



California Regional Water Quality Control Boai Caltrans - MS4 Permit Deadline: 3/14/11 by 12 noon Los Angeles Region

**Public Comment** 



Edmund G. Brown Jr. Governor

Linda S. Adams Acting Secretary for Environmental Protection 320 West Fourth Street, Suite 200, Los Angeles, California 90013 (213) 576-6600 • Fax (213) 576-6640 http://www.waterboards.ca.gov/losangeles

March 14, 2011

Jeanine Townsend Clerk to the Board State Water Resources Control Board 1001 | Street, 24th Floor Sacramento, CA 95814



Dear Ms. Townsend:

The Los Angeles Regional Water Quality Control Board (LA Regional Board) appreciates the opportunity to provide comments on the January 7, 2011 Draft NPDES Statewide Storm Water Permit/Waste Discharge Requirements (WDRs) for State of California, Department of Transportation (Caltrans). The LA Regional Board has previously provided comments to State Board staff during the development of the draft permit.

The focus of the LA Regional Board's comments is on the incorporation of TMDL requirements as described in the draft Permit, Findings 32-36, Section 4. TMDL Compliance Requirements, and Attachment IV. TMDL Requirements.

Attachment IVa identifies TMDLs adopted by the Regional Boards for which Caltrans has been assigned a Waste Load Allocation (WLA), while Attachment IVb identifies those TMDLs applicable to Caltrans that have been established by USEPA. In the Los Angeles Region, Caltrans is subject to 23 TMDLs adopted by the LA Regional Board and 4 TMDLs established by USEPA. These include 7 trash TMDLs, 5 bacteria TMDLs, 5 metals TMDLs, 4 nutrient and related effects TMDLs, 4 toxics/toxicity TMDLs, and 2 chloride TMDLs. (See Attachment A to this letter.)

H-2

The LA Regional Board believes that it is imperative to include the WLAs assigned to Caltrans in Attachment IV as permit requirements rather than simply referencing the regional basin plans in which they can be found. This is important not only from a legal standpoint (40 CFR §122.44(d)(1)(vii) and Cal. Water Code §13263(a)), but also in order to provide clarity and transparency regarding the TMDL requirements to which Caltrans is subject. Therefore, we request that Footnote 1 of Attachment IV is revised to state that Attachment IV contains new specific permit requirements derived from San Francisco Bay Regional Water Board TMDLs ... as well as from TMDLs applicable to Caltrans within the Los Angeles Region. Unlike the remainder of Attachment IV, these requirements are directly enforceable through this Order." [Recommended revision shown above in underlined text.]

California Environmental Protection Agency



H-4

Finding 36 should also be clarified to state that implementation requirements for specified TMDLs under the jurisdiction of the Los Angeles Regional Water Board, in addition to those for the San Francisco Regional Water Board, are given in Attachment IV.

H-5

In Attachment B to this letter, the LA Regional Board has provided recommended revisions and additions to Attachment IVa of the Tentative Order for the TMDLs listed for the Los Angeles Region, including importantly the addition of the WLAs assigned to Caltrans. For the Los Angeles River Watershed Trash TMDL, the additional language provided in Attachment B is the same as that incorporated by the LA Regional Board into the Los Angeles County MS4 Permit for MS4 co-permittees within the Los Angeles River Watershed (Order No. R4-2009-0130 amending Order No. 01-182, adopted on December 10, 2009). [Recommended additions and corrections are shown in underline/strikeout text.]

H-6

In Attachment IV, it states that WLAs are listed where the relevant TMDL assigns a specific numeric load to Caltrans. Similarly, Finding 33 states that WLAs are shared jointly among several dischargers, "with no specific mass loads assigned to individual discharges". Federal regulations and USEPA guidance allow the expression of WLAs in a number of ways including but not limited to daily loads, concentrations, exceedance days shared among dischargers, and grouped mass-based loads. In a number of TMDLs within the Los Angeles Region, including some TMDLs established by USEPA, Caltrans is assigned a grouped WLA because of the nature of the co-mingled stormwater and urban runoff discharges to waters of the U.S. and the manner of expression of the WLA. Though the WLA may not be disaggregated among individual Permittees, the TMDLs in the Los Angeles Region make it clear that individual Permittees assigned an aggregate WLA are responsible for complying with that WLA. Therefore, these WLAs must be included in the Caltrans permit, where Caltrans is identified as one of the dischargers subject to the aggregate WLA. We recommend that the language of Finding 33 is clarified to state that, "WLAs for some TMDLs are shared jointly among several dischargers, with no specific mass loads assigned to individual dischargers. In these cases, multiple dischargers are assigned a grouped or aggregate waste load allocation and each discharger is responsible for complying with the aggregate waste load allocation for their own discharges." [Recommended additions and corrections are shown in underline/strikeout text.]

H-7

H-8

2. Knowledge and experience in stormwater management has advanced significantly over the past two decades. As a result, regulatory agencies have the information needed in many cases to develop numeric WQBELs for stormwater and urban runoff. In fact, the State Board recognizes that the TMDL WLAs in the draft permit are "effluent limits". Therefore>Finding 34 should be revised by deleting the now outdated qualifying statement, "Due to the nature of storm water discharges, and the typical lack of information on which to base numeric WQBELs", and stating instead that "[f]ederal regulations give states the discretion to either express the TMDL's waste load

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H-9

H-12

allocations (WLAs) as numeric water quality based effluent limitations (WQBELs) or best management practices (BMPs) sufficient to achieve the WLA." The Finding should emphasize that the use of BMPs is only supportable as an expression of a TMDL's WLA where the permit's administrative record substantiates that the BMPs are expected to be sufficient to fully implement the WLA in the TMDL, consistent with the implementation schedule established in the TMDL. Iterative approaches without such a record to substantiate them should not qualify for consideration as an expression of a TMDL's WLA. Furthermore, this should not substitute for the Water Boards' obligation to include other requirements such as numeric WQBELs that may be necessary to achieve water quality standards. Finding 35 should also be revised to clarify that compliance may be achieved by demonstrating that the numeric WLA is achieved or that BMPs sufficient to achieve the WLA have been implemented on scheduled and consistent with a regional board-approved TMDL implementation plan.

H-10

Additionally, the language in Section 4.a TMDL Compliance Requirements should be similarly revised by replacing the last sentence of the first paragraph with a provision stating, instead, that compliance may be demonstrated by achieving the WQBEL (permit's expression of the TMDL WLA) or by implementing BMPs sufficient to achieve the WLA.

H-11

3. Finding 35 and the draft permit provisions (e.g., 6.d. Regional Water Board Authorities) should also set forth the authority(ies) of the regional boards to require TMDL-specific monitoring by Caltrans to assess compliance with the individual and/or aggregate TMDL WLAs assigned to it. This authority should include that provided in Cal. Water Code §13383.

Finding 37 regarding notification of non-compliance should be clarified to add that Caltrans must notify the applicable regional board of non-compliance with TMDL WLAs.

H-13

5. Under C.1 Effluent Limitations, the provision should be clarified to be consistent with Finding 36 to state that Caltrans shall reduce the discharge of pollutants from its MS4 to waters of the U.S. to the MEP, or as necessary to achieve TMDL WLAs established for discharges by Caltrans to that waterbody. [Revision shown in underlined text.]

H-14

6. The LA Regional Board has also provided recommended revisions to Attachment V. Region Specific Requirements to ensure their consistency with previous amendments to the Los Angeles County MS4 Permit (Order No. R4-2007-0042 amending Order No. 01-182) and the currently proposed LA County MS4 Permit and, specifically, the permit provisions implementing the Summer Dry Weather TMDL WLAs for Santa Monica Bay Beaches and Marina del Rey Harbor, including Mothers' Beach. [See Attachment C to this letter.]

Please feel free to contact Renee Purdy, Section Chief, Regional Programs at <a href="mailto:rpurdy@waterboards.ca.gov">rpurdy@waterboards.ca.gov</a> or (213) 576-6622 if you have any questions. We look forward to

working with the State Board to finalize the draft permit as well as to implementing its provisions in the Los Angeles Region.

Sincerely,

Samuel Unger, P.E. Executive Officer

**Enclosures** 

# ATTACHMENT C TO LA REGIONAL BOARD COMMENTS

# ATTACHMENT V—REGION SPECIFIC REQUIREMENTS

### PART 3 LOS ANGELES REGION

- General Discharge Provisions Prohibitions
   Discharges of Summer Dry Weather flows from the Department's MS4 into Santa Monica Bay<sup>1</sup> or into Marina Del Rey Harbor Basins D, E, or F, including Mothers' Beach (County of Los Angeles) that cause or contribute to exceedances of the bacteria Receiving Water Limitations in Part 2 below are prohibited.<sup>2</sup>
- 2. During Summer Dry Weather there shall be no discharges of bacteria from MS4s into the Santa Monica Bay or Marina del Rey Harbor Basins D, E, or F, including Mothers' Beach that cause or contribute to exceedances in the Wave Wash, of the applicable bacteria objectives. The applicable bacteria objectives include both the single sample and geometric mean bacteria objectives set to protect the Water Contact Recreation (REC-1) beneficial use, as set forth in the Basin Plan.<sup>3</sup>
- 2. Pilot Project/Retrofit BMPs
  The Department shall submit a plan no later than six months after the effective date of this Order to maintain and operate BMPs installed in the Los Angeles Region and and a plan shall provide justification for any pilot project BMP that has been decommissioned or is proposed to be decommissioned, including the reasons for not undertaking a retrofit of such BMPs to make them operable to provide a water quality benefit.

<sup>&</sup>lt;sup>1</sup> Santa Monica Bay encompasses the coastal waters from Point Dume to Point Fermin and seaward to the 500-meter depth contour. It includes all beaches from the Los Angeles/Ventura County line south to the Outer Cabrillo Beach located just south of the Palos Verdes Peninsula.

<sup>&</sup>lt;sup>2</sup> Responsibility for such prohibited discharges is determined as indicated in Footnote 3 part (4) of Table 7-4.1 and Footnote 2 part (3) of Table 7-5.1 of the Los Angeles Region Basin Plan.

<sup>&</sup>lt;sup>3</sup> Samples collected for determining compliance with the receiving water limitations of Part 3.2 shall be processed in accordance with the sampling procedures and analytical methodology set forth in the Santa Monica Bay Beaches Bacterial TMDLs Coordinated Shoreline Monitoring Plan dated April 7, 2004 and the Marina del Rey Harbor Mothers' Beach and Back Basins Bacterial TMDL Coordinated Shoreline Monitoring Plan dated April 13, 2007.

# Attachment IV TMDL Requirements

Attachment IVa identifies TMDLs adopted by the Regional Water Boards and approved by USEPA for which the Department has been assigned a Waste Load Allocation (WLA), where roads have been assigned a WLA or Load Allocation (LA), or which identifies the Department as a responsible party in the implementation plan. Attachment IVb identifies the TMDLs established by USEPA. These TMDLs are established without implementation plans or compliance schedules. This summary is compiled for the convenience of the Department only¹. The Department is obligated to consult each TMDL to comply with all applicable allocations and other provisions, whether included in the table or not. Compliance with all TMDLs must be demonstrated to the satisfaction of the applicable Regional Water Board.

Column 1 identifies applicable Regional Water Board Basin Plan Amendments, orders and resolutions which contain the implementation requirements.

Column 2 contains a partial list of WLAs, LAs, deliverables and action items contained in the Basin Plan Amendments, orders and resolutions, and from required submittals by the Department to the Regional Water Boards that have previously been approved by the Executive Officers. WLAs are listed in Attachment 4 where the relevant TMDL assigns a specific numeric load to the Department.

Column 3 contains the associated due dates, compliance dates, and deadlines. All TMDL-related requirements with due dates, compliance dates, and deadlines prior to the effective date of this Order are enforceable through this Order as though the date or deadline is the same as the effective date of this Order. Dates beyond the term of this Order are included for reference, but will become enforceable through this Order in the event that this Order is administratively extended.

<sup>&</sup>lt;sup>1</sup> This Attachment IV contains new specific permit requirements derived from San Francisco Bay Regional Water Board TMDLs for San Francisco Bay PCBs, San Francisco Bay Mercury, Sonoma Creek Sediment, and Napa River Sediment. Unlike the remainder of Attachment IV, these requirements are directly enforceable through this Order.

# Attachment IVa – Regional Water Board Approved TMDLs

# R4 – Los Angeles Regional Water Board

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<u>2<del>0</del></u> 07- <u>0</u> 10	Other Trash Monitoring Implement Tras	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board
<u>20</u> 07- <u>0</u> 10	Other Trash Monitoring Implement Tras	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from
<u>20</u> 07- <u>0</u> 10	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Sy	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from
2 <del>0</del> 07- <u>0</u> 10	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Sy	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Beard Executive Officer.  Two years from receipt of Regional
<u>20</u> 07- <u>0</u> 10	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Sy	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Beard Executive Officer.  Two years from receipt of Regional Beard letter of
<u>20</u> 07- <u>0</u> 10	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Sy	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Beard Executive Officer.  Two years from receipt of Regional
	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Sy	g and Reporting h Monitoring Re	porting Plan	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Beard Executive Officer.  Two years from receipt of Regional Beard letter of
Malibu Creek Watershed	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Re P, recommend t stem installation	porting Plan rash baseline W or implementati	LA, and propose on of other trash	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Re P, recommend to stem installation  Deadline	porting Plan rash baseline W or implementati	Oli Oi Other Basi	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek Watershed Trash Effective Date: June	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Reporting P, recommend to stem installation  Deadline 7/7/2009	rash baseline War or implementati	gal/mi2/yr 66742136	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek Watershed Trash	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Re P, recommend to the stem installation    Deadline   7/7/2009   3/6/20127/7, 2013	rash baseline Was or implementati	gal/mi2/yr	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek Watershed Trash Effective Date: June 26 July 7, 2009	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Re P, recommend to the stem installation  Deadline 7/7/2009 3/6/20127/7/	rash baseline Was or implementation with the second	gal/mi2/vr 66742136 17095340	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek Watershed Trash Effective Date: June 26July 7, 2009 BPA: Attachment A,	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	p and Reporting h Monitoring Reporting P, recommend to the stem installation    Deadline   7/7/2009   3/6/20127/7, 2013   3/67/7/2013   4	rash baseline War or implementation with the second	gal/mi2/yr 66742136	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP
Malibu Creek Watershed Trash Effective Date: June 26 July 7, 2009	Other Trash Monitoring Implement Tras  Results of TMR Full Capture Symeasures.	g and Reporting h Monitoring Re P, recommend to the stem installation    Deadline   7/7/2009   3/6/20127/7, 2013	rash baseline War or implementation with the second	gal/mi2/vr 66742136 17095340	prioritization of reduction	July 28, 2009  January 28, 2011 and annually thereafter Six months from receipt of letter of approval from Regional Board Executive Officer.  Two years from receipt of Regional Board letter of approval for TMRP

Compliance Date

#### **Compliance Date TMDL** WLAs/Deliverables/Action Required **Due Date** 3/67/7/2017 0% 00 December 26. Final WLA is set at zero. 2009April 30, 2010 Other Six-months from Trash Monitoring and Reporting Plan (TMRP) receipt of letter of approval from Implement Trash Monitoring Reporting Plan Regional Board **Executive Officer** One year from receipt of Regional Board letter of approval for Submit results of TMRP, recommend trash baseline WLA, and propose TMRP and annually prioritization of Full Capture System installation or implementation of other trash thereafter reduction measures. Los Angeles River Trash None Specified N/A WLAs Effluent Limitations <u>Deadline</u> Effective Date: July %Baseline %Baseline (gals) (lbs) (gals) (lbs) 24September 23, 2008 Initial WLA 100% 59421 <u>66566</u> 100% 59421 66566 2008 BPA: Attachment A. 60% <u>35653</u> 39940 60% 35653 39940 Chapter 7-2 2009 50% 29711 33283 55% 32682 36611 September 30, 2008 2010 40% 23768 26626 50% 29711 33283 Resolution No. R4-September 30, 2009 2011 30% 2007-012 17826 19970 40% 23768 26626 September 30, 2010 2012 <u> 20%</u> 11884 13313 30% 17826 19970 September 30, 2011 2013 10% 5942 6657 20% 11884 13313 September 30, 2012 . 2014 <u>0%</u> 0 0 10% 5942 6657 September 30, 2013 <u>2015</u> 0% 0 0 3.3% 1961 2197 September 30, 2014 2016 0% 0 0 0% September 30, 2015 WLA September 30, 2016 Baseline WLA for the Department is 66,566 lbs. Wasteload Allocation (lbs) 39,939.6 33,283 22,626.4 19,969,8 13,313,2 6,656.6 Ð Final WLA is set at zero A. Waste Load Allocations: Caltrans shall comply with the interim and final effluent limitations set forth above.2 B. Compliance: (1) Caltrans may comply with the effluent limitations using any lawful means. Such compliance options are broadly classified as full capture, partial capture, or institutional controls, as described below, and any combination of these may be employed to achieve compliance: (a) Full Capture Systems: The Los Angeles Region's Basin Plan authorizes the Executive Officer to certify full capture systems, which are systems that meet the operating and performance requirements as

