft WMP, or If a WMP or IMP or CIMP will not be developed then submitted the Monitoring Plan 12 months after the effective date of this Order.

	expanded to include year round monitoring requirements, and at least three monitoring locations within the Estuary. We understand that adequate data to establish a reference estuary approach is currently not available. If in the future, adequate data from reference estuary studies become available, it may be appropriate to consider a reference estuary approach to evaluate compliance with these TMDLs.	

Addition of Part VI.D.5 to Attachment F

5. TMDL Revisions Incorporated after November 8, 2012

Part VI.A.7 of this Order contains reopener and modification provisions that allow for the permit to be modified, revoked, reissued, or terminated under certain circumstances. Subpart a.iv. provides that a cause for taking such actions includes incorporating provisions as a result of TMDL reconsiderations.

a. Permit Modification Related to Revised Los Angeles River Watershed and Ballona Creek Watershed Trash TMDLs

On June 11, 2015, the Regional Water Board adopted Resolution No. R15-006, an amendment to the Water Quality Control Plan for the Los Angeles Region to revise the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed Trash TMDL. The revised TMDLs were subsequently approved by the State Water Resources Control Board (State Water Board) by Resolution No. 2015-0068 on November 17, 2015; the Office of Administrative Law on May 4, 2016; and the U.S. Environmental Protection Agency (U.S. EPA) on June 30, 2016. The revised TMDLs became effective upon approval by U.S. EPA.

This Order has been modified consistent with the revisions to these TMDLs, as described below.

Alternative Methods for Demonstrating Compliance with Final Effluent Limitations

Provisions are included in Part VI.E.5.b to provide Permittees alternatives for demonstrating compliance with the final effluent limitations prescribed to achieve the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed Trash TMDL. The Staff Report for Resolution No. R15-006 describes the practical considerations that these alternatives address. For example, regarding responsible agencies that have chosen to use full capture systems (FCS) to achieve compliance, the Staff Report notes that:

> Exclusive use of full capture systems provides advantages and many responsible agencies have chosen to use full capture systems exclusively to achieve their WLAs. However, some of these responsible agencies have found that there are some catch basins for which retrofitting with a full capture system, or even a partial capture device, is technically infeasible due to the configuration of the catch basin (i.e., usually too shallow to accommodate a full capture system). In these cases, installation of a full capture system would create a flood risk or would require significant expense to redesign the catch basin and the connected storm drain system that may be out of proportion with the reduction in trash that would be achieved.

To address these practical considerations, in drainage areas where the vast majority of catch basins are retrofitted with Full Capture Systems (FCS); the FCS are properly sized, operated, and maintained; and retrofit of the remaining catch basins is technically infeasible, Permittees may request that the Executive Officer make a determination that the agency is in full compliance with its final WLA if three criteria are met as specified in Part VI.E.5.b.ii.(1).

In these instances, Part VI.E.5.b.ii.(1) of the Order also requires Permittees to re-evaluate the effectiveness of institutional controls and partial capture devices and report the findings to the Regional Water Board for confirmation or change to the determination, if significant land use changes occur in the affected subwatershed (based on permits for new and significant re-development) or if there is a significant change in the suite of implemented partial capture devices and/or institutional controls (e.g., reduced frequency of implementation, reduced spatial coverage of implementation, change in technology employed). The Order requires such re-evaluation to occur within one year of the identification of the significant changes.

The TMDL revisions addressed similar practical considerations for Permittees employing institutional controls or a combination of full capture systems, partial capture devices, and institutional controls. According to the TMDL revisions, Permittees employing these strategies shall be deemed in compliance with the final WLAs when the reduction of trash from the jurisdiction's baseline load is between 99% and 100% as calculated using a mass balance approach, and the FCS and partial capture devices are properly sized, operated, and maintained.

Alternatively, Permittees may request that the Executive Officer make a determination that a 97% to 98% reduction of the baseline load as calculated using a mass balance approach, constitutes full compliance with the final WLA if the criteria set forth in Part VI.E.5.b.ii.(2) are met.