	WLAs/Deliverables	Action Required	Compliance Date Due Date
TMDL	W LAS, DON TO LABOR.	described in this Order, and the	
and a second sec		procedures identified in "Procedures	·
· · · · · ·		and Requirements for Certification of	A gipton and vide
ten persona		a Best Management Practice for Trash Control as a Full Capture	The state of the s
		Trash Control as a Full Capture System." (See attached.)3	
		Caltrans is authorized to comply with	
	<u>2)</u>	its effluent limitations through	An electron, on
		certified full capture systems	
		provided the requirements of	
		paragraph 3), immediately below.	
		and any conditions in the	
The contract of the contract o		certification, continue to be met.	We remain the second se
	<u>3)</u>	Caltrans may comply with its effluent	
		limitations through progressive	
		installation of full capture systems	
		throughout its areas until all areas draining to the Los Angeles River	
		system are addressed. For purposes	*
•		of this Permit, attainment of the	
· · · · · · · · · · · · · · · · · · ·		effluent limitations shall be	
		conclusively presumed for any	
		drainage area to the Los Angeles	
		River (or its tributaries)4 where	
		certified full capture systems treat all drainage from the area, provided	
		that the full capture systems are	
		adequately sized and maintained.	A All personner
		and that maintenance records are	
-		up-to-date and available for	
		inspection by the Regional Board.	TA Production
		i. A Permittee relying entirely	de d
		on full capture systems shall be deemed in	
		compliance with its final	
		effluent limitation if it	
• .	voice Anthr	demonstrates that all	· ·
	· ·	drainage areas under its	
	The second secon	iurisdiction are serviced by	and an a
	· · · · · · · · · · · · · · · · · · ·	appropriate certified full capture systems as	We want to
•	section of the sectio	<u>capture systems as</u> described in paragraph	***
		(a)(3)	
		ii. A Permittee relying entirely	
		on full capture systems	. Av Annuar
	Annual Control of the	shall be deemed in	The second secon
		compliance with its interim	
	· ·	effluent limitations:  1. By demonstrating	C C C C C C C C C C C C C C C C C C C
		that full capture	. : 6
		systems treat the	
		percentage of	e acceptance as a
· · · · · · · · · · · · · · · · · · ·		drainage areas in	· · · · · · · · · · · · · · · · · · ·
		the watershed that	Ī
	The state of the s	corresponds to the	<b>5</b>
	- Annual Control	required trash abatement.	
		abatement. 2. Alternatively, a	* See a see
		Permittee may	
	. Processing	propose a	
		schedule for	
	A STATE OF THE STA	jurisdiction-wide	
		installation of full	1

targeting first the areas of greatest trash generation ( based upon the information on drainage area and litter generation rates by land use provided in Appendices I and III of the Los **Angeles River** Trash TMDL Staff Report) for the Executive Officer's approval. The Executive Officer shall not approve any such schedule that does not result in timely compliance with the final effluent limitations. A Permittee shall be deemed in compliance with its interim effluent limitations provided it is fully in compliance with any such approved schedule.

- (b) Partial Capture Devices and Institutional
  Controls: Caltrans may comply with its
  interim and final effluent limitations through
  the installation of partial capture devices and
  the application of institutional controls.<sup>5</sup>
  - 1) 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. 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.
  - 2) Except as provided in subdivision 3), 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. The DGR shall be determined from direct measurement of trash deposited in the drainage area during any thirty-day period between June 22<sup>nd</sup> and

### WLAs/Deliverables/Action Required

September 22<sup>nd</sup> exclusive of rain events<sup>8</sup>, and shall be re-calculated every year thereafter. The DGR shall be calculated as the total amount of trash collected during this period divided by 30 (the length of the collection period).

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

The DGR for the applicable area of the jurisdiction shall be extrapolated from that of the representative drainage area. A mass balance equation shall be used to estimate the amount of trash discharged during a storm event. The Storm Event Trash Discharge for a given rain event in a 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. For each day of a storm event that generates precipitation greater than 0.25 inches, Caltrans shall calculate a Storm Event Trash Discharge.

# Storm Event Trash Discharge = [(Days since last street sweeping\*DGR)] – [Amount of trash recovered from catch basins]<sup>12</sup>

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

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

- 3) 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 MS4.
- (C) Combined Compliance Approaches:

  Caltrans may comply with its interim and final effluent limitations through a combination of full capture systems, partial capture devices, and institutional controls. Permittees relying on a combination of approaches shall demonstrate compliance with the interim and final effluent limitations as specified in (a)(3)

in areas where full capture systems are installed and as specified in (b)(2) in areas where partial capture devices and institutional controls are applied.

- (2) A Permittee that is not in compliance with the applicable interim and/or final effluent limitation shall be in violation of this permit.
  - (a) A Permittee relying on partial capture devices and/or institutional controls that has violated its interim or final effluent limitation shall be presumed to have violated the applicable limitation for each day of each storm event that generated precipitation greater than 0.25 inches 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.
  - (b) For a Permittee relying on full capture systems who 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 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 Permittee may overcome this presumption by demonstrating (using any of the methods authorized in this Part B(1)(b)) that the actual or calculated discharge for that drainage area is in compliance with the applicable interim or final effluent limitation.
- Caltrans shall be held liable for violations of the Effluent Limitations assigned to its area. Any Permittee whose compliance strategy includes full or partial capture devices and who chooses to install a full or partial capture device in the MS4 physical infrastructure of another public entity 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.
- C. Monitoring and Reporting Requirements (pursuant to Water Code section 13383)
  - (1) On October 31, 2011 and every year thereafter, Caltrans shall submit a TMDL Compliance Report detailing compliance with the interim and final effluent limitations. Reporting shall include the information specified below.

### WLAs/Deliverables/Action Required

The report shall be submitted on a reporting form to be specified by the Executive Officer. The report shall be signed under penalty of perjury by the Director of Public Works or other agency head (or their delegee) that is responsible for ensuring compliance with this permit. Permittees shall be charged with and shall demonstrate compliance with their October 31, 20191 TMDL. Compliance Report.

- (a) Reporting Compliance based on Full Capture
  Systems: Caltrans shall provide information
  on the number and location of full capture
  installations, the sizing of each full capture
  installation, the drainage areas addressed by
  these installations, and compliance with the
  applicable interim or final effluent limitation, in
  its TMDL Compliance Report. The Regional
  Board will periodically audit sizing,
  performance, and other data to validate that a
  system satisfies the criteria established for a
  full capture system and any conditions
  established by the Executive Officer in the
  certification.
- (b) Reporting Compliance based on Partial
  Capture Systems and/or Institutional Controls:
- (1) Using Performance Data Specific to the

  Jurisdictional Area: Caltrans shall provide (i)

  site-specific performance data for the
  applicable device(s), (ii) information on the
  number and location of such installations,
  and the drainage areas addressed by these
  installations, and (iii) calculated compliance
  with the applicable effluent limitations, in
  their TMDL Compliance Report.
- Discharge: Caltrans shall provide an accounting of DGR and trash removal via street sweeping, catch basin clean outs, etc., in a database to facilitate the calculation of discharge for each rain event. The database shall be maintained and provided to the Regional Board for inspection upon request. Caltrans shall provide the annual DGR, calculated storm year discharge, and compliance with the applicable effluent limitation, in its TMDL Compliance Report.
- Compliance Approaches:
  Caltrans shall provide the information
  specified in subsection (a) for areas where full
  capture systems are installed and that
  specified in subsection (b)(1) or (b)(2), as
  appropriate, for areas where partial capture
  devices and institutional controls are applied.
  Caltrans shall also provide information on
  compliance with the applicable effluent
  limitation based on the combined compliance
  approaches, in its TMDL Compliance Report

(2) Violation of the reporting requirements of this Part shall be punishable pursuant to inter alia Water Code subdivision (a)(1) of section 13385.1 and/or subdivision (a)(3) of section 13385.

TMDL	20.00	WLAs/Del	iverables/Ac	tion Required	Compliance Date
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria	During the dry	jointly with mult weather periods below for all m	tiple dischargers Caltrans is joir	Hy responsible for achieving the	
Effective Date: April	Dry Weather V	a <del>Delow for all th</del>	ionitoring sites.	na Estuary and Sepulveda	April 27, 2017
<u>27March</u> <del>26</del> , 2007	Channel Time Period			<u>.                                      </u>	
BPA: Attachment A, Chapter 7-21		Creek Sepulv	stuary, Ballon Reach 2, and eda Channel *	Ballona Creek Reach 1**	
Resolution No. R4- 2006-011	Summer Dry Weather (April 1 to October 31)	based on the	eedance days e applicable Sinc teria Water Qua	No more than 10% of the Single Sample Bacteria Water Quality Objectives	***
		Zero (0) exce based on the	eedance days Rolling 30-Day lean Bacteria y Objectives	Zero (0) exceedance days based on the Rolling 30-Day Geometric Mean Bacteria Water Quality Objectives	
	Winter Dry Weather (November 1- March 31)	based on the	ceedance days applicable Sing eria Water Quali	Water Quality Objectives	
		Zero (0) exce based on the Geometric M Water Quality	Rolling 30-Day ean Bacteria	Zero (0) exceedance days based on the Rolling 30- Day Geometric Mean Bacteria Water Quality Objectives	
A PARTIE AND A PAR	and for Sepulved  **Exceedance free numeric targets	la Channel, bas equency for Ball	2 based on LH ed on fresh wate ona Creek Reac	REC-1 marine water numeric EC-1 freshwater numeric targets; or REC-1 numeric targets th 1 based on freshwater REC-2 ired Reaches of Ballona Creek	April 27, 2017
The Property of the Control of the C	Tributary	Point of Application	Water Quality	Waste Load Allocation	The state of the s
The form of the control of the contr	Ballona Creek Reach 1	At confluence with Reach 2	Objectives LREC-1 Freshwater	(No. exceedance days) For single sample objectives: (0) summer dry weather, (3) winter dry weather	
en e				For geometric mean objectives: (0) for both periods	
The second distance of the second sec	Benedict Canyon Channel	At confluence with Reach 2	LREC-1 Freshwater	For single sample objectives: (0) summer dry weather, (3) winter dry weather	
The same region of the same regi				For geometric mean objectives: (0) for both periods	1
The second of th	<u>Creek</u>	At confluence with Ballona Estuary	REC-1 Marine water	For single sample objectives: (0) summer dry weather, (3) winter dry weather	

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
	Centinela Creek  At confluence with Ballona Estuary  Estuary  Entre Progeometric mean objectives: (0) for both periods  For single sample objectives: (0) summer dry weather. (3) winter dry weather  For geometric mean objectives: (0) for both periods	
	Caltrans is jointly responsible for achieving the wet weather WLAs identified in below for all monitoring sites.	April 27, 2017 or, if an integrated water resources approach is used, July 15, 2021
	Wet Weather Weather WLAs for Ballona Creek, Ballona Estuary and  Sepulveda Channel  Time Period Ballona Estuary, Ballona Creek Reach 2, and Sepulveda Channel *	
	Wet- Weather (days with  ≥0.1 inch of rain + 3 days following the    Septiveda Chartics     17*** exceedance days based on the applicable Single     Sample Bacteria Water Quality     Single Sample Bacteria     Water Quality Objectives     Zero (0) exceedance days     based on the Rolling 30-   Day Geometric Mean	Control of
	rain event)  Geometric Mean Bacteria Water Quality Objectives  Bacteria Water Quality Objectives  Day Section Bacteria Water Quality Objectives	
	targets; for Ballona Creek Reach 2 based on Erics 7 in Indian First Programmer targets and for Sepulveda Channel, based on fresh water REC-1 numeric targets  **Exceedance frequency for Ballona Creek Reach 1 based on freshwater REC-2  numeric targets  *** In Reach 2, the greater of the allowable exceedance days under the reference system approach or high flow suspension shall apply.	April 27, 2017 or, if an integrated water resources approach is used, July 15, 2021
a. La constantina de	Wet-weather WLAs for tributaries to the Impaired Reaches of Ballona Creek Watershed Point of Water Wet-weather Waste Load	The second secon
	Tributary Application Quality Objectives (No. exceedance days)	
AND THE RESIDENCE OF THE PARTY	Ballona	
	objectives: (0) for wet weather  The About the properties of the p	
	Benedict Canyon Channel  At confluence with Reach 2  Freshwater  For geometric mean objectives: (0) for wet weather	
	(U) for wel wearrer	

REC-1 Marine water

At confluence with Ballona Estuary

Ballona Creek Reach 2

TMDL		WLA	s/Deli	verables	Actic	on Requ	ired			Compliance Date Due Date
	IPT A. on coverage and					objectives (0) for we				XX 2
	Centin Creek			REC-1 Marine w		or single	sample o	bjectives	:	
	None to consider the first of the constant of	Estuan			<u>F</u>	or geome	etric mear			
	* A+ tho				7	bjectives: 0) for wel	weather			·
	under the	confluence with e reference sys	tem appr	the great roach or hi	er of the	e allowabl suspensio	le exceed on shall a	ance day pply.	<u>'S</u>	March 26 <u>April 27,</u> 2007
	Other Compreh Ballona V	nensive Bacteria Wetlands, and E	Water ( Sallona C	Quality Mo Treek Wate	nitoring ershed.	Plan <u>for (</u>	Del Rey L	<del>agoon,</del>		March October 26, 2008
•.		elementation Pla								September 26, 2009
	<u>Submit</u> F	ina! Implementa	ation Pla	n outlining	approa	ch for con	npliance v	with WLA	<b>s.</b>	Three months after receipt of Regional Board comments on Draft Implementation Plan.
Marina del Rey, Harbor Back Basins, Mother's' Beach	<i>WLA</i> Final Allo	owable Exceed	ance Da	ys by Sar	npling	Location				riali.
Bacteria	Comp	liance Deadline	3 yea	rs after live date		ars after	10 yea	rs after	1	
Effective Date: March 18, 2004			Sum We	mer Dry ather ^	Win	tive date ter Dry ather ^*		ve date eather ^*		March 18, 2007 – Summer Dry Weather
BPA: Attachment A, Chapter 7-5	Station	Location Name		October 31	<u>Ma</u>	mber 1 - rch 31	Octob	ber 1 - ber 31		March 18, 2010 – Winter Dry Weather
Resolution No.	ID		<u>(No.</u>	Weekly sampling (No.	<u>Daily</u> samplir g (No.	g (No.	<u>Daily</u> sampling (No.	Weekly sampling (No.	A TOTAL OF THE A STATE OF THE A STAT	March 18, 2014 – Wet WeatherNone
<del>2003<u>R</u>03</del> -012	(S9)	Mothers' Beach, at Lifequard	<u>days)</u> <u>0</u>	<u>days)</u> 0	<u>days)</u> <u>3</u>	<u>days)</u> <u>1</u>	<u>days)</u> 17	days) 3	min 1 Manuse variable	Specified
**************************************	<u>DHS</u> (109 <u>a)</u>	Tower  Mothers' Beach, at Playground Area	0	<u>0</u>	3	1	<u>17</u>	<u>3</u>	The state of the s	March 30, 2005 <u>July</u> 16, 2004
	<u>DHS</u> (109b)	Mothers' Beach, between Lifeguard Tower and Boat	Ō	Ō	3	1	<u>17</u>	<u>3</u>	A Prediction of August As	July <u>March</u> 30 , 2005 March 18 <u>July 30,</u> 2005, 2007
The second secon	DHS (109c)	Dock Los Angeles County Fire Dock - end of main channel	<u>0</u>	<u>0</u>	3	4	<u>17</u>	<u>3</u>	Andrew W. Westmann v. Vandrale (j. vapor a mandroughpa, diev	
	DHB (MDR- 8)	Mothers' Beach, near irst slips outside swim area	<u>0</u>	0	<u>3</u>	1	<u>17</u>	<u>3</u>	and the second of the second o	· · · · · · · · · · · · · · · · · · ·
THE COLUMN THE PARTY OF THE PAR	DHB M (MDR- E 18) r	Mothers' Beach, 20 neters off of he wheel chair	<u>0</u>	0	<u>0</u>	<u>0</u>	<u>15</u>	3	With deep content park memory constigated becoming to	
4 Paradore considered	DHB N	amp Mothers' Beach, end of	0	<u>0</u>	3	1	<u>17</u>	3		Winnerson services (

### WLAs/Deliverables/Action Required

″	W2/Deliae	abicon				
19) wheel chair ramp					<u> </u>	
DHB Basin F. (MDR- innermost er	<u>0</u>	<u>0</u>	<u>3</u>	1	8	
DHB End of Main (MDR- Channel	<u>0</u>	<u>0</u>	<u>3</u>	<u>1</u>	<u>17</u>	<u>3</u>
11)  DHB Basin E, nea (MDR-center of base)		<u>0</u>	<u>3</u>	1	<u>17</u>	<u>3</u>
DHB Basin E, in f (MDR- 20) Basin E Sin E of Tidegate from Oxford Basin	· [	<u>0</u>	<u>3</u>	4	<u>17</u>	<u>3</u>

WLA is held jointly with multiple dischargers.

#### Other

Coordinated Monitoring Plan

Draft Implementation Plan outlining approach for compliance with WLAs.

Final Implementation Plan outlining approach for compliance with WLAs.

Nonpoint Study for sources including storm drains, beats, birds, and other nonpoint sources.

#### Santa Monica Bay Beaches during Dry Weather

Bacteria

Effective Date: June 19July 15, 2003

BPA: Attachment A, Chapter 7-4

Resolution No. 2002R02-004 and R02-022

### WLA

WLA is held jointly with multiple dischargers.

<u>Caltrans</u> is responsible for achieving the WLAs identified below for all shoreline monitoring sites with the exception of those subject to Antidegradation Provisions.

Dry Weather WLAs expressed as the Allowable Number of Exceedance Days

Summer L	ory Weather	Winter D November	ry Weather 1 - March 31
	October 31  Weekly sampling (No.	98, 50 50 4 50 10 10 10 10 10 10 10 10 10 10 10 10 10	Weekly sampling
Daily sampling (No. days)	days)	(No. days)	(No. days)
0	<u> </u>	3	luhy 1

During the winter dry weather period. Caltrans is responsible for achieving the WLAs identified below for shoreline monitoring sites subject to antidegradation provisions.

Winter Dry Weather WLAs expressed as the Allowable Number of Exceedance Days for Shoreline Monitoring Sites subject to Antidegradation Provisions

<u>-</u>		Wint No	CONTRACTOR AND A CONTRA	
Station ID	Location Name	<u>Daily</u> sampling (No. days)	Weekly sampling days)	No.
SMB 1-4	Trancas Beach	0	<u>0</u>	-
SMB 1-4 SMB 1-5	Westward Beach	0	0	
SMB 2-13	Imperial Highway Storm Drain	2	1	
SMB 3-8	Windward Ave Storm Drain	2	1	
SMB 4-1	Nicholas Beach	0	<u>0</u>	

Compliance Date Due Date

None Specified

October 19November 12, 2003

October 19<u>November</u> 12, 2003

<u>)</u>

<u>July 15, 2006 –</u> <u>Summer Dry Weather</u>

November 1, 2009 – Winter Dry Weather

### **TMDL**

### WLAs/Deliverables/Action Required

# Compliance Date Due Date

Km=			ronon negane	· u	L
	SMB 5-1	40th Street, Manhattan State Beach	A STATE OF THE PROPERTY OF THE	4	
	SMB 5-2	28th Street Storm Drain	0	<u>.</u>	
	SMB 5-3	Manhattan Beach Pier	1	1	
	SMB 5-5	Hermosa Beach Pier	2	1	
	SMB 6-6	Malaga Cove	1	1	

<u>Caltrans is responsible for achieving the rolling 30-day geometric mean objectives, which shall not be exceeded at any time.</u>

Caltrans is responsible for achieving the wet weather WLAs identified below for all shoreline monitoring sites, with the exception of those subject to Antidegradation Provisions.

Final Wet Weather WLAs expressed as the Allowable Number of Exceedance Days

<u>Wet W</u>	<del>leather</del>
<u>Daily sampling</u> (No. days)	Weekly sampling (No.
17	<u>days)</u> 3

<u>Caltrans is responsible for achieving the wet weather WLAs identified below for shoreline monitoring sites subject to antidegradation provisions.</u>

Final Wet Weather WLAs expressed as the Allowable Number of Exceedance

Station ID	Location Name	Daily sampling (No. days)	Weekly sampling (No. days)
<u>DHS 010a</u>	Broad Beach	<u>15</u>	3
SMB 3-8	Windward Ave Storm Drain	13	2
SMB 4-1	Nicholas Beach	14	2
SMB 5-1	40th Street, Manhattan State Beach	4	1
SMB 5-3	Manhattan Beach Pier	5	1
SMB 5-4	26th Street, Hermosa Beach	12	2
SMB 5-5	Hermosa Beach Pier	8	2
SMB 6-2	Redondo Municipal Pier	14	2
<u>SMB 6-5</u>	Avenue I Storm Drain, Redondo State Beach	<u>6</u>	1
SMB 6-6	Malaga Cove	3	1

Caltrans is responsible for achieving the rolling 30-day geometric mean targets, which shall not be exceeded at any time.

#### Other

Coordinated Shoreline Monitoring Plan

Report of Water Discharges for the listed potential discharges and potential discharges into Area of Special Biological Significance.

#### Santa Monica Bay Beaches during Wet Weather Bacteria

Effective Date:
June 19July 15,

#### <del>WLA</del>

WI A is held jointly with multiple dischargers.

#### Other

Coordinated Menitoring Plan

Up to July 15, 2021 if

used; otherwise up to July 15, 2013 - Wet

Weather

an integrated water resources approach is

None Specified

November 12, 2003

	WLAs/Deliverables/Action Required	Compliance Date Due Date
TMDL	VVLAS/Deliverations opposed for compliance with WLAS.	February 19, 2005
<del>2003</del>	Draft Implementation Plan outlining approach for compliance with WLAs.	•
A: Attachment A to	Final Implementation Plan outlining approach for compliance with WLAs.	June 19, 2005
solution No. 2002	Final Implementation Figure 6000000 g spp.	
2, Chapter 7-4-4, 7-		980900 A P. S.
<del>, 7-4.6,</del> 4 <del>.7.</del>		e vere vermen
<del>1.7 .</del>		
solution No.		
02R02-002022,		
06-005, <del>2006-006,</del>		
06-007, 2006-008		
libu Creek and	Wasteload Allocation WLA	None Specified
goon	WLA is held jointly with multiple dischargers.	110110 000
cteria		
	Dry Weather WLAs expressed as the Allowable Number of Exceedance Days	
ective Date:	Summer Dry Weather Winter Dry Weather  November 1 - March 31	April 1, 2009 –
January 10 <u>24,</u> 2006	TOTAL CONTROL OF CONTR	Simmer Dry Weather
	Daily sampling Weekly sampling Daily sampling (No. days)	
A: Attachment A,	(No. days) (No. days) (No. days)	January 24, 2012 -
Chapter 7-10	0 0 3	Winter Dry Weather
nolution No		and the second s
esolution No. 04R04-019R	I Total dans Dava	
<del>∪4<u>⊓∪4</u>-</del> ∪1311	Wet Weather WLAs expressed as the Allowable Number of Exceedance Days	
	Wet Weather	January 24, 2016 -
· ·	we weather	Wet Weather
	Daily sampling Weekly sampling (No.	
	(No. days) days)	May 10, 2006
	17 3	
·		
	Caltrans is responsible for achieving the rolling 30-day geometric mean targets.	January 10, 2007
	which shall not be exceeded at any time.	
	WHICH STAN	Account of the Control of the Contro
	None specified	January 10, 2008
	HAGHO OPCOMOG	January 10, 2000
	Other Wallbu	
	Out with a Comprehensive hacteria water quality monitoring plan for the wante	
	Creek Watershed to the Executive Officer of the Regional Board.	
	Written Report to outline how the Department intends to cooperatively achieve	A Contraction of the Contraction
	Written Report to cultifie flow the Department into the weather compliance compliance with TMDL, and steps to 3-year summer dry weather compliance schedule with a detailed timeline for all categories of bacteria sources.	Videona AVV
	schedule with a detailed wither or an earegones of busing source	*and and and and and and and and and and
.1	Reference Watershed Study	
larbor Beaches of	WLA Interim WLAs for Single Sample and 30-day rolling geometric mean	2 000
entura County	Exceedances:	***
Kiddie Beach and	EXCeedances.	***************************************
lobie Beach)	Summer Dry-Weather	Describer 10
Bacteria	Location Daily Sampling Weekly Sampling	December 18.
Effective Date:	Kiddie Beach 54 8	2008On-going
December 18, 2008	Hobie Beach 40 6	
December 10, 2000		
3PA: Attachment A		
Chapter 7-28	Winter Dry-Weather	
2. mp	Location Daily Sampling Weekly Sampling	Epit Octobra
Resolution No.	Kiddie Beach 23 4	December 18,
R2007-017	Hobie Beach 25 4	2008On-going
	Wet-Weather Location Daily Sampling Weekly Sampling	
	Landing Light Satisfied World Controlled	

		We promote the control of the contro
TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
	Kiddie Beach 32 5	
no e e e e e e e e e e e e e e e e e e e	Hobie Beach 38 6	A A A A A A A A A A A A A A A A A A A
		RA AMBRA
		Documber 10
	30-day Rolling Geometric Mean Exceedances (Summer):	December 18,
·	Location Daily Sampling Weekly Sampling	2008On-going
	Kiddie Beach 55 8	
	Hobie Beach 80 12	aran na n
	,2	1847 LLA
	30-day Rolling Geometric Mean Exceedances (Winter):	***
	Location Daily Sampling Weekly Sampling	Day Cat
•	Kiddie Beach 92 14	December 18,
•	Hobie Beach 91 13	2008On-going
•	10	
·	Final Allowable Exceedance Days:	
	- Library - Libr	
	Summer-dry Winter-dry	
	147	
•	D-1	**************************************
	Location Committee Committ	
	Sampling Sampling	December 18, 2008
•	Kiddio Pocch 0 100. days) (No. days)	) [
	Hobio Donah	**************************************
	Toble Beach 0 0 3 1	
. " "	Wet-Weather	**
	Daily Weekiy	
•	Location Sampling Sampling	
	(No. days) (No. days)	
	Kiddie Beach 17 3	
	Hobie Beach 17 3	
•	,	
	The WLA for the rolling 30-day geometric mean during any time period or	Five years after
	monitoring site is zero (0) days of allowable exceedances.	effective date of
	· · · · · · · · · · · · · · · · · · ·	TMDLDecember 18, 2013
		2013
	Other State of the Control of the Co	
	Submit Monitoring Plan for approval by Executive Officer.	
	, , , , , , , , , , , , , , , , , , , ,	
·		
• · · · · · · · · · · · · · · · · · · ·		
	Submit Draft Dry-Weather Workplan to implement source control BMPs	
	· ·	•
	Submit Workplan piloting structural BMPs (optional)	Ten years after
		effective date of TMDL
•	Final Dry—Weather Workplan to implement source control and BMPs	December 18, 2018
	Colomia Firm 11st 11st age age	
	Submit Final Wet-Weather Workplan: to implement source control and BMPs.	
:	Cultural Consultance Based of the	
	Submit Compliance Report for dry-weather, interim wet-weather allocations, and	:
·	rolling 30-day geometric mean targets	
		December 18, 2013
	Submit Final Compliance Report	
	Sastiat Final Compilance Report	
	Final WLAs Compliance	· · · · · · · · · · · · · · · · · · ·
:		
		Prior to the
,		modification of existing
!		monitoring locations or
		frequencies.
;		

		WLAs/Del	livoroblos	/Action E	equired			Due Date
TMDL		WLAS/Dei	IVEIADIES	MOUVE L				une 18, 20 <del>09</del> 10
AND THE RESERVE OF THE PROPERTY OF THE PROPERT					1. 1. 1.	•	2	e e e e e e e e e e e e e e e e e e e
							Ą	l <del>une 18, 2010</del>
		•				-	:	lune 18, 2012
	•							Julie 10, 2012
								December 18, 2012
					•			December 18, 2014
		•					1 1	and December 18,
	• .							2016
	·							- 1 40 0010
								December 18, 2018
								December 18, 2018
Ballona Creek	WLA			•		*		None Specified
Metals	Dry-weather ste	rm water W	LAs (grams	total recove	rable metal	s/day):		01/11/2012 - 50% area
Effective Date:	b, y would be	Ballona Cree	<u>ek Sep</u>	<u>uiveca</u>				meeting dry-weather WLAs
December 22, 2005	Copper -	11.2		5.1 2.7				
and reaffirmed on	Lead - Selenium -	6.0 2.0		1		-	2	01/11/2014 - 75% area
October 29, 2008	Zinc -	143.1		64.7	•			meeting dry-weather WLAs
BPA: Attachment A,				•				01/11/2016 - 100%
Chapter 7-12-and								area meeting dry-
Attachment B.								weather WLAs
Resolution No. R05-	Wet-weather sto	orm water V	VLA <u>s</u> (total i	recoverable	metals) for a	all reaches	and	None Specified
007 and	tributariae (grame	e/dav):						01/11/2012 - 25% area
Resolution No. R2007-	Copper - 2.37E Lead - 7.78E	07 x Daily 07 x Daily	/ storm wate	r volume (L)				meeting wet-weather
015	Selenium - 6 59F	08 x Daily	storm wate	r volume (L)				WLAs 01/11/2016 - 50% area
N. P. S.	Zinc - 1.57E	-06 x Daily	storm wate	r volume (L)				meeting wet-weather
4 4 7	Other			+ 1				WLAs
	Other Coordinated Mor	nitoring Plan	ı, including t	ooth ambient	and TMDL	effectivene	es .	01/11/2021 - 100% area meeting wet-
	monitoring.					•	-	weather WLAs
	Draft Report out	lining approx	ach for come	diance with	WLA			
	. 70						- W	January 11, 2007
	Final Report out	lining approa	ach for comp	oliance with	WLA.		2	<del>January 11, 2001</del>
		ŧ						
9					4		* Western statement	January 11, 2010
	nde operation							July 11, 2010
	Toronto and American					*		
		· · · · · · · · · · · · · · · · · · ·						
Calleguas Creek and Its Tributaries and	WLA The Departmen	t and other r	esponsible i	jurisdictions	are jointly a	ssigned WI	_As.	None-Specified
Mugu Lagoon	Interim WLAs fo	or mercury in	sediment a	<del>re mass-bas</del>	s <del>ed.</del>			
Metals and Selenium						nner Nicke	iand:	
Essativa Data, March	Interim Limi	ts and Fina	WLAS for	iotal Reco	vei able CUI	JACI, INCAC		
Effective Date: March 267, 2007	Selenium							ngala e veccour
New York Control of the Control of t	A. Interim	Limits			· <u> </u>	law Class		June <u>March</u> 267, 2007
BPA: Attachment A,		Callegu	as and Cone			voion Slou	gn Wet CMC	·
Chapter 7-19	Constituents	Dry CMC	Dry CCC	Wet CMC	Dry CMC	Dry CCC	(ug/L)	
Resolution No.		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	204	
R4-2006-012	Copper*	23	19	204	23	19 13	(a)	
And a state of the	Nickel	15	13	(a)	15 14	13	(a) (a)	
	Selenium	(b)	(b)	(b)	1	10	(\\	

Compliance Date

### **TMDL**

### WLAs/Deliverables/Action Required

- Compliance Date
  Due Date
- (a) The current loads do not exceed the TMDL under wet conditions; interim limits are not required.
- (b) Selenium allocations have not been developed for this reach as it is not on the 303(d) list.
- (c) Attainment of interim limits will be evaluated in consideration of background loading data, if available.

### B. Final WLAs for Total Recoverable Copper, Nickel, and Selenium

### Dry-Weather WLAs in Water Column

Flow Calle		as and Conejo Creek		Revolon Slough		
Range	Low Flow	Average Flow	Elevated Flow	Low Flow	Average Flow	Elevated Flow
Copper1 (lbs/day)	0.04*WER 0.02	0.12*WER 0.02	0.18*WER 0.03	0.03*WER - 0.01	0.06*WER - 0.03	0.13*WER 0.02
Nickel (lbs/day)	0.100	0.120	0.440	0.050	0.069	0.116
Selenium (lbs/day)	(a)	(a)	(a)	0.004	0.003	0.004

If site-specific WERs are approved by the Regional Board, TMDL waste load allocations shall be implemented in accordance with the approved WERs using the equations set forth above. Regardless of the final WERs, total copper loading shall not exceed current loading.

(a) Selenium allocations have not been developed for this reach as it is not on the 303(d) list.

### Wet-Weather WLAs in Water Column

Constituent	Calleguas Creek	Revolon Slough
Copper <sup>1</sup> (Ibs/day)	(0.00054*Q^2*0.032*Q - 0.17)*WER - 0.06	(0.0002*Q2+0.0005*Q)*WER
Nickel <sup>2</sup>		0.027*Q^2+0.47*Q
Selenium² (lbs/day)		0.027*Q^2+0.47*Q

If site-specific WERs are approved by the Regional Board, TMDL waste load allocations shall be implemented in accordance with the approved WERs using the equations set forth above. Regardless of the final WERs, total copper loading shall not exceed current loading.

Current loads do not exceed loading capacity during wet weather. Sum of all loads cannot exceed loads presented in the table

(a) Selenium allocations have not been developed for this reach as it is not on the 303(d) list. Q: Daily storm volume.

## Interim Limits and Final WLAs for Mercury in Suspended Sediment

Final WLAs are set at 80% reduction of HSPF load estimates. Interim limits for mercury in suspended sediment are set equal to the highest annual load within each flow category, based on HSPF output for the years 1993-2003.