Finally, Permittees may demonstrate compliance with interim and final WLAs through a scientifically based alternative compliance approach as described in Part VI.E.5.b.ii.(3). Permittees employing alternative compliance options for FCS, partial capture devices, and the application of institutional controls, or employing a scientifically based alternative compliance approach shall submit a revised Watershed Management Program (WMP) or Enhanced Watershed Management Program (EWMP) or separate TMDL implementation plan if the Permittee does not have an approved WMP or EWMP, for Executive Officer approval prior to use of these alternative compliance options.

Provisions Related to Permittee Responsibilities Relative to the Los Angeles River Watershed and Ballona Creek Watershed Trash TMDLs

Updates to the list of Permittees subject to the Los Angeles River Watershed Trash TMDL and Ballona Creek Watershed Trash TMDL have been made to Attachment K, Tables K-3 and K-5, to ensure that compliance with the interim and final water quality-based effluent limitations and related permit provisions is appropriately determined.

First, consistent with the revised Los Angeles River Watershed Trash TMDL, the City of Santa Clarita was removed as a responsible Permittee for the TMDL and is therefore no longer subject to the effluent limitations for trash assigned to MS4 discharges for the Los Angeles River watershed. The City of Santa Clarita was originally assigned effluent limitations for discharges of trash from its MS4 because a small area within the city's jurisdiction is in the Los Angeles River Watershed. However, as noted in the Staff Report to Resolution No. R15-006, the Los Angeles Water Board has established that the area of the city within the Los Angeles River watershed is undeveloped open space and contains no storm drains or other MS4 infrastructure. The City of Santa Clarita has been removed from Table K-5 in Attachment K and Part A.3 of Attachment O.

Second, the Los Angeles County Flood Control District (LACFCD) has been added as a responsible Permittee subject to the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed Trash TMDL. The LACFCD is not assigned a waste load allocation, since waste load allocations are based on jurisdictional area. However, given the LACFCD's separate authority over the MS4, and the fact that some of the key compliance strategies for trash TMDLs rely on installation within the LACFCD's infrastructure, permit provisions affirming and outlining the LACFCD's responsibilities are necessary. Provisions have been added to Part VI.E.5.b.v. pertaining to the LACFCD's responsibilities with respect to the effluent limitations for trash and how the LACFCD may be held responsible with a Permittee for non-compliance with the trash effluent limitations.

Provisions for Plastic Pellet Monitoring for Permittees Subject to the Los Angeles River Watershed Trash TMDL

Permittees subject to the Ballona Creek Watershed Trash TMDL are already addressing plastic pellets as part of the requirements related to the Santa Monica Bay Debris TMDL to which they are also subject. The addition of similar provisions for Permittees subject to the Los Angeles River Watershed Trash TMDL ensures consistency among trash TMDLs.

Specifically, Attachment E, Part XIX.D requires that Permittees that are subject to the Los Angeles River Watershed Trash TMDL and which do not meet the exemption criteria (as set forth in Attachment E, Part XIX.D) prepare a Plastic Pellet Monitoring and Reporting Plan (PMRP) to (i) monitor the amount of plastic pellets being discharged from the MS4; (ii) establish triggers for increased industrial facility inspections and enforcement of Storm Water Pollution Prevention Plan (SWPPP) requirements for industrial facilities identified as responsible for the plastic pellet WLA herein; and/or (iii) address possible plastic pellet spills. Permittees subject to the Los Angeles River Trash TMDL must submit a PMRP to the Regional Water Board either (i) by December 28, 2017 or (ii) as part of its adaptive management process if the Permittee is participating in an approved WMP or EWMP.

Provisions for Receiving Water Monitoring for Trash

Incorporation of receiving water monitoring requirements allows for an objective evaluation of the effectiveness, and continued effectiveness, of the implementation actions to control trash discharges from the MS4 throughout the two watersheds.

Attachment E, Parts XIX.B and XIX.D require that Permittees propose for Executive Officer approval, and implement, a Trash Monitoring and Reporting Plan (TMRP). To meet this requirement, Permittees must submit a revised Integrated Monitoring Program (IMP) or Coordinated Integrated Monitoring Program (CIMP) incorporating the TMRP requirements or a stand-alone TMRP (if the Permittee does not have an approved IMP or CIMP) for Executive Officer approval six months after the effective date of the TMDL (i.e., December 30, 2016).