	Callegu	as Creek	Revolon Slough	
Flow Range	Interim (lbs/yr)	Final (lbs/yr)	Interim (lbs/yr)	Final (lbs/yr)
0-15,000 MGY	3.3	0.4	1.7	0.1
15,000-25,000 MGY	10.5	1.6	4	0.7
Above 25,000 MGY	64.6	9.3	10.2	1.8

March 267, 2012 – 25% reduction in difference between current loads and final WLA

March 267, 2017 – 50% reduction in difference between current loads and final WLA

March 267, 2022 – Achieve final WLAs

· · · · · · · · · · · · · · · · · · ·		Compliance Date
TMDL	WLAs/Deliverables/Action Required	Due Date
	MGY: million gallons per year.	March 267, 2007 – Interim Limits for
	Other Submit Calleguas Creek Watershed Metals and Selenium Menitoring Program	Mercury in Suspended Sediment
- 1	Implement Calleguas Creek Watershed Metals and Selenium Monitoring Program	March 267, 2022 -
· :		Final WLAs for Mercury in Suspended Sediment
: :	Conduct a source control study, develop and submit an Urban Water Quality Management Program (UWQMP) for copper, mercury, nickel, and selenium.	<u> </u>
	Implement UWQMP	A promonoporous A. · · · · · · · · · · · · · · · · · ·
	Evaluate the results of the OCs TMDL, Special Study for calculation of sediment	
	transport rates.	
	Evaluate results of the OC pesticides TMDL, Special Study – Calculation of sediment transport rates in the Calleguas Creek Watershed for applicability to the metals and selenium TMDL.	
	Include monitoring for copper, mercury, nickel, and selenium in the OC pesticides TMDL, Special Study – Monitoring of sediment by source and land use type	Within three months of Executive Officer approval of the
	Evaluate the results of the OC Pesticides TMDL, Special Study – Effects of BMPs on Sediment and Siltation to determine the impacts on metals and selenium	monitoring program. <u>April 30, 2009</u>
	Submit results of Special Study #2: Identification of Selenium Contaminated Groundwater Sources	
	Workplan ferSubmit results of Special Study #3: Investigation of Metals' "Hot	March 267, 2009
	Spot" and Natural Soil.	Within one year of approval of UWQMP
	Evaluate the effectiveness of BMPs implemented under the UWQMP	by the Executive Officer-
	Evaluate the results of implementation actions Special Studies #2 and #3 and implement actions identified by studies.	Within six months of ccompletion of Study
		And an analysis of the second
		March 267, 2009
		Within six months of completion of study
		Within one year of approval of Workplan by Executive Officer
		Within two years of approval of Workplan by Executive Officer

	TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
	**************************************		and pare nate
:	•		March 267, 2013
			Within one year of the completion of sStudies Within two years of
The state of the s			approval of Workplan by Executive Officer.
			March 26, 2013
And Million or no over the Anna Anna			Within one year of the completion of Studies
ST. MARKET M. AMARKA	Los Angeles River Metals	WLA	
	Effective Date:	Dry-weather WLAs - total recoverable metals (kg/day):	
	December 22, 2005	<u>Cu</u> <u>Pb</u> <u>Zn</u> LA River Reach 6 0.53 0.33	None Specified
COLUMN COMMONS	and October 29, 2008	LA River Reach 5 0.05 0.03 LA River Reach 4 0.32 0.12	01/11/2012 - 50% area meeting dry-weather WLAs
THE PERSON	BPA: Attachment A, Chapter 7-13-and	LA River Reach 3 0.06 0.03	01/11/2020 - 75% area
Heliff	Attachment B.	LA River Reach 1 0.14 0.07	meeting dry-weather WLAs
New York	Resolution Nos.	Bell Creek 0.06 0.04	01/11/2024 - 100%
	R10-003, R05-006,	Tujunga Wash 0.001 0.0002  Burbank Channel 0.15 0.07	area meeting dry-
and the second	<del>and-R20</del> 07-014	Verdugo Wash 0.18 0.10	weather WLAs
11		Arroyo Seco 0.01 0.01 Rio Hondo Reach 1 0.01 0.006 0.16	
A COLUMN TO A COLU		Compton Creek 0.04 0.02	
II	-	Wet-weather WLAs - total recoverable metals (kg/day):	
and the state of t		Cadmium - WER x $5.3 \times 10^{-11}$ x daily volume (L) $-0.03$ Copper - WER x $2.9 \times 10^{-10}$ x daily volume (L) $-0.2$	
Andrew of the Antrews	To any other state of the state	Lead - WER x 1.06 x 10 <sup>-9</sup> x daily volume (L) - 0.27  Zinc - WER x 1.2 x 10-9 x daily volume (L) - 1.6	01/11/2012 - 25% area
To the second	The PATA Annual Control of the Pata Annual Contr		meeting wet-weather WLAs
Total and Table	· · · · · · · · · · · · · · · · · · ·	Note: Water effects ratio (WER(s)) have a default value of 1.0 unless site-specific WER(s) are approved by the Regional Board.	01/11/2024 - 50% area meeting wet-weather
The state of the s		Other	<u>WLAs</u>
THE REAL PROPERTY.		Coordinated Menitoring Plan	01/11/2028 - 100% area meeting wet-
Constitution of Adjustment of	1	Draft Report outlining approach for compliance with WLAs that includes implementation methods, implementation schedules, proposed milestones, and any revisions to the TMDL effectiveness.	weather WLAs
W.Winson mornel, Lynnau	· · · · · · · · · · · · · · · · · · ·	Final Report outlining WLAs compliance.	<del>April 11, 2007</del>
diamenta and and and and and and and and and an	harmore Angelegiston		January 11, 2010
Administration and party and	- The state of the		A CONTRACTOR OF THE CONTRACTOR
	The second secon		<del>July 11, 2010</del>
		WLA	
	stuary	Metals WLAs for sediment in storm water (kg/yr)	None-Specified
	A PARAMANA AND A PARA	Cadmium - 0.11 Copper - 3.2	01/11/2013 - 25% area
	ffective Date:	Lead - 4.4	meeting WLAs
		Silver - 0.09	01/11/2015 - 50% area

•	and the control of th	
	WLAs/Deliverables/Action Required	Compliance Date Due Date
TMDL		meeting WLAs
2005 January 11, 2006	Zinc - 14	-
BPA: Attachment A, Chapter 7-14	Organics WLAs for sediment in storm water (g/yr) Chlordane - 0.05	01/11/2017 - 75% area meeting WLAs
Resolution No.	DDTs - 0.15 Total PCBs - 2 Total PAHs - 400	01/11/2021 - 100% area meeting WLAs
R4-2005-008	TOTAL TABLE	
		None Specified
entered and the property of the second secon	Other Submit Coordinated Monitoring Plan	
formation of the state of the s	<u>Submit Dd</u> raft report outlining approach for WLAs that includes implementation methods, implementation schedules, proposed milestones, and any revisions to TMDL effectiveness monitoring plan.	December 22, 2006 January 11, 2007
	Submit Ffinal report outlining approach for WLAs compliance.	December 22, 2010 January 11, 2011
and a variable of the control of the		
	Demonstrate that 25% of the total drainage area served by MS4 system is effectively meeting the WLA for sediment.	<u>July 11,</u> 2011
		<u>July 11,</u> 2011
	Demonstrate that 50% of total drainage area served by the MS4 system is effectively meeting the WLA for sediment.	December 22, 2012
1975	Demonstrate that 75% of total drainage area served by the MS4 system is effectively meeting the WLA for sediment.	<del>, 2014</del>
to contain the second	Demonstrate that 100% of total drainage area served by the MS4 system is	December 22, 2016
	effectively meeting the WLA for sediment.	<del>, 2020</del>
Marina del Rey Harbor Toxic Pollutants	WLA A grouped mass-based WLA is developed for storm water permittees by subtracting the load allocations from the total loading capacity.	None Specified None Specified If pursuing a TMDL Specific
Effective Date: March 1622, 2006	Metals storm water WLAs Apportioned between Permits (kg/yr): Copper - 0.022	Implementation Plan 01/11/2014 - 50% area meeting WLAs
	Lead - 0.03	01/11/2016 - 100%
BPA: Attachment A Chapter 7-18	Zinc - 0.096	area meeting WLAs If pursuing thean
Resolution No.	Organics storm water WLAs Apportioned between Permits (g/yr) Chordane - 0.0003	integrated approach 01/11/2013 - 25% area
R4-2005-012	Total PCBs - 0.015	meeting WLAs 01/11/2015 - 50% area
The second secon		meeting WLAs 01/11/2017 - 75% area
a processing to the second sec		meeting WLAs 01/11/2021 - 100%
		area meeting WLAs
		To Commission of the Commissio
The state of the s		
SAB interchanged Date	Other Submit Coordinated Monitoring Plan	March <del>16</del> 22, 2007
and the second s	Submit Results of any Special Studies	March <del>16</del> 22, 2011
The second difference of the second s	in the sampliance with WI As that includes	March <del>16</del> 22, 2011
The state of the s	implementation methods, implementation schedule, proposed military revisions to TMDL effectiveness.	-
We will be the second of the s	Submit Final report outlining approach for WLAs compliance with WLAs.	September <u>1622</u> , 2011

TMDL	WLAs/Deliverables/Action Required	Compliance Date
THE PROPERTY OF THE PROPERTY O	If pursuing a TMDL Specific Implementation Plan Demonstrate that 50% of the total drainage area served by the MS4 system is effectively meeting the WLAs for sediment.	
The formation of the state of t	Demonstrate that 100% of the total drainage area served by the MS4 system is effectively meeting the WLAs for sediment.	March 16, 2014
The second of th	If pursuing the integrated approach  Demonstrate that 25% of the total drainage area served by the MS4 system is  offectively meeting the MU As for codiment	March 16, 2016
	Demonstrate that 50% of the total drainage area converted to the	March 16, 2013
The second secon	effectively meeting the WLAs for sediment.  Demonstrate that 75% of the total drainage area served by the MS4 system is effectively meeting the WLAs for sediment.	March 16, 2015
man vi i a anno mara mata vi i a anno mata vi a anno mata vi i a ann	y was the treated sealthorite.	March 16, 2017
Calleguas Creek, its	Demonstrate that 100% of the total drainage area served by the MS4 system is effectively meeting the WLAs for sediment.	March 16, 2021
Tributaries and Mugu Lagoon Organochlorine	WLA WLAs are held jointly with multiple dischargers.  1. Interim and Final WLAs for Pollutants in C. III.	None Specified
Pesticides (OC), Polychlorinated Biphenyls (PCBs), and	Interim and Final WLAs for Pollutants in Sediment for Stormwater     Permittees  a) Interim WLAs (ng/g)	March 264, 2006 – Interim WLAs
Siltation  Effective Date: March	Constituent Subwatershed  Mugu Calleguas Revolon Arroyo Arroyo Conejo  Lagoon¹ Creek Slough Lag Brooks	<u>March 264, 2026 –</u> <u>Final WLAs</u>
H24, 2006  BPA: Attachment A, Chapter 7-17  17, adopted July 7, 2005	Chlordane         25.0         17.0         48.0         3.3         3.3         3.3         3.4           4.4-DDD         69.0         66.0         400.0         290.0         14.0         5.3           4.4-DDE         300.0         470.0         1.600.0         950.0         170.0         20.0           4.4-DDT         39.0         110.0         690.0         670.0         25.0         2.0           Dieldrin         19.0         3.0         5.7         1.1         1.1         3.0           PCBs         180.0         3.800.0         7.600.0         25,700.0         25,700.0         3,800.0           Toxaphene         22,900.0         260.0         790.0         230.0         230.0         260.0	
Resolution No. R4-	b) Final WLAs (ng/g)	
<del>20</del> 05-010	Mugu Calleguas Revolon Arroyo Arroyo Conejo Lagoon¹ Creek Slough Las Posas Simi Creek Chlordane 3.3 3.3 0.9 3.3 3.3 4,4-DDD 2.0 2.0 3.0 3.0	American materials and a second secon
The Control of the Co	4.4-DDE     2.2     1.4     1.4     1.4     1.4     1.4       4.4-DDT     0.3     0.3     0.3     0.3     0.3       Dieldrin     4.3     0.2     0.1     0.2     0.2     0.2       PCBs     180.0     100.0     100.0     0.2     0.2     0.2	
mere interest in	PCBS         180.0         120.0         130.0         120.0	To your
	2. Siltation WLA for MS4	
The state of the s	MS4 dischargers will receive an allocation of 2,496-tons/yr. reduction in sediment yield to Mugu Lagoon. The baseline from which the load reduction will be evaluated will be determined by a special study of this TMDL. The load allocation will apply after the baseline is established, as described in the Implementation Plan.	March 24, 2015
T. Commercial Association	Other Workplan for OC pesticides and PCBs or an Integrated Calleguas Creek Watershed OC pesticide and PCBs Monitoring Program.	Contourly
	Initiate OC pesticide, PCBs, and siltation Monitoring Program	September 1424, 2006

And the state of t		Compliance Date Due Date
TMDL	WLAs/Deliverables/Action Required	Six months after
W. S. C.	The state of the s	Executive Officer
		Approval of Monitoring
		Program August 10.
orange Arra	Workplan to identify urban, industrial and domestic sources of OC pesticides,	<u>2008</u>
	Workplan to identify urban, industrial and domestic sources of purposes. PCBs, control methods, and methods to implement collection and disposal.	•
	Colongo Advisory Panel to	
	Special Study #1 Submit Workplan and convene a Science Advisory Panel to	
•	quantify sedimentation to Mugu Lagoon and seemen	March 1424, 2007
	Calleguas Creek Watersned	
	Special Study #2 Conduct study to identify land areas with high OC pesticides and	March 1424, 2007
	Special Study #2 Conduct study to identify land areas with high some these areash. PCBs concentrations and submit workplan to mitigate loadings from these areash.	,,,a,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	for OC posticides and PCBs.	•
	Implement a collection and disposal program for OC pesticides and PCBs.	
	Special Study #1: Submit results and recommendations for refining siltation	March 1424, 2007
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Special Study #1: Submit results and resul	
	allocations	March 1424, 2011
	Re-evaluation of Siltation load allocation and WLA	
	to rates methods to accelerate	March 1424, 2014
	Special Study #3: evaluate natural attenuation rates, methods to accelerate	
	attenuation, and examine WLA attainability.	March 14 <u>24,</u> 2015
		Waton Tier, Co.
		March 1424, 2016
os Angeles River	WLA	Addition of the Control of the Contr
litrogen Compounds	WLA WLA is held jointly with multiple dischargers.	March 23, 2004None
	a) Ammonia wasteload allocations (WLAs) for minor point sources are	Specified
ffective Date: March	listed below by receiving waters:	- F
8 <u>23,</u> 2004	Water Body	
3PA: Attachment A,	One-hour average WLA	Constitution of the consti
Chapter 7-8	Thirty-day average WLA	Accompany # TE
Resolution No. R03-		The state of the s
Resolution No. <u>nos-</u> 009 and R03-016	Los Angeles River above Los Angeles-Glendale WRP (LAG)	
No and Hou ore	4.7 <u>mg/L</u>	
	1.6 mg/L	1.00
	Los Angeles River below LAG	
	8.7 mg/L	Salphonomen
te is	2.4 mg/L	
	A . L. T. T. Hustorian	A parameter of the control of the co
	Los Angeles Tributaries	Processes and the second secon
	10.1 mg/L 2.3 mg/L	3
	b) WLAs for nitrate-nitrogen, nitrite-nitrogen, and nitrate-nitrogen plus	<b>E</b>
	WI AS IDI HILIARO HILI OMOTI, TROMO TELEBRICA	The state of the s
	b) WLAS for hitrage-thirogent, hierostatics are listed below:	
	nitrite-nitrogen for minor discharges are listed see-	
	nitrite-nitrogen for minor discharges are historise.  Constituent	
	nitrite-nitrogen for minor discharges are holded solven.  Constituent  Thirty-day average WLA	
	nitrite-nitrogen for minor discrizinges are noted soon. <u>Constituent</u> <u>Thirty-day average WLA</u> <u>NO<sub>3</sub>-N</u>	
	nitrite-nitrogen for minor discharges are holded solven.  Constituent  Thirty-day average WLA	
	nitrite-nitrogen for minor discrizinges are noted seem.  Constituent  Thirty-day average WLA  NO <sub>3</sub> -N  8.0 mg/L	
	nitrite-nitrogen for minor discrizinges are noted soon. <u>Constituent</u> <u>Thirty-day average WLA</u> <u>NO<sub>3</sub>-N</u>	
	Constituent Thirty-day average WLA  NO <sub>3</sub> -N 8.0 mg/L  NO <sub>2</sub> -N 1.0 mg/L	
	nitrite-nitrogen for minor discriatges are noted sees.  Constituent  Thirty-day average WLA  NO <sub>3</sub> -N  8.0 mg/L  NO <sub>2</sub> -N	

TMDL	WLAs/Deliverables/Action Required	Compliance Date  Due Date
		The same of the sa
	Other Submit a Manitorina Mantal	
	Submit a Monitoring Workplan to estimate nitrogen loadings from storm drain system.	
	Workplan to evaluate effectiveness of nitrogen reductions.	March 1823, 2005
•	or maragen reductions.	the AM Annual Control
Machado Lake	WLA	March 18, 2005
Eutrophic, Algae,		A STATE OF THE STA
Ammonia, and Odors (Nutrient)	Interim WLAs for Total Phosphorus (1.25 mg/L) and Total Nitrogen ((3.50 mg/L) is measured in the lake.	March 11, 2009
Effective Date: March	5 Year interim WLA for Total Phosphorus (1.25 mg/L)	March 11, 2014
BPA: Attachment A,	5 Year interim WLA for Total Nitrogen (2.45 mg/L)	March 11, 2014
Chapter 7-29	Final WLAs for Total Phosphorus (0.10 mg/L) and Total Nitrogen (1.0 mg/L)	
Resolution No.	(1.0 mg/L)	September 11, 2018
<del>08<u>R08</u>-006</del>	Other	
*	Submit Monitoring and Reporting Program- (MRP) Plan	March 11, 2010
	Begin monitoring as outlined in approved MRP planOptional Special Operations	No. 1 A Company
· ·	workplan workplan	Sixty days from date of MRP Plan approval
	Optional - Special Studies #1 and #2	The state of the s
		March 11, 2010
	Cuberit TMD	September 11, 2010
	Submit TMDL Implementation Plan (including BMPs)	March 11, 2011
	Begin limplementation of DMDs to add	Sixty days from ef
	Begin limplementation of BMPs to address discharges from storm drains, as set forth in TMDL Implementation Plan(60 days from approval of Implementation Plan)	Implementation Plan approval.
		Annually from date of
		MRP Plan approval
	Annual Monitoring Reports	September 11, 2011
- 1		
	Optional Special Study #3 Final Report	September 11, 2011
· · · · · · · · · · · · · · · · · · ·	Alternative mass-based WLA option: MRP and TMDL Implementation Plans	Sixty days from MRP/
	Alternative mass-based WLA option: Begin Monitoring and Implementation Plan	Implementation Plan approval November
•	<u> </u>	<del>11, 2011</del>
		•
* Princedowaye	Alternative Mmass-based WLAs Annual Monitoring Reports	Annually from date
The state of the s	— — — — — — — — — — — — — — — — — — —	of MRP/Implementation
		Plan approval
		September 11, 2012 and annually thereafter
	Optional Special Studies Final Reports	windany mereaner
	and the control of th	March 11, 2015
er Santa Clara	WEA	
er Oride	Chloride = 100 mg/l	And o occasi
	Concentration based WLAs	April 6, 2005May 5, 2015April 6, 2010

	TMDI WLAs/Deliverables/Action Required							
TMDL		LASIDO	The second secon	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE				
rr - this Data: April 6	Other				A FT of AVAA			
ffective Date: April 6, 1	None Specified				apar constant and the second	emperature and a state of the s		
PA: Attachment B, Chapter 7-6					trans hipponessas personal teachers			
esolution No. R4- 908-012	www.ii.ducarani.uni.uni.uni.uni.uni.uni.uni.uni.uni.u				A A A A A A A A A A A A A A A A A A A			
anta Clara River	WLA	www.com.com.com.com.com.com.com.com.com.com		AMERICA - 114-FRAIF - Addition to Comments	Arma per A countries	March 1823, 2004		
anta Clara Rivel itrogen Compounds	Concentration-bas	ed WLAs		OO Jay Avorage				
		1-Hour	30-day (mg/L)	30-day Average (mg/L)				
ffective Date: March	Watershed	(mg/L)	, , , , , , , , , , , , , , , , , , , ,	NO <sub>3</sub> -N + NO <sub>2</sub> -	7			
3 <u>23</u> , 2004	Stream Reach	NH <sub>3</sub> - N	NH <sub>3</sub> - N	N N				
PA: Attachment B,		4.2	2.0	8.1				
Chapter 7-9	3	·	1.75	6.8	**			
esolution No. <u>R</u> 03-	7	5.2	1./ <del>V</del>		*			
esolution No. <u>n</u> os- 11	,			* *		-		
11	Othor	·			loode :	4000 2005		
	Workplan to estim	nate ammonia an	nd nitrogen loading	s associated with runoff	<u>ivaus</u>	March 1823, 2005		
•	from the storm dra	ain system.						
	·   -		mplementation Pla	n .		March 1823, 2005 and		
	Annual Progress	Lichous ou me ii	· · · · · · · · · · · · · · · · · · ·	The second secon		annually thereafter		
ALTON WALL TO SEE THE STATE OF THE SECOND SE								
Calleguas Creek, Its	<u>WLA</u>					March 24, 2006 -		
ributaries and Mugu	Toxicity		• .			Interim WLAs		
Lagoon Toxicity, Chlorpyrifos,	1.0 TUC							
and Diazinon	-	<b>.</b> //			•	March 24, 2008 - Fina		
	Chlorpyrifos WLA Interim WLA (4 d	<u>4s, ug/L</u> lav) 0.45				WLAs		
Effective Date: March	Final WLA (4 da)	y) - 0.014				and the second s		
<u>24, 2006</u>						· Communicative Vision		
BPA: Attachment A.	Diazinon WLAs,	ug/L	73					
Chapter 7-16	Interim WLA (Ac Interim WLA (Ch	<u>uτe, ι-πουτ) – 1.</u> gronic, 4-day) – 0	<u>, , , , , , , , , , , , , , , , , , , </u>					
·	Final WLA (Acut	e and Chronic) -	- 0.10			and benefities and		
Resolution No. R05- 009	I mai rest (rest		Sallamura Crook M	lopitoring Program for api	oroval	<u>September 24, 2006</u>		
009		n for integrated C	alleguas Creek M	lonitoring Program for app		annual de		
	by EO					March 24, 2008		
	Initiate monitorir	ng program	•	a e				
			il venteso Diozino:	n and Chlorovrifos in the	<u>urban</u>	March 24, 2008		
	Investigate the	pesticides that w	ili replace Diazition act on receiving Wa	n and Chlorpyrifos in the aters, and potential contr	ol	Accompany		
	measures	On potomica major						
				strations by source/land u	ise type	6 months after		
	Consider result	s of monitoring o	t sealment concer	ntrations by source/land up. PCB and siltation TMD		completion of CCW		
· · · · · · · · · · · · · · · · · · ·	through special	study required if	sial study is not co	mpleted through the OC		OC pesticides, PCBs and Siltation TMDL		
	Implementation Pesticides PCI	Bs and Siltation	TMDL no consider	ation is necessary		sediment		
	1 0311010003, 1 3.		•			concentrations speci		
	a possession of the contract o					study		
	I place and the second					March 24, 2009		
	Develop and in	nplement collecti	on program for Dia	azinon and Chlorpyrifos a	and an	Walth 24, 2000		
to the second second	educational pro	ogram.	<del></del> ; <del></del>					
				Canaidor findings of trans	sport	6 months after		
			art rates in CCM (	COURING OF PRINCE				
The state of the s	Calculation of	sediment transpo	ort rates in CCW. ( C Pesticide, PCB (	Consider findings of trans and siltation TMDL		completion of CCW		

7		
- 4	M	

# WLAs/Deliverables/Action Required

### Compliance Date Due Date

OC Pesticides, PCBs and Siltation TMDL

# Attachment IV TMDL Requirements

Attachment IVa identifies TMDLs adopted by the Regional Water Boards and approved by USEPA for which the Department has been assigned a Waste Load Allocation (WLA), where roads have been assigned a WLA or Load Allocation (LA), or which identifies the Department as a responsible party in the implementation plan. Attachment IVb identifies the TMDLs established by USEPA. These TMDLs are established without implementation plans or compliance schedules. This summary is compiled for the convenience of the Department only<sup>1</sup>. The Department is obligated to consult each TMDL to comply with all applicable allocations and other provisions, whether included in the table or not. Compliance with all TMDLs must be demonstrated to the satisfaction of the applicable Regional Water Board.

Column 1 identifies applicable Regional Water Board Basin Plan Amendments, orders and resolutions which contain the implementation requirements.

Column 2 contains a partial list of WLAs, LAs, deliverables and action items contained in the Basin Plan Amendments, orders and resolutions, and from required submittals by the Department to the Regional Water Boards that have previously been approved by the Executive Officers. WLAs are listed in Attachment 4 where the relevant TMDL assigns a specific numeric load to the Department.

Column 3 contains the associated due dates, compliance dates, and deadlines. All TMDL-related requirements with due dates, compliance dates, and deadlines prior to the effective date of this Order are enforceable through this Order as though the date or deadline is the same as the effective date of this Order. Dates beyond the term of this Order are included for reference, but will become enforceable through this Order in the event that this Order is administratively extended.

<sup>&</sup>lt;sup>1</sup> This Attachment IV contains new specific permit requirements derived from San Francisco Bay Regional Water Board TMDLs for San Francisco Bay PCBs, San Francisco Bay Mercury, Sonoma Creek Sediment, and Napa River Sediment. Unlike the remainder of Attachment IV, these requirements are directly enforceable through this Order.

# Attachment IVa – Regional Water Board Approved TMDLs

# R4 – Los Angeles Regional Water Board

TMDL	WLAs/Deliverables/Action Required							Compliance Date Due Date	
Ballona Creek Trash		The second secon							
rrasii	Deadline	WLAs			·	Compliance Point			
Effective Date: August		%Baseline	(cubic	(gals)	(lbs)	% Baseline	(cubic ft)	(gals)	(lbs)
11, 2005	Initial	1000/						(gais)	1368
BPA: Attachment A,	2008	100%	1634	12222	13688	100%	1634	12222	8
Chapter 7-3		50%	818	6119	6844.0	60%	981	7338	Segtember 30, 2008
3	2009	40%	654	4892	5475.2	50%	818	6119	@aptember 30, 2009
Resolution No. R04-	2010	30%	491	3673	4106.4	40%	654	4892	<b>Samp</b> tember 30, 2010
	2012	20%	327	2446	2737.6	30%	491	3673	43 <b>e</b> ptember 30, 2011
	2012	10%	164	1227	1368.8	20%	327	2446	2566tember 30, 2012
		0%	0	0	0.0	10%	164	1227	<b>1369</b> tember 30, 2013
	2014	0%	0	0	0.0	3.3%	54	404	550tember 30, 2014
	2015	0%	0	0	0.0	0%	0	0	September 30, 2015
	Other Clean out a	nd measurem	ent of tra	sh retaine	d after rair	event.		The second secon	72 hours after each
	or oversima.								rain event.
	Clean out ar	nd measurem	ent of tra	sh retaine	d during di	y weather			Every 3 months durin
				·· <u>·</u>	, , , ,				Assemble to the waterweet of the commence of t
evolon Slough and Beardsley Wash	WLA		. 1		<u> </u>				
rash		Dead		% WLA		/mi2/yr			
		3/6/2		Initial WL		6674			
fective Date: March	. " .	3/6/20		80%		340			
2008		3/6/20		60%		005	i		
PA: Attachment A,		3/6/20		40%		670		:	
Chapter 7-24		3/6/20		20%	1	335			in processor
		3/6/20	016	0%		0			
esolution No. R07- 17	Other							- :	
The Proof of Ballande Assessment Control of the Con	Trash Monito				•				August 27, 2008
and of the second secon	Implement Tr	ash Monitorin	g Report	ing Plan			. ~		July 28, 2009
	Submit results prioritization of reduction mea	of Full Capture						ash	January 28, 2011 and annually thereafter
entura River	WLA			% WLA	المما	mi2/yr			
stuary rash		Deadl				674		a consideran	
	·	3/6/20		Initial WL	<del></del>	340		1111	•
fective Date: March		3/6/20		80%				7 - 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
2008		3/6/20		60%_		005		1 to a second	
PA: Attachment A,	i.	3/6/20		40%		670			
Chapter 7-25		3/6/20 3/6/20		20% 0%	_   1	335 0		NOW MATERIAL	

	Annual Marketin Comment of the Comme	Annual		a Required		Compliance Date Due Date			
TMDL		WLAs/Delive	radies/Action	ı nequnea					
008	Other Trash Monitoring	August 27, 2008							
	Implement Trash	July 28, 2009							
	Submit results of prioritization of Freduction measures	January 28, 2011 and annually thereafter							
				· .					
Machado Lake	WLA								
Trash	The state of the s	Donatine	% WLA	gal/mi2/yr	•				
Effective Date: March		Deadline		6674		X commonwe			
Effective Date. March 6, 2008	a a a s o f a des	3/6/2008	Initial WLA 80%	5340		T a p de des des de			
		3/6/2012		4005		The procurements			
BPA: Attachment A,	The san of the	3/6/2013	60%	2670					
Chapter 7-26	Today America a Ar	3/6/2014	40%	1335		- The second sec			
Resolution No. R07-	in parameters	3/6/2015	20%						
006	Table of the Control	3/6/2016	0%	0					
				•					
	Other			• .		August 27, 2008			
	Trash Monitorin	Other Trash Monitoring and Reporting Plan (TMRP)							
•	1 100	July 28, 2009							
	Implement Tras								
	1 5			. 1871 Aal munom	200	January 28, 2011 an			
		(TIADD	nond trach hacel	ine WLA, and prop	oose of other trash	January 28, 2011 an annually thereafter			
	Submit results of prioritization of	of TMRP, recomm Full Capture Sys	nond trach hacel	ine WLA, and prop or implementation o	oose of other trash	January 28, 2011 an annually thereafter			
		of TMRP, recomm Full Capture Sys	nond trach hacel	ine WLA, and prop r implementation o	ose of other trash	January 28, 2011 an annually thereafter			
Logo Loko	Submit results of prioritization of reduction meas	of TMRP, recomm Full Capture Sys	nond trach hacel	ine WLA, and prop or implementation o	oose of other trash	January 28, 2011 an annually thereafter			
Legg Lake Trash	Submit results of prioritization of	of TMRP, recomm Full Capture Sys	nend trash basel tem installation o	r anpiementation	oose of other trash	January 28, 2011 an annually thereafter			
Trash	Submit results of prioritization of reduction meas	of TMRP, recomm Full Capture Sys	nond trach hacel	gal/mi2/yr	oose of other trash	January 28, 2011 an annually thereafter			
Trash  Effective Date: March	Submit results of prioritization of reduction meas	of TMRP, recomm Full Capture Systures.	nend trash basel tem installation o	gal/mi2/yr 6674	oose of other trash	January 28, 2011 an annually thereafter			
Trash	Submit results of prioritization of reduction meas	of TMRP, recommend of TMRP, reco	mend trash basel tem installation o	gal/mi2/yr 6674 5340	oose of other trash	January 28, 2011 an annually thereafter			
Trash Effective Date: March 6, 2008	Submit results of prioritization of reduction meas	of TMRP, recommended Full Capture Systems.  Deadline 3/6/2008	mend trash basel tem installation of % WLA Initial WLA	gal/mi2/yr 6674	oose of other trash	January 28, 2011 an annually thereafter			
Trash  Effective Date: March	Submit results of prioritization of reduction meas	Deadline 3/6/2008 3/6/2012	mend trash basel tem installation of  % WLA Initial WLA 80%	gal/mi2/yr 6674 5340	oose of other trash	January 28, 2011 an annually thereafter			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27	Submit results of prioritization of reduction meas	Deadline 3/6/2012 3/6/2013	wulka solution of the solution	gal/mi2/yr 6674 5340 4005	oose of other trash	January 28, 2011 an annually thereafter			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas	Deadline 3/6/2008 3/6/2012 3/6/2014 3/6/2015	% WLA Initial WLA 80% 60% 40%	gal/mi2/yr 6674 5340 4005 2670	oose of other trash	January 28, 2011 an annually thereafter			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27	Submit results of prioritization of reduction meas	Deadline 3/6/2013 3/6/2014	% WLA Initial WLA 80% 60% 40% 20%	gal/mi2/yr 6674 5340 4005 2670 1335	oose of other trash	January 28, 2011 an annually thereafter			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas	Deadline 3/6/2008 3/6/2012 3/6/2014 3/6/2015 3/6/2016	% WLA Initial WLA 80% 60% 40% 20% 0%	gal/mi2/yr 6674 5340 4005 2670 1335	oose of other trash	annually thereafter			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas	Deadline 3/6/2008 3/6/2012 3/6/2014 3/6/2015	% WLA Initial WLA 80% 60% 40% 20% 0%	gal/mi2/yr 6674 5340 4005 2670 1335	oose of other trash	January 28, 2011 an annually thereafter  August 27, 2008			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori	Deadline 3/6/2008 3/6/2012 3/6/2014 3/6/2015 3/6/2016	% WLA Initial WLA 80% 60% 40% 20% 0%	gal/mi2/yr 6674 5340 4005 2670 1335	oose of other trash	annually thereafter			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori  Implement Tra	Deadline 3/6/2008 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting Sh Monitoring Re	% WLA Initial WLA 80% 60% 40% 20% 0% Plan (TMRP) eporting Plan	gal/mi2/yr 6674 5340 4005 2670 1335		August 27, 2008 July 28, 2009			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori  Implement Tra	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline W	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori  Implement Tra  Results of TMI Full Capture S	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline W	gal/mi2/yr 6674 5340 4005 2670 1335	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori  Implement Tra	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline W	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori  Implement Tra  Results of TMI Full Capture S	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline W	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-010	Submit results of prioritization of reduction meas  WLA  Other  Trash Monitori  Implement Tra  Results of TMI Full Capture S	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline W	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-	Submit results of prioritization of reduction meas  WLA  Other Trash Monitori Implement Tra Results of TMI Full Capture S measures.	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline Weat or implementate  // All trash baseline Weat or implementate  / All trash baseline Weat or implementate  // All tras	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Trash  Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-010	Submit results of prioritization of reduction meas  WLA  Other Trash Monitori Implement Tra Results of TMI Full Capture S measures.	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2015 3/6/2016  and Reporting the Monitoring Reservement of the Precommend of the Precomme	% WLA  // WLA  // MITTAL WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // Eporting Plan  // trash baseline With or implementation of the second of the secon	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-010  Malibu Creek Watershed Trash	Submit results of prioritization of reduction meas  WLA  Other Trash Monitori Implement Tra Results of TMI Full Capture S measures.	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2016  and Reporting the Monitoring Reserved installation	% WLA  // WLA  // Initial WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // eporting Plan  // trash baseline Weat or implementate  // All trash baseline Weat or implementate  / All trash baseline Weat or implementate  // All tras	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-010  Malibu Creek Watershed Trash  Effective Date: July 7,	Submit results of prioritization of reduction meas  WLA  Other Trash Monitori Implement Tra Results of TMI Full Capture S measures.	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2014 3/6/2016  and Reporting the Monitoring Reserved Processing Proces	% WLA  // WLA  // MITTAL WLA  // 80%  // 60%  // 40%  // 20%  // 0%  // Plan (TMRP)  // Eporting Plan  // trash baseline With or implementation of the second of the secon	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			
Effective Date: March 6, 2008  BPA: Attachment A, Chapter 7-27  Resolution No. R07-010  Malibu Creek Watershed Trash	Submit results of prioritization of reduction meas  WLA  Other Trash Monitori Implement Tra Results of TMI Full Capture S measures.	Deadline 3/6/2008 3/6/2012 3/6/2013 3/6/2015 3/6/2016  The properties of the propert	% WLA Initial WLA 80% 60% 40% 20% 0% Plan (TMRP) eporting Plan trash baseline W n or implementat	gal/mi2/yr 6674 5340 4005 2670 1335 0	prioritization of	August 27, 2008 July 28, 2009 January 28, 2011 a			