Revisions to Attachment K, Table K-3

Table K-3: Santa Monica Bay Watershed Management Area TMDLs

SANTA MONICA BAY WATERSHED MANAGEMENT AREA PERMITTEES	ACTIVE TMDLS						
	Ballona Creek Subwatershed					Marina del Rey Subwatershed	
	Ballona Creek Trash TMDL	Ballona Creek Estuary Toxic Pollutants TMDL	Ballona Creek, Ballona estuary and Sepulveda Channel Bacteria TMDL	Ballona Creek Metals TMDL	Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Vegetation	Marina del Rey Harbor Mothers' Beach and Back Basins Bacteria TMDL	Marina del Rey Harbor Toxic Pollutants TMDL
Agoura Hills							
Beverly Hills	X	X	X	X	X		
Calabasas							
Culver City	X	X	X	X	X	X	X
El Segundo							
Hermosa Beach							
Hidden Hills							
Inglewood	X	X	X	X	X		
Los Angeles (City of)	X	X	X	X	X	X	X
Los Angeles (County of)	X	X	X	X	X	X	X
Los Angeles County Flood Control	X	X	X	X	X	X	X
Malibu							
Manhattan Beach							
Palos Verdes Estates							
Rancho Palos Verdes							
Redondo Beach							

SANTA MONICA BAY WATERSHED MANAGEMENT AREA PERMITTEES	ACTIVE TMDLS						
	Ballona Creek Subwatershed					Marina del Rey Subwatershed	
	Ballona Creek Trash TMDL	Ballona Creek Estuary Toxic Pollutants TMDL	Ballona Creek, Ballona estuary and Sepulveda Channel Bacteria TMDL	Ballona Creek Metals TMDL	Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Vegetation	Marina del Rey Harbor Mothers' Beach and Back Basins Bacteria TMDL	Marina del Rey Harbor Toxic Pollutants TMDL
Rolling Hills							
Rolling Hills Estates							
Santa Monica	X	X	X	X	X		
Torrance							
West Hollywood	X	X	X	X	X		
Westlake Village							

Revisions to Attachment K, Table K-5

Table K-5: Los Angeles River Watershed Management Area TMDLs

LOS ANGELES RIVER WATERSHED MANAGEMENT AREA PERMITTEES	ACTIVE TMDLS							
	Los Angeles River Watershed Trash TMDL	Los Angeles River Nitrogen Compounds and Related Effects TMDL	Los Angeles River and Tributaries Metals TMDL	Los Angeles River Watershed Bacteria TMDL	Legg Lake Trash TMDL	Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL	Los Angeles Area Lake TMDLs for Lake Calabasas, Echo Park Lake, Legg Lake and Peck Road Park Lake	Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL[1]
Alhambra	X	X	X	X				
Arcadia	X	X	X	X			X	
Bell	X	X	X	X				
Bell Gardens	X	X	X	X				
Bradbury	X	X	X	X			X	
Burbank	X	X	X	X				
Calabasas	X	X	X	X			X	
Carson	X	X	X	X				X
Commerce	X	X	X	X				
Compton	X	X	X	X				X
Cudahy	X	X	X	X				
Downey	X	X	X	X				
Duarte	X	X	X	X			X	
El Monte	X	X	X	X	X		X	
Glendale	X	X	X	X				
Hidden Hills	X	X	X	X				
Huntington Park	X	X	X	X				
Irwindale	X	X	X	X			X	
La Canada Flintridge	X	X	X	X				
Lakewood	X	X						X