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TMDL	70 2 - 0 - 10 - 10 - 10 - 10 - 10 - 10 -	WLAs/Deliverables/Action Required						
Chapter 7-31		7/7/2	016	20%	427	7	War - *** or *** Co	- California - Cal
Resolution No. R08-	and the Wallands	7/7/2	017	0%_	0			
007	Other							
	Trash Monito	oring and Rep	orting Pla	an (TMRP	)			_
	implement T	rash Monitori	oa Donaw	K D!				April 30, 2010
	- Piomotit 1	i don Moniton	ng nepon	ung Pian	•			Six months from
The second	neways and an							receipt of letter of approval from
	on one of the other of the other of the other of the other o							Regional Board
The same of the sa	C. In and it	·						Executive Officer
	prioritization reduction me	ot Full Captur	ecommen e System	ıd trash ba ı installatio	aseline WLA, a on or implemer	ind propo ntation of	se other trash	One year from receipt of Regional Board
	10ddolosi ine	asules.						letter of approval for
		<u> </u>						TMRP and annually thereafter
Los Angeles River Trash								
	Deadline		WLAs		Effluen	t Limitatio	ns	
Effective Date: September 23, 2008		%Baseline	(gals)	(lbs)	%Baseline	(gals)	(lbs)	
	Initial WLA	100%	59421	66566	100%	59421	66566	
BPA: Attachment A,	2008	60%	35653	39940	60%	35653	39940	September 30, 2008
Chapter 7-2	2009	50%	29711	33283	55%	32682	36611	September 30, 2009
Resolution No. R07-	2010	40%	23768	26626	50%	29711	33283	September 30, 2010
012	2011 2012	30%	17826	19970	40%	23768	26626	September 30, 2011 September 30, 2012
The second secon	2012	20% 10%	11884 5942	13313	30%	17826	19970	September 30, 2013
Value	2014	0%	0	6657 0	20% 10%	11884	13313	September 30, 2014
The second secon	2015	0%	0	0	3.3%	5942 1961	6657 2197	September 30, 2015
and Applicative.	2016	0%	0	0	0%	0	0	September 30, 2016
A PARTICIPATION OF THE PARTICI	4		·				· · · · · · · · · · · · · · · · · · ·	
ANTIPETRAL ABOVE		A. Waste Lo	ad Alloca	tions: Ca	Itrans shall cor	noly with	the interim	•
		and final e	effluent lin	nitations s	et forth above	2		
	E	3. <u>Complian</u>						
		(1) Cal	trans may	y comply leans - Su	with the effluer ch compliance	nt limitatio	ons using are broadh	
A V A TO THE STATE OF THE STATE		clas	ssified as	full captu	re, partial capt	ure, or in	stitutional	<b>y</b>
To war a processor		COI the	<i>itrols</i> , as o	described	below, and an	y combin	nation of	
* animaly page of		u ic			ed to acmeve d e Systems:	оправа	æ:	
A A A A A A A A A A A A A A A A A A A			(~) -		ne Los Angeles	s Region'	s Basin	
**************************************	-	·		´ PI	an authorizes	the Exec	utive Office	
· · · · · · · · · · · · · · · · · · ·			•		certify <i>full cap</i> e systems that			
and the state of t					e systems mai nd performance			
The state of the s		4			scribed in this			
** Parameter and					ocedures iden id Requiremen			
the Alak An Andrews				a	Best Managen	nent Prac	tice for	* The control of the
A Approximation					ash Control as /stem." (See a			
- · · · · · · · · · · · · · · · · · · ·					altrans is autho			t <b>h</b>
a promote de la constante de l	,			its	effluent limita	tions thro	ough	
				CE	ertified <i>full capt</i> rovided the req	ture syste	ems s of	***************************************
eg generalisman				pa	aragraph 3), im	mediatel	y below,	
Approximation of				ar	nd any conditio	ns in the		

certification, continue to be met.

Caltrans may comply with its effluent 3) limitations through progressive installation of full capture systems throughout its areas until all areas draining to the Los Angeles River system are addressed. For purposes of this Permit, attainment of the effluent limitations shall be conclusively presumed for any drainage area to the Los Angeles River (or its tributaries)4 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 Board.

 A Permittee relying entirely on full capture systems shall be deemed in compliance with its final effluent limitation if it demonstrates that all drainage areas under its jurisdiction are serviced by appropriate certified full capture systems as described in paragraph (a)(3).

A Permittee relying entirely on full capture systems shall be deemed in compliance with its interim

effluent limitations:

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

Alternatively, a Permittee may propose a schedule for jurisdiction-wide installation of full capture systems, targeting first the areas of greatest trash generation ( based upon the information on drainage area and litter generation rates by land use provided in Appendices I and III of the Los **Angeles River** 

Trash TMDL Staff Report) for the Executive Officer's approval. The **Executive Officer** shall not approve any such schedule that does not result in timely compliance with the final effluent limitations. A Permittee shall be deemed in compliance with its interim effluent limitations provided it is fully in compliance with any such approved schedule.

- (b) Partial Capture Devices and Institutional Controls: Caltrans may comply with its interim and final effluent limitations through the installation of partial capture devices and the application of institutional controls.<sup>5</sup>
  - 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.<sup>6</sup> 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.
  - 2) Except as provided in subdivision 3), 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.7 The DGR shall be determined from direct measurement of trash deposited in the drainage area during any thirty-day period between June 22<sup>nd</sup> and September 22<sup>nd</sup> exclusive of rain events<sup>8</sup>, and shall be re-calculated every year thereafter. The DGR shall be calculated as the total amount of trash collected during this period divided by 30 (the length of the collection period).

DGR = (Amount of trash collected during a 30-day collection period<sup>9</sup>) / (30 days)

The DGR for the applicable area of the jurisdiction shall be extrapolated from that of the representative drainage area. A mass balance equation shall be used to estimate the amount of trash discharged during a storm event. 10 The Storm Event Trash Discharge for a given rain event in a 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. 11 For each day of a storm event that generates precipitation greater than 0.25 inches, Caltrans shall calculate a Storm Event Trash Discharge.

Storm Event Trash Discharge = [(Days since last street sweeping\*DGR)] - [Amount of trash recovered from catch basins]<sup>12</sup>

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

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

- 3) 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 MS4.
- (C) Combined Compliance Approaches:
  Caltrans may comply with its interim and final effluent limitations through a combination of full capture systems, partial capture devices, and institutional controls. Permittees relying on a combination of approaches shall demonstrate compliance with the interim and final effluent limitations as specified in (a)(3) in areas where full capture systems are installed and as specified in (b)(2) in areas where partial capture devices and institutional controls are applied.
- (2) A Permittee that is not in compliance with the applicable interim and/or final effluent limitation shall be in violation of this permit.
  - (a) A Permittee relying on partial capture devices and/or institutional controls that has violated its interim or final effluent limitation shall be presumed to have violated the applicable

limitation for each day of each storm event that generated precipitation greater than 0.25 inches 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.

- (b) For a Permittee relying on full capture systems who 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 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 Permittee may overcome this presumption by demonstrating (using any of the methods authorized in this Part B(1)(b)) that the actual or calculated discharge for that drainage area is in compliance with the applicable interim or final effluent limitation.
- Caltrans shall be held liable for violations of the Effluent Limitations assigned to its area. Any Permittee whose compliance strategy includes full or partial capture devices and who chooses to install a full or partial capture device in the MS4 physical infrastructure of another public entity 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.
- C. Monitoring and Reporting Requirements (pursuant to Water Code section 13383)
  - (1) On October 31, 2011 and every year thereafter, Caltrans shall submit a TMDL Compliance Report detailing compliance with the interim and final effluent limitations. Reporting shall include the information specified below. The report shall be submitted on a reporting form to be specified by the Executive Officer. The report shall be signed under penalty of perjury by the Director of Public Works or other agency head (or their delegee) that is responsible for ensuring compliance with this permit. Permittees shall be charged with and shall demonstrate compliance with the relevant effluent limitations beginning with their October 31, 2011 TMDL Compliance Report.
    - (a) Reporting Compliance based on Full Capture
      Systems: Caltrans shall provide information

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	Ballon			
5	Sepulv	eda (	Char	nel
ŧ	3acteri	a		

Effective Date: April 27, 2007

BPA: Attachment A, Chapter 7-21 Dry Weather WLAs for Ballona Creek, Ballona Estuary and Sepulveda

section 13385.

Channel		
Time Period	Ballona Estuary, Ballona Creek Reach 2, and Sepulveda Channel *	Ballona Creek Reach 1**
Summer Dry Weather (April 1 to October 31)	Zero (0) exceedance days based on the applicable Single Sample Bacteria Water Quality	No more than 10% of the Single Sample Bacteria Water Quality Objectives

approaches, in its TMDL Compliance Report

(2) Violation of the reporting requirements of this Part shall be punishable pursuant to inter alia Water Code subdivision (a)(1) of section 13385.1 and/or subdivision (a)(3) of

April 27, 2017

TMDL			WLAs/Deli	verables/Act	ion Required		Compliance Date Due Date
Resolution No. R06- 011	ember sei des 164 annes excesses (1820 est excesses exces		Objectives Zero (0) excepased on the Geometric Mater Quality	eedance days Rolling 30-Day ean Bacteria 7 Objectives	Zero (0) exceedance da based on the Rolling 30 Day Geometric Mean Bacteria Water Quality Objectives	ys	
		Winter Dry Weather November 1- March 31)	based on the Sample Bacte Objectives Zero (0) exce	Rolling 30-Day ean Bacteria	No more than 10% of the Single Sample Bacteria Water Quality Objectives  Zero (0) exceedance day based on the Rolling 30-Day Geometric Mean Bacteria Water Quality Objectives	s	
*** **********************************	and **E num	Jets, for Ballo I for Sepulved Exceedance from The stargets	na Creek Reach da Channel, base equency for Balk  As for Tributar	2 based on LRI ed on fresh wate ona Creek Reac ies to the Impa	REC-1 marine water numeric EC-1 freshwater numeric targer FREC-1 numeric targets h 1 based on freshwater REC fred Reaches of Ballona Cre	ets;	
- Carpenar		Tributary	Point of Application	Water Quality Objectives	Waste Load Allocation	Washington water and the second	April 27, 2017
		Ballona Creek Reach 1	At confluence with Reach 2	LREC-1 Freshwater	(No. exceedance days) For single sample objectives: (0) summer dry weather, (3) winter dry weather	Res New Controlled (March America) And America	The second secon
to the second se		· · · · · · · · · · · · · · · · · · ·			For geometric mean objectives: (0) for both periods	A A Consideration and A Co	
The comments of the comments o		Benedict Canyon Channel	At confluence with Reach 2	LREC-1 Freshwater	For single sample objectives: (0) summer dry weather, (3) winter dry weather	The second secon	
		Dellana	<b>A</b>	<b>D</b> 50.1	For geometric mean objectives: (0) for both periods	C CANONY PROPERTY CONTRACTOR CONT	C TO BE CONTROLLED TO THE CONTROL TH
		Ballona Creek Reach 2	At confluence with Ballona Estuary	REC-1 Marine water	For single sample objectives: (0) summer dry weather, (3) winter dry weather	Makintononomononogjajajajajajajajajajajajajajajajajajaja	The second secon
					For geometric mean objectives: (0) for both periods	to the second recognition of the second seco	
		Centinela Creek	At confluence with Ballona Estuary	REC-1 Marine water	For single sample objectives: (0) summer dry weather, (3)winter dry weather	and the second s	
		·			For geometric mean objectives: (0) for both periods	energenenenenenenenenenenenenenen der die MAA	the state of the s

Compliance Date
Due Date

Wet Weather Weather WLAs for Ballona Creek, Ballona Estuary and

Time Period	Ballona Estuary, Ballona Creek Reach 2, and Sepulveda Channel *	Ballona Creek Reach 1**
Wet- Weather (days with ≥0.1 inch of rain + 3 days following the rain event)	17*** exceedance days based on the applicable Single Sample Bacteria Water Quality Objectives  Zero (0) exceedance days based on the Rolling 30-Day Geometric Mean Bacteria Water Quality Objectives	No more than 10% of the Single Sample Bacteria Water Quality Objectives  Zero (0) exceedance days based on the Rolling 30-Day Geometric Mean Bacteria Water Quality Objectives

April 27, 2017 or, if an integrated water resources approach is used, July 15, 2021

April 27, 2017 or, if an integrated water resources approach is used, July 15, 2021

\*\*Exceedance frequency for Ballona Creek Reach 1 based on freshwater REC-2 numeric targets

Wet-weather WLAs for tributaries to the Impaired Reaches of Ballona Creek

Tributary	Point of Application	Water Quality Objectives	Wet-weather Waste Load Allocation (No. exceedance days)
Ballona Creek Reach 1	At confluence with Reach 2	LREC-1 Freshwater	For single sample objectives: (17*) winter wet weather  For geometric mean objectives: (0) for wet weather
Benedict Canyon Channel	At confluence with Reach 2	LREC-1 Freshwater	For single sample objectives: (17*) winter wet weather  For geometric mean objectives: (0) for wet weather
Ballona Creek Reach 2	At confluence with Ballona Estuary	REC-1 Marine water	For single sample objectives: (17) winter wet weather  For geometric mean objectives: (0) for wet weather
Centinela Creek	At confluence with Ballona Estuary	REC-1 Marine water	For single sample objectives: (17) winter wet weather  For geometric mean objectives: (0) for wet weather

<sup>\*</sup> At the confluence with Reach 2, the greater of the allowable exceedance days under the reference system approach or high flow suspension shall apply.

#### Other

Submit Final Implementation Plan outlining approach for compliance with WLAs.

Three months after receipt of Regional

<sup>\*</sup> Exceedance days for Ballona Estuary based on REC-1 marine water numeric targets; for Ballona Creek Reach 2 based on LREC-1 freshwater numeric targets; and for Sepulveda Channel, based on fresh water REC-1 numeric targets

<sup>\*\*\*</sup> In Reach 2, the greater of the allowable exceedance days under the reference system approach or high flow suspension shall apply.

## **TMDL**

## WLAs/Deliverables/Action Required

# Compliance Date Due Date

Board comments on Draft Implementation Plan.

Marina del Rey Harbor Back Basins, Mothers' Beach Bacteria

Effective Date: March 18, 2004

BPA: Attachment A, Chapter 7-5

Resolution No. R03-012 WLA

## Final Allowable Exceedance Days by Sampling Location

Com	pliance Deadline	3 years after effective date Summer Dry			rs after ve date	10 years after effective date	
		Wea	ther ^	Wint	er Dry ther ^*		eather ^*
			October 31		nber 1 - ch 31	and the second second	ber 1 - ber 31
Station ID	Location Name	Daily sampling (No. days)	Weekly sampling (No. days)	Daily samplin g (No. days)	Weekly samplin g (No. days)	Daily sampling (No. days)	Weekly sampling (No.
HYP (S9)	Mothers' Beach, at Lifeguard Tower	0	0	3	1	17	days) 3
DHS (109a)	Mothers' Beach, at Playground Area	0	0	3	1	17	3
DHS (109b)	Mothers' Beach, between Lifeguard Tower and Boat Dock	0	0	3	1	17	3
DHS (109c)	Los Angeles County Fire Dock - end of main channel	0	0	3	1	17	3
DHB (MDR- 8)	Mothers' Beach, near first slips outside swim area	0	0	3	1	17	3
DHB (MDR- 18)	Mothers' Beach, 20 meters off of the wheel chair ramp	0	0	0	0	15	3
MDR- 19)	Mothers' Beach, end of wheel chair ramp	0	0	3	1	17	3
	Basin F, innermost end	0	0	3	1	8	1
)HB	End of Main Channel	0	0	3	1	17	3
MDR- 0)	Basin E, near center of basin	0	0	3	1	17	3
OHB MDR- (0)	Basin E, in front of Tidegate from Oxford Basin	0	0	3	1	17	3

March 18, 2007 – Summer Dry Weather

March 18, 2010 – Winter Dry Weather

March 18, 2014 – Wet Weather

Santa Monica Bay Beaches Bacteria WLA

WLA is held jointly with multiple dischargers.

Caltrans is responsible for achieving the WLAs identified below for all shoreline monitoring sites with the exception of those subject to Antidegradation Provisions.

#### **TMDL**

Effective Date: July 15, 2003

BPA: Attachment A, Chapter 7-4

Resolution No. R02-004 and R02-022

### WLAs/Deliverables/Action Required

**Compliance Date Due Date** 

Dry Weather WLAs expressed as the Allowable Number of Exceedance Days

D	rv Weather WLAs expr	essed as the Allowable i	Anumber of Exceedari	CE Days	July 15, 2006 -
	Summer L	Ory Weather October 31	Winter D	3.00	Summer Dry Weather
	Daily sampling (No. days)	Weekly sampling (No. days)	Daily sampling (No. days)		plingvenber 1, 2009 – Winter Dry Weather
	0	0	3	1	

During the winter dry weather period, Caltrans is responsible for achieving the WLAs identified below for shoreline monitoring sites subject to antidegradation provisions.