LOS ANGELES RIVER WATERSHED MANAGEMENT AREA PERMITTEES	ACTIVE TMDLS							
	Los Angeles River Watershed Trash TMDL	Los Angeles River Nitrogen Compounds and Related Effects TMDL	Los Angeles River and Tributaries Metals TMDL	Los Angeles River Watershed Bacteria TMDL	Legg Lake Trash TMDL	Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL	Los Angeles Area Lake TMDLs for Lake Calabasas, Echo Park Lake, Legg Lake and Peck Road Park Lake	Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL[1]
Los Angeles (City of)	X	X	X	X			X	X
Los Angeles (County of)	X	X	X	X	X		X	X
Los Angeles County Flood Control	X	X	X	X	X	X	X	X
Lynwood	X	X	X	X				
Maywood	X	X	X	X				
Monrovia	X	X	X	X			X	
Montebello	X	X	X	X				
Monterey Park	X	X	X	X				
Paramount	X	X	X	X				X
Pasadena	X	X	X	X				
Pico Rivera	X	X	X	X				
Rosemead	X	X	X	X				
San Fernando	X	X	X	X				
San Gabriel	X	X	X	X				
San Marino	X	X	X	X				
Santa Clarita	~~X~~	X	X	X				
Sierra Madre	X	X	X	X			X	
Signal Hill	X	X	X	X		X		X
South El Monte	X	X	X	X	X		X	
South Gate	X	X	X	X				
South Pasadena	X	X	X	X				
Temple City	X	X	X	X				

LOS ANGELES RIVER WATERSHED MANAGEMENT AREA PERMITTEES	ACTIVE TMDLS							
	Los Angeles River Watershed Trash TMDL	Los Angeles River Nitrogen Compounds and Related Effects TMDL	Los Angeles River and Tributaries Metals TMDL	Los Angeles River Watershed Bacteria TMDL	Legg Lake Trash TMDL	Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL	Los Angeles Area Lake TMDLs for Lake Calabasas, Echo Park Lake, Legg Lake and Peck Road Park Lake	Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants TMDL[1]
Vernon	X	X	X	X				

Revisions to Attachment O, Part A

A. Los Angeles River Watershed Trash TMDL

1. Permittees subject to the provisions below are identified in Attachment K, Table K-5.

2. Permittees shall comply with the final water quality-based effluent limitation of zero trash discharged to the Los Angeles River no later than September 30, 2016 and every year thereafter.

3. Permittees shall comply with interim and final water quality-based effluent limitations for trash discharged to the Los Angeles River, per the schedule below:

Los Angeles River Watershed Trash Effluent Limitations[11] per Storm Year[12] (gallons of uncompressed trash)

Permittees	Baseline	2012 (30%)	2013 (20%)	2014 (10%)	2015 (3.3%)	2016[13] (0%)
Alhambra	39903	11971	7981	3990	1317	0
Arcadia	50108	15032	10022	5011	1654	0
Bell	16026	4808	3205	1603	529	0
Bell Gardens	13500	4050	2700	1350	446	0
Bradbury	4277	1283	855	428	141	0
Burbank	92590	27777	18518	9259	3055	0
Calabasas	22505	6752	4501	2251	743	0
Carson	6832	2050	1366	683	225	0
Commerce	58733	17620	11747	5873	1938	0
Compton	53191	15957	10638	5319	1755	0
Cudahy	5935	1781	1187	594	196	0
Downey	39063	11719	7813	3906	1289	0
Duarte	12210	3663	2442	1221	403	0
El Monte	42208	12662	8442	4221	1393	0
Glendale	140314	42094	28063	14031	4630	0
Hidden Hills	3663	1099	733	366	121	0
Huntington Park	19159	5748	3832	1916	632	0
Irwindale	12352	3706	2470	1235	408	0
La Cañada Flintridge	33496	10049	6699	3350	1105	0
Los Angeles	1374845	412454	274969	137485	45370	0
Los Angeles County	310223	93067	62045	31022	10237	0
Lynwood	28201	8460	5640	2820	931	0
Maywood	6129	1839	1226	613	202	0
Monrovia	46687	14006	9337	4669	1541	0
Montebello	50369	15111	10074	5037	1662	0
Monterey Park	38899	11670	7780	3890	1284	0

[11] Effluent limitations are expressed as allowable trash discharge relative to baseline Waste Load Allocations specified in Table 7-2.2 of the Basin Plan.

[12] Storm year is defined as October 1 to September 30 herein.

[13] Permittees shall achieve their final effluent limitation of zero trash discharge for the 2015-2016 storm year and every year thereafter.