Winter Dry Weather WLAs expressed as the Allowable Number of Exceedance Days for Shoreline Monitoring Sites subject to Antidegradation Provisions

	ne Monitoring Sites subject	Winter Dry Weather Nov. 1-Mar. 31			
Station ID	Location Name	Daily sampling (No. days)	Weekly sampling days)	No.	
SMB 1-4	Trancas Beach	0	0		
SMB 1-5	Westward Beach	0	. 0		
SMB 2-13	Imperial Highway Storm Drain	2	1	-	
SMB 3-8	Windward Ave Storm Drain	2	11		
SMB 4-1	Nicholas Beach	0	. 0	<u> </u>	
SMB 5-1	40th Street, Manhattan State Beach	1	1	general and the second	
SMB 5-2	28th Street Storm Drain	0	0	-	
SMB 5-3	Manhattan Beach Pier	1	11	1	
SMB 5-5	Hermosa Beach Pier	2	1		
SMB 6-6	Malaga Cove	11	1	1	

Caltrans is responsible for achieving the rolling 30-day geometric mean objectives, which shall not be exceeded at any time.

Caltrans is responsible for achieving the wet weather WLAs identified below for all shoreline monitoring sites, with the exception of those subject to Antidegradation Provisions.

Final Wet Weather WLAs expressed as the Allowable Number of Exceedance Days

Wet W	
Daily sampling (No. days)	Weekly sampling (No.
(No. days)	days)
17	3

Caltrans is responsible for achieving the wet weather WLAs identified below for shoreline monitoring sites subject to antidegradation provisions.

Final Wet Weather WLAs expressed as the Allowable Number of Exceedance Days for Shoreline Monitoring Sites subject to Antidegradation Provisions

Station ID	Location Name	Daily sampling (No. days)	Weekly sampling (No. days)
DHS 010a	Broad Beach	15	3

Up to July 15, 2021 if an integrated water resources approach is used; otherwise up to July 15, 2013 - Wet Weather

TMDL	3	WLAs/Deliverables	/Action Required		Compliance Date  Due Date		
	SMB 3-8	Windward Ave Storm	Drain 13	2	30-200-X-100-00-00-00-00-00-00-00-00-00-00-00-00		
4	SMB 4-1	Nicholas Beach	14	2			
en e		40th Street, Manhatta			:		
	SMB 5-1	Beach	4	1	The factor		
	SMB 5-3	Manhattan Beach Pier	r 5	11			
	SMB 5-4	26th Street, Hermosa	Beach 12	2			
	SMB 5-5	Hermosa Beach Pier	8.	2			
	SMB 6-2	Redondo Municipal Pi	er 14	2			
	4 444 444	Avenue I Storm Drain,					
·	SMB 6-5	Redondo State Beach	6	1			
	SMB 6-6	Malaga Cove	3	1			
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, and any 11, 2000	April	1 - October 31	November	1 - March 31	Summer Dry Weath		
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Chapter 7-10	(No. days)	(No. days)	(No. days)	(No. days)	Winter Dry Weather		
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	Wet Weather WL/	As expressed as the Allow Wet Wea		edance Days	January 24, 2016 –		
	Wet Weather WL/	Wet Wea	ther the state of		January 24, 2016 – Wet Weather		
	Wet Weather WL	Wet Wea	ther Weekly sampling (No				
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bor Beaches of atura County ddie Beach and bie Beach) beteria ective Date: ecember 18, 2008 A: Attachment A Chapter 7-28 colution No. R07-	Caltrans is respon which shall not be  WLA Interim WLAs for Exceedances:  Summer Dry-Weath Location Kiddie Beach Hobie Beach	Daily sampling (No. days)  17  sible for achieving the rolli exceeded at any time.  Single Sample and 30-dather Daily Sampling W 23 25  Daily Sampling W 32	weekly sampling (No days) 3 ing 30-day geometric reay rolling geometric eekly Sampling 8 6 eekly Sampling 4 4 eekly Sampling 5 6	mean targets,	December 18, 2008  December 18, 2008		

TMDL		WLAs/Deliv	erables/Action	Required	.;	Compliance Date Due Date
	Kiddie Beach	55	**************************************	W. W	* ************************************	
:	Hobie Beach	80	12			
	30-day Rolling	<b>Geometric Mea</b> Daily Sampli	n Exceedances (W ng Weekly S	<i>linter):</i> ampling		December 18, 2008
, .	Kiddie Beach	92	14			
	Hobie Beach	91	13			· ·
	autoconsummer + MT		•			·
	Final Allowable	Exceedance D	ays:			
	<u>6</u>	Summer			er-dry	A to grown a common
		Weathe			ather Weekly	December 18, 2013
	Location	Daily Sampling	Weekly Sampling	Daily Sampling	Sampling	Degember 16, 2516
		(No. days)	(No. days)	(No. days)	(No. days)	
	Kiddie Beach Hobie Beach	0 0	0 0	3 3	1	and the second s
•		Wet-We	ather		•	
	A A A A A A A A A A A A A A A A A A A	Daily	Weekly	4.5 · 4		December 18, 2018
	Location	Sampling (No. days)	Sampling (No. days)			
:	Kiddie Beach	17	3			Community Falls
	Hobie Beach	17	3			
	The WLA for the monitoring site	e rolling 30-day is zero (0) days	geometric mean dur of allowable exceed	ing any time perio ances.	d or	December 18, 2013
* .	Other Submit Monitor	ing Plan for app	roval by Executive (	Officer.		Prior to the
	- And Andrews				. !	modification of existing monitoring locations
		e.	••			frequencies.
	Submit Draft Dr	ry-Weather Worl	kplan to implement	source control BM	1Ps	June 18, 2010
	Submit Final D	ry-Weather Worl	kplan to implement	source control and	BMPs	June 18, 2012
•	Submit Final W	et-Weather Wo	kplan: to implement	t source control ar	nd BMPs.	December 18, 2012
	Submit Complia rolling 30-day (	ance Report for geometric mean	dry-weather, interintargets	n wet-weather allo	cations, and	December 18, 2014 and December 18, 2016
	Submit Final C	ompliance Repo	ort			December 18, 2018
Ballona Creek	WLA	And the second s	and the second s			3
<del></del>	:	VLAs (grams to	al recoverable meta	als/day):		
Metals	:	<b>VLAs</b> (grams to Ballona Creel	al recoverable meta	als/day):		meeting dry-weathe
Ballona Creek Metals Effective Date: October 29, 2008	:	Ballona Creel 11.2	<u>Sepulveda</u> 5.1	als/day):		01/11/2012 - 50% ar meeting dry-weather WLAs
Metals	Dry-weather V Copper - Lead -	Ballona Creel 11.2 6.0	Sepulveda 5.1 2.7	als/day):		meeting dry-weathe WLAs 01/11/2014 - 75% a
Metals  Effective Date: October 29, 2008  BPA: Attachment A,	Dry-weather V Copper - Lead - Selenium -	Ballona Creel 11.2 6.0 2.0	<u>Sepulveda</u> 5.1 2.7 1	als/day):		meeting dry-weather WLAs 01/11/2014 - 75% armeeting dry-weathe
Metals Effective Date: October 29, 2008	Dry-weather V Copper - Lead -	Ballona Creel 11.2 6.0	Sepulveda 5.1 2.7	als/day):		meeting dry-weathe WLAs 01/11/2014 - 75% a
Metals  Effective Date: October 29, 2008  BPA: Attachment A, Chapter 7-12  Resolution No. R07-	Dry-weather V Copper - Lead - Selenium -	Ballona Creel 11.2 6.0 2.0	<u>Sepulveda</u> 5.1 2.7 1	als/day):		meeting dry-weather WLAs 01/11/2014 - 75% armeeting dry-weather WLAs 01/11/2016 - 100% area meeting dry-
Metals  Effective Date: October 29, 2008  BPA: Attachment A, Chapter 7-12	Dry-weather V Copper - Lead - Selenium - Zinc -	Ballona Creel 11.2 6.0 2.0 143.1	<u>Sepulveda</u> 5.1 2.7 1			meeting dry-weathe WLAs 01/11/2014 - 75% a meeting dry-weathe WLAs 01/11/2016 - 100%

TMDL			Deliverat			iired	-	Compliance Date Due Date
	Lead - 7.78 Selenium - 6.59	E-07 x Da E-08 x Da	aily storm w aily storm w ily storm wa ily storm wa	ater volume ater volume	∋ (L) - (L)			WLAs 01/11/2016 - 50% area meeting wet-weather WLAs 01/11/2021 - 100% area meeting wet- weather WLAs
Calleguas Creek and Its Tributaries and Mugu Lagoon Metals and Selenium Effective Date: March 27, 2007	WLA The Departmen Interim Limi Selenium	ts and Fina	,			- · -	1 -	March 27, 2007
	A. Interim				- T			- March 27, 2007
BPA: Attachment A,			as and Con	<del></del>		Revolon		
Chapter 7-19	Constituents	Dry CMC (ug/L)	Dry CCC (ug/L)	Wet CMC (ug/L)	Dry CN (ug/L			- 7
Resolution No.	Copper*	23	19	204	23	19		
R06-012	Nickel	15	13	(a)	15	13		
	Selenium	(b)	(b)	(a) (b)	14	13		
The confirmation of the control of t	are not requ (b) Selenium all 303(d) list. (c) Attainment o loading data	ocations ha f interim lin	nits will be e					
	B. Final Wi	•			er, Nicke	l, and Sel	enium	
	Dry-Weath	er WLAs iı	n Water Co	lumn	· ·			March 27, 2012 – 25%
		er WLAs iı		lumn	· ·	evolon Slo	ugh Elevated	March 27, 2012 – 25% reduction in difference between current loads
	Dry-Weath Flow Range	er WLAs in Callegua Low Flow	Water Co as and Cone Average Flow	lumn ijo Creek Elevated Flow	Re Low Flow	Average Flow	ugh Elevated Flow	reduction in difference
	Flow Range Copper1 (lbs/day)	er WLAs in Callegua Low Flow	Water Co as and Cone Average	lumn ijo Creek Elevated Flow	Re Low Flow	Average Flow	ugh Elevated Flow	reduction in difference between current loads and final WLA
	Flow Range  Copper1 (lbs/day) Nickel	Callegue Low Flow 0.04*WER	as and Cone Average Flow 0.12*WER	lumn ijo Creek Elevated Flow 0.18*WER	Re Low Flow 0.03*WER	Average Flow 0.06*WER	Elevated Flow 0.13*WER	reduction in difference between current loads
	Flow Range  Copper1 (lbs/day) Nickel (lbs/day) Selenium	Callegua Low Flow 0.04*WER 0.02 0.100	Average Flow 0.12*WER 0.02 0.120	lumn ejo Creek Elevated Flow 0.18*WER 0.03 0.440	Re Low Flow 0.03*WER - 0.01 0.050	Average Flow 0.06*WER - 0.03 0.069	Elevated Flow 0.13*WER 0.02 0.116	reduction in difference between current loads and final WLA March 27, 2017 – 50% reduction in difference between current loads
	Flow Range  Copper1 (ibs/day) Nickel (ibs/day) Selenium (lbs/day) If site-sp load allo WERs us WERs, to (a) Selenium	Callegue Low Flow  0.04*WER 0.02  0.100  (a)  ecific WER cations shading the equation of the e	Average Flow  0.12*WER 0.02  0.120  (a)  Is are appropriate implementations set loading shall	lumn  ejo Creek  Elevated Flow  0.18*WER 0.03  0.440  (a)  eved by the mented in a forth above all not exce	Low Flow 0.03*WER - 0.01 0.050 0.004 Regional ccordance Regardled current	Average Flow  0.06*WER - 0.03  0.069  0.003  Board, TM with the aess of the loading.	Elevated Flow 0.13*WER 0.02 0.116 0.004 DL waste approved final	reduction in difference between current loads and final WLA March 27, 2017 – 50% reduction in difference
	Flow Range  Copper1 (ibs/day) Nickel (ibs/day) Selenium (ibs/day) If site-sp ioad allo WERs us WERs, to	Callegue Low Flow  0.04*WER 0.02  0.100  (a)  ecific WER cations shall sing the equal copper mallocation 03(d) list.	Average Flow 0.12*WER 0.02 0.120 (a) (a) (a) (b) s are appropriations set loading share not	lumn  ejo Creek  Elevated Flow  0.18*WER 0.03  0.440  (a)  eved by the mented in a forth above all not exce been deve	Low Flow 0.03*WER - 0.01 0.050 0.004 Regional ccordance Regardled current	Average Flow  0.06*WER - 0.03  0.069  0.003  Board, TM with the aess of the loading.	Elevated Flow 0.13*WER 0.02 0.116 0.004 DL waste approved final	reduction in difference between current loads and final WLA  March 27, 2017 – 50% reduction in difference between current loads and final WLA  March 27, 2022 –
	Flow Range  Copper1 (ibs/day) Nickel (ibs/day) Selenium (ibs/day) If site-sp load allo WERs us WERs, to (a) Selenium on the 30	Callegue Low Flow  0.04*WER 0.02  0.100  (a)  ecific WER cations shall sing the equation of th	Average Flow 0.12*WER 0.02 0.120 (a) s are appro-	lumn  jo Creek  Elevated Flow  0.18*WER 0.03  0.440  (a)  veed by the mented in a forth above all not exce been deve	Low Flow  0.03*WER - 0.01  0.050  0.004  Regional ccordance Regardled current loped for the	Average Flow  0.06*WER - 0.03  0.069  0.003  Board, TM with the alless of the loading, his reach a	Elevated Flow 0.13*WER 0.02 0.116 0.004  DL waste approved final as it is not	reduction in difference between current loads and final WLA  March 27, 2017 – 50% reduction in difference between current loads and final WLA  March 27, 2022 –
	Flow Range  Copper1 (ibs/day) Nickel (ibs/day) Selenium (ibs/day) If site-sp load allo WERs us WERs, to (a) Selenium on the 30  Wet-Weather  Copper1 (ibs/day)	Callegue Low Flow  0.04*WER 0.02  0.100  (a)  ecific WER cations shall sing the equal copper mallocation 03(d) list.	Average Flow 0.12*WER 0.02 0.120 (a) (a) (a) (b) s are appropriations set loading share not	lumn  jo Creek  Elevated Flow  0.18*WER 0.03  0.440  (a)  veed by the mented in a forth above all not exce been deve	Re Low Flow  0.03*WER - 0.01  0.050  0.004  Regional ccordance Regardled current loped for the loped	Average Flow  0.06*WER - 0.03  0.069  0.003  Board, TM with the aess of the loading.	Elevated Flow 0.13*WER 0.02 0.116 0.004  DL waste approved final as it is not	reduction in difference between current loads and final WLA  March 27, 2017 – 50% reduction in difference between current loads and final WLA  March 27, 2022 –
	Flow Range  Copper1 (ibs/day) Nickel (ibs/day) Selenium (ibs/day) If site-sp load allo WERs us WERs, to (a) Selenium on the 30  Wet-Weather  Constituent Copper1 (ibs/day) Nickel2 (ibs/day)	Callegue Low Flow  0.04*WER 0.02  0.100  (a)  ecific WER cations shall copper n allocation 03(d) list.  er WLAs in  (0.00054*0	Average Flow 0.12*WER 0.02 0.120 (a) s are approall be impler uations set loading share have not n Water Co Calleguas C	lumn  jo Creek  Elevated Flow  0.18*WER 0.03  0.440  (a)  veed by the mented in a forth above all not exce been deve	Regional ccordances. Regardled current loped for t	Average Flow  0.06*WER - 0.03  0.069  0.003  Board, TM with the alless of the loading. his reach a	Elevated Flow 0.13*WER 0.02 0.116 0.004  DL waste approved final as it is not	reduction in difference between current loads and final WLA  March 27, 2017 – 50% reduction in difference between current loads and final WLA  March 27, 2022 –
	Flow Range  Copper1 (ibs/day) Nickel (ibs/day) Selenium (ibs/day) If site-sp load allo WERs us WERs, to (a) Selenium on the 30  Wet-Weather  Copper1 (ibs/day) Nickel2	Callegue Low Flow  0.04*WER 0.02  0.100  (a)  ecific WER cations shall copper n allocation 03(d) list.  er WLAs in  (0.00054*0 0.06	Average Flow 0.12*WER 0.02 0.120 (a) s are approall be impler uations set loading share have not n Water Co Calleguas C	lumn  jo Creek  Elevated Flow  0.18*WER 0.03  0.440  (a)  veed by the mented in a forth above all not exce been deve	Regional ccordances. Regardled current loped for to 1.0.027*C	Average Flow 0.06*WER - 0.03 0.069 0.003 Board, TM with the a ess of the loading. his reach a	Elevated Flow 0.13*WER 0.02 0.116 0.004  DL waste approved final as it is not	reduction in difference between current loads and final WLA  March 27, 2017 – 50% reduction in difference between current loads and final WLA  March 27, 2022 –

TMD

**Compliance Date Due Date** 

WERs using the equations set forth above. Regardless of the final WERs, total copper loading shall not exceed current loading. Current loads do not exceed loading capacity during wet weather. Sum of all loads cannot exceed loads presented in the table

(a) Selenium allocations have not been developed for this reach as it is not on the 303(d) list. Q: Daily storm volume.

# Interim Limits and Final WLAs for Mercury in Suspended Sediment

Final WLAs are set at 80% reduction of HSPF load estimates. Interim limits for mercury in suspended sediment are set equal to the highest annual load within each flow category, based on HSPF output for the years 1993-2003.

	Callegua	as Creek	Revolon Slough	
Flow Range	Interim (lbs/yr)	Final (lbs/yr)	Interim (1bs/yr)	Final (lbs/yr)
0-15,000 MGY	3.3	0.4	1.7	0.1
15,000-25,000 MGY	10.5	1.6	4	0.7
Above 25,000 MGY	64.6	9.3	10.2	1.8

MGY: million gallons per year.

March 27, 2022 - Final WLAs for Mercury in Suspended Sediment

March 27, 2007 -Interim Limits for Mercury in Suspended

Sediment

#### Other

Implement Calleguas Creek Watershed Metals and Selenium Monitoring Program

Conduct a source control study, develop and submit an Urban Water Quality Management Program (UWQMP) for copper, mercury, nickel, and selenium.

Implement UWQMP

April 30, 2009

March 27, 2009

Evaluate results of the OC pesticides TMDL, Special Study - Calculation of sediment transport rates in the Calleguas Creek Watershed for applicability to the metals and selenium TMDL.

Include monitoring for copper, mercury, nickel, and selenium in the OC pesticides TMDL, Special Study - Monitoring of sediment by source and land use type

Evaluate the results of the OC Pesticides TMDL, Special Study - Effects of BMPs on Sediment and Siltation to determine the impacts on metals and selenium

Submit results of Special Study #2: Identification of Selenium Contaminated Groundwater Sources

Submit results of Special Study #3: Investigation of Metals' "Hot Spot" and Natural Soil.

Evaluate the effectiveness of BMPs implemented under the UWQMP

Evaluate the results of implementation actions Special Studies #2 and #3 and

Within one year of approval of UWQMP by the Executive Officer

Within six months of completion of Study

March 27, 2009

Within six months of completion of study

Within one year of approval of Workplan by Executive Officer

Within two years of

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
	implement actions identified by studies.	approval of Workplan
		by Executive Officer
		Three and the second se
*		March 27, 2013
		Within one was of the
		Within one year of the completion of studies
		oomplotion of studies
		and the same of th
Los Angeles River	WLA	
Metals	Discourant has late A - 1.1.1	comment
Effective Date:	Dry-weather WLAs - total recoverable metals (kg/day):  Cu Pb Zn	Francisco
October 29, 2008	LA River Reach 6 0.53 0.33	01/11/2012 - 50% area
	LA River Reach 5 0.05 0.03	meeting dry-weather WLAs
BPA: Attachment A,	LA River Reach 4 0.32 0.12	01/11/2020 - 75% area
Chapter 7-13	LA River Reach 3 0.06 0.03	meeting dry-weather
Resolution No.	LA River Reach 2 0.13 0.07	WLAs
R07-014	LA River Reach 1 0.14 0.07 Bell Creek 0.06 0.04	01/11/2024 - 100%
1107-014	Bell Creek 0.06 0.04 Tujunga Wash 0.001 0.0002	area meeting dry-
	Burbank Channel 0.15 0.07	weather WLAs
1 110	Verdugo Wash 0.18 0.10	* Principle Science
97 ( 4 % )	Arroyo Seco 0.01 0.01	A CALL TO THE CALL
77.000	Rio Hondo Reach 1 0.01 0.006 0.16	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
odd Fra - I	Compton Creek 0.04 0.02	Commonwey Market
- A4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wet-weather WLAs - total recoverable metals (kg/day):	
1740 , , , ,	Cadmium - WER x 5.3 x 10 <sup>-11</sup> x daily volume (1) 0.03	01/11/2012 - 25% area
	Cadmium - WER x $5.3 \times 10^{-11}$ x daily volume (L) $-0.03$ Copper - WER x $2.9 \times 10^{-10}$ x daily volume (L) $-0.2$	meeting wet-weather WLAs
•	Eead - WER x 1.06 x 10° x daily volume (L) - 0.07	01/11/2024 - 50% area
	Zinc - WER x 1.2 x 10-9 x daily volume (L) - 1.6	meeting wet-weather
	Note: Water effects set - (MED/-)) by	WLAs
	Note: Water effects ratio (WER(s)) have a default value of 1.0 unless site-specific WER(s) are approved by the Regional Board.	01/11/2028 - 100%
	or and approved by the regional board.	area meeting wet- weather WLAs
		weather WLAS
Ballona Creek	WLA	
Estuary	Metals WLAs for sediment in storm water (kg/yr)	01/11/2013 - 25% area
Toxic Pollutants	Cadmium - 0.11	meeting WLAs
Effective Date:	Copper - 3.2	· · · · · · · · · · · · · · · · · · ·
January 11, 2006	Lead - 4.4 Silver - 0.09	01/11/2015 - 50% area
, , =000	Zinc - 14	meeting WLAs
BPA: Attachment A,		01/11/2017 - 75% area
Chapter 7-14	Organics WLAs for sediment in storm water (g/yr)	meeting WLAs
Donalutic N-	Chlordane - 0.05	3
Resolution No. R05-008	DDTs - 0.15	01/11/2021 - 100%
1100 000	Total PCBs - 2 Total PAHs - 400	area meeting WLAs
	700	
	Other	
	Submit Coordinated Monitoring Plan	January 11, 2007
	Submit draft report outlining age	St Comment
	Submit draft report outlining approach for WLAs that includes implementation methods, implementation schedules, proposed milestones, and any revisions to	January 11, 2011
onder America	TMDL effectiveness monitoring plan.	
Accommons		
организм	Submit final report outlining approach for WLAs compliance.	July 11, 2011
A contraction of the contraction		,,,
		The state of the s

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
2 - ALCO	WLA	
Marina del Rey Harbor	TLA	If pursuing a TMDL
Toxic Pollutants		Specific
OXIC I Undterno	Metals storm water WLAs Apportioned between Permits (kg/yr):	Implementation Plan
Effective Date:	Copper - 0.022	01/11/2014 - 50% area
March 22, 2006	Lead - 0.03	meeting WLAs
·····	Zinc - 0.096	01/11/2016 - 100%
3PA: Attachment A	hoteron Bormite (a/vr)	area meeting WLAs
Chapter 7-18	Organics storm water WLAs Apportioned between Permits (g/yr)	If pursuing an
	Chordane - 0.0003	integrated approach
Resolution No.	Total PCBs - 0.015	01/11/2013 - 25% area
R05-012		meeting WLAs
		01/11/2015 - 50% area
		meeting WLAs
		01/11/2017 - 75% area
		meeting WLAs 01/11/2021 - 100%
		area meeting WLAs
		area meeting wins
:		•
•	Other	
	Submit Coordinated Monitoring Plan	March 22, 2007
	Submit Results of any Special Studies	March 22, 2011
	Submit Draft report outlining approach for compliance with WLAs that includes	
••	implementation methods, implementation schedule, proposed milestones, and any	March 22, 2011
•	revisions to TMDL effectiveness.	*
	Submit Final report outlining approach for WLAs compliance with WLAs.	September 22, 2011
	Shalliff Litter tehart opinions whereas in the second of t	
O-Magues Oresk He	WLA	The conditional and the co
Calleguas Creek, Its Tributaries and	WLAs are held jointly with multiple dischargers.	W Water Common
Mugu Lagoon		Manual 04 0006
Organochlorine	Interim and Final WLAs for Pollutants in Sediment for Stormwater	March 24, 2006 – Interim WLAs
Pesticides (OC),	Permittees	Inteliti WLAS
Polychlorinated		March 24, 2026 - Fina
Biphenyls (PCBs), and	a) Interim WLAs (ng/g)	WLAs
Siltation	Constituent Subwatershed	1100
	Mugu Calleguas Revolon Arroyo Arroyo Conejo	
Effective Date: March	Lagoon Creek Slough Las 15505	
24, 2006	Chlordane 25.0 17.0 100.0 200.0 14.0 5.3	
	4,4-DDD 69.0 60.0 470.0 1.600.0 950.0 170.0 20.0	
BPA: Attachment A,	4,4-DDT 39.0 110.0 690.0 670.0 25.0 2.0	
Chapter 7-17	Dieldrin 19.0 3.0 5.7 1.1 1.1 3.0	* Landoupoupoupoupoupoupoupoupoupoupoupoupoupo
	PCBs 180.0 3,800.0 7,600.0 25,700.0 25,700.0 3,800.0	**************************************
Resolution No. R05-	Toxaphene 22,900.0 260.0 790.0 230.0 230.0 260.0	No Approximation
010	1. Pr 1381 An January	A promote a series of the seri
	b) Final WLAs (ng/g)	December 1
A-MAN AND AND AND AND AND AND AND AND AND A	Constituent Subwatershed	· entrance of the control of the con
Total American	Mugu Calleguas Revolon Arroyo Arroyo Conejo	Tax and the same of the same o
*	Lagoon¹ Creek Slough Las Posas Simi Creek	
	Chlordane 3.3 3.9 3.0 20 20	
ACAMATICA A A A A A A A A A A A A A A A A A A	4,4-000 2.0 2.0 1.4 1.4 1.4	•
proposa va A de	4,4-DDE 2.2 1.4 1.4 4,4-DDE 0.3 0.3 0.3 0.3 0.3	
	Dieldrin 4.3 0.2 0.1 0.2 0.2 0.2	
	100 0 100 0 120 0	- 8
	PCBS 180.0 120.0 160.0 1-16	
Company Compan	Toxaphene 360.0 0.6 1.0 0.6 0.6 0.6	Department of the Control of the Con
	PCBS 180.0 120.0 100.0 0.6 0.6	and the second s

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
	2. Siltation WLA for MS4	2000.3
	MCA discharges will assess as all the second	March 24, 2015
	MS4 dischargers will receive an allocation of 2,496-tons/yr. reduction in sediment yield to Mugu Lagoon. The baseline from which the load reduction	
	will be evaluated will be determined by a special study of this TMDL. The load	
	allocation will apply after the baseline is established, as described in the	
	Implementation Plan.	
	Other	
	Workplan for OC pesticides and PCBs or an Integrated Calleguas Creek	Contombar 04, 0000
	Watershed OC pesticide and PCBs Monitoring Program.	September 24, 2006
	Initiate OC maskinide DOB Like it as a second	
	Initiate OC pesticide, PCBs, and siltation Monitoring Program	August 10, 2008
	Modules to ideatify the	
	Workplan to identify urban, industrial and domestic sources of OC pesticides, PCBs, control methods, and methods to implement collection and disposal.	March 24, 2007
	1 933, control methods, and methods to implement collection and disposal.	
The Control of the Co	Special Study #1 Submit Workplan and convene a Science Advisory Panel to	March 24, 2007
	quantity sedimentation to Mugu Lagoon and sediment transport throughout the	, , , , , ,
	Calleguas Creek Watershed	
	Special Study #2 Conduct study to identify land areas with high OC pesticides and	March 24, 2007
	PCBs concentrations and submit workplan to mitigate loadings from these areas.	111007
	Implement a collection and disposal program for OC pesticides and PCBs.	
	implement a concentration disposal program for OC pesticides and PCBs.	March 24, 2011
•	Special Study #1: Submit results and recommendations for refining siltation	March 24, 2014
	allocations	_ , _ , ,
	Special Study #3: evaluate natural attenuation rates, methods to accelerate attenuation, and examine WLA attainability.	March 24, 2016
Los Angeles River	WLA	
Nitrogen Compounds	WLA is held jointly with multiple dischargers.	•
Effective Date: March	Ammonia wasteload allocations (WLAs) for minor point sources are	
23, 2004	Ammonia wasteload allocations (WLAs) for minor point sources are listed below by receiving waters:	March 23, 2004
BPA: Attachment A,		
Chapter 7-8	Water Body One-hour average WLA	
	Thirty-day average WLA	
Resolution No. R03-		
009 and R03-016	Los Angeles River above Los Angeles-Glendale WRP (LAG) 4.7 mg/L	
S T T T T T T T T T T T T T T T T T T T	4.7 mg/L 1.6 mg/L	
a decimando aporta de la composição de l		-
Andronovous	Los Angeles River below LAG	
	8.7 mg/L 2.4 mg/L	
	2.4 mg/L	
	Los Angeles Tributaries	
	10.1 mg/L	
	2.3 mg/L	
		T of the second
The property of the second of	b) WLAs for nitrate-nitrogen, nitrite-nitrogen, and nitrate-nitrogen plus nitrite-nitrogen for minor discharges are listed below:	
· · · · · · · · · · · · · · · · · · ·	mand madger for millor disonarges are listed below.	
toward artificiative and the second artificiative artifici	Constituent	· · · · · · · · · · · · · · · · · · ·
o e e e e e e e e e e e e e e e e e e e	Thirty-day average WLA NO <sub>3</sub> -N	and the second s
The second secon		

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
	8.0 mg/L	
A change   Consistence of the Co	NO₂-N 1.0 mg/L	
	NO <sub>3</sub> -N + NO <sub>2</sub> -N	
	8.0 mg/L	
	Other Submit a Monitoring Workplan to estimate nitrogen loadings from storm drain system.	March 23, 2005
	W/ A	And the state of t
achado Lake utrophic, Algae, mmonia, and	WLA Interim WLAs for Total Phosphorus (1.25 mg/L) and Total Nitrogen (3.50 mg/L).	March 11, 2009
Odors (Nutrient)	5 Year interim WLA for Total Phosphorus (1.25 mg/L)	March 11, 2014
ffective Date: March 1, 2009	5 Year interim WLA for Total Nitrogen (2.45 mg/L)	March 11, 2014
PA: Attachment A, Chapter 7-29	Final WLAs for Total Phosphorus (0.10 mg/L) and Total Nitrogen (1.0 mg/L)	September 11, 2018
tesolution No. R08- 06	Other Submit Monitoring and Reporting Program (MRP) Plan	March 11, 2010
	Begin monitoring as outlined in approved MRP plan	Sixty days from date MRP Plan approval
	Submit TMDL Implementation Plan	March 11, 2011
	Begin implementation of BMPs to address discharges from storm drains, as set forth in TMDL Implementation Plan	Sixty days from Implementation Plan approval.
	Annual Monitoring Reports	Annually - from date of MRP Plan approval
	Alternative mass-based WLA option: MRP and TMDL Implementation Plans	September 11, 2011
•	Alternative mass-based WLA option: Begin Monitoring and Implementation Plan	Sixty days from MRF Implementation Plan approval
	Annual Manitarina Panarte	Annually - from date
	Alternative mass-based WLAs Annual Monitoring Reports	MRP/Implementation Plan approval
en e		WAR DESCRIPTION OF THE PROPERTY OF THE PROPERT
Upper Santa Clara River Chloride	WLA Chloride = 100 mg/L	April 6, 2010
Effective Date: April 6, 2010		No. of the contraction of the co
BPA: Attachment B, Chapter 7-6		and the second s
Resolution No. R08-		

TMDL	Water Committee	Compliance Date Due Date			
Santa Clara River Nitrogen Compounds	WLA Concentration-base	March 23, 2004			
Effective Date: March 23, 2004	Watershed	1-Hour (mg/L)	30-day (mg/L)	30-day Average (mg/L)	
BPA: Attachment B.	Stream Reach	NH <sub>3</sub> - N	NH <sub>3</sub> - N	NO <sub>3</sub> - N + NO <sub>2</sub> - N	
Chapter 7-9	3	4.2	2.0	8.1	disconnection of the second of
Resolution No. R03-		5.2	1.75	6.8	
011				**************************************	
	Other Workplan to estima from the storm drain	te ammonia and n system.	i nitrogen loadings	associated with runoff loads	March 23, 2005
	Annual Progress Re	eports on the Im	plementation Plan		March 23, 2005 and annually thereafter
Calleguas Creek, Its Tributaries and Mugu	WLA	····		The state of the s	A A Maria Carantella C
Lagoon Toxicity, Chlorpyrifos, and Diazinon	Toxicity 1.0 TUc				March 24, 2006 – Interim WLAs
Effective Date: March 24, 2006	Chlorpyrifos WLAs, Interim WLA (4 day) Final WLA (4 day) –	- 0.45			March 24, 2008 – Final WLAs
BPA: Attachment A, Chapter 7-16 Resolution No. R05-	Diazinon WLAs, ug/ Interim WLA (Acute, Interim WLA (Chroni Final WLA (Acute ar	<u>L</u> 1-hour) – 1.73 ic, 4-day) – 0.55	56 10		
009				oring Program for approval	September 24, 2006
	Initiate monitoring pr	ogram			March 24, 2008
	Investigate the pestic environment, their po measures	cides that will re tential impact o	place Diazinon and receiving waters	d Chlorpyrifos in the urban s, and potential control	March 24, 2008
	Consider results of m through special study Implementation Plan Pesticides, PCBs and	/ required in the . If the special s	OC Pesticide, PC	ons by source/land use type B and siltation TMDL ted through the OC is necessary	6 months after completion of CCW OC pesticides, PCBs and Siltation TMDL sediment concentrations special
	Develop and impleme educational program.	ent collection pr	ogram for Diazinor	n and Chlorpyrifos and an	study March 24, 2009
The second secon	Calculation of sedime rates developed throu	ent transport rate ugh the OC Pes	es in CCW. Consic ticide, PCB and sil	ler findings of transport tation TMDL	6 months after completion of CCW OC Pesticides, PCBs and Siltation TMDL

# Attachment A

# LA Regional Board Comments to State Board on January 7, 2011 Draft NPDES Statewide Storm Water Permit for State of California, Department of Transportation

OLs Applicable to Caltrans in the Los Angeles Region

Basin Plan Chapter	licable to Caltrans in the Los Angeles Region