Permittees	Baseline	2012 (30%)	2013 (20%)	2014 (10%)	2015 (3.3%)	2016[13] (0%)
Paramount	27452	8236	5490	2745	906	0
Pasadena	111998	33599	22400	11200	3696	0
Pico Rivera	13953	4186	2791	1395	460	0
Rosemead	27305	8192	5461	2731	901	0
San Fernando	13947	4184	2789	1395	460	0
San Gabriel	20343	6103	4069	2034	671	0
San Marino	14391	4317	2878	1439	475	0
~~Santa Clarita~~	~~901~~	~~270~~	~~180~~	~~90~~	~~30~~	~~0~~
Sierra Madre	11611	3483	2322	1161	383	0
Signal Hill	9434	2830	1887	943	311	0
Simi Valley	137	41	27	14	5	0
South El Monte	15999	4800	3200	1600	528	0
South Gate	43904	13171	8781	4390	1449	0
South Pasadena	14907	4472	2981	1491	492	0
Temple City	17572	5272	3514	1757	580	0
Vernon	47203	14161	9441	4720	1558	0

Los Angeles River Watershed Trash Effluent Limitations[14] per Storm Year[15] (pounds of drip-dry trash)

Permittees	Baseline	2012 (30%)	2013 (20%)	2014 (10%)	2015 (3.3%)	2016[16] (0%)
Alhambra	68761	20628	13752	6876	2269	0
Arcadia	93036	27911	18607	9304	3070	0
Bell	25337	7601	5067	2534	836	0
Bell Gardens	23371	7011	4674	2337	771	0
Bradbury	12160	3648	2432	1216	401	0
Burbank	170389	51117	34078	17039	5623	0
Calabasas	52230	15669	10446	5223	1724	0
Carson	10208	3062	2042	1021	337	0
Commerce	85481	25644	17096	8548	2821	0
Compton	86356	25907	17271	8636	2850	0
Cudahy	10061	3018	2012	1006	332	0
Downey	68507	20552	13701	6851	2261	0
Duarte	23687	7106	4737	2369	782	0
El Monte	68267	20480	13653	6827	2253	0
Glendale	293498	88049	58700	29350	9685	0
Hidden Hills	10821	3246	2164	1082	357	0
Huntington Park	30929	9279	6186	3093	1021	0
Irwindale	17911	5373	3582	1791	591	0
La Cañada Flintridge	73747	22124	14749	7375	2434	0
Los Angeles	2572500	771750	514500	257250	84893	0
Los Angeles County	651806	195542	130361	65181	21510	0
Lynwood	46467	13940	9293	4647	1533	0
Maywood	10549	3165	2110	1055	348	0
Monrovia	100988	30296	20198	10099	3333	0

[14] Effluent limitations are expressed as allowable trash discharge relative to baseline Waste Load Allocations specified in Table 7-2.2 of the Basin Plan.

[15] Storm year is defined as October 1 to September 30 herein.

[16] Permittees shall achieve their final effluent limitation of zero trash discharge for the 2015-2016 storm year and every year thereafter.

Permittees	Baseline	2012 (30%)	2013 (20%)	2014 (10%)	2015 (3.3%)	2016[16] (0%)
Montebello	83707	25112	16741	8371	2762	0
Monterey Park	70456	21137	14091	7046	2325	0
Paramount	44490	13347	8898	4449	1468	0
Pasadena	207514	62254	41503	20751	6848	0
Pico Rivera	22549	6765	4510	2255	744	0
Rosemead	47378	14213	9476	4738	1563	0
San Fernando	23077	6923	4615	2308	762	0
San Gabriel	36437	10931	7287	3644	1202	0
San Marino	29147	8744	5829	2915	962	0
~~Santa Clarita~~	~~2326~~	~~698~~	~~465~~	~~233~~	~~77~~	~~0~~
Sierra Madre	25192	7558	5038	2519	831	0
Signal Hill	14220	4266	2844	1422	469	0
Simi Valley	344	103	69	34	11	0
South El Monte	24319	7296	4864	2432	803	0
South Gate	72333	21700	14467	7233	2387	0
South Pasadena	28357	8507	5671	2836	936	0
Temple City	31819	9546	6364	3182	1050	0
Vernon	66814	20044	13363	6681	2205	0

4. Permittees shall comply with the interim and final water quality-based effluent limitations for trash in A.2 and A.3 above per the provisions in Part VI.E.5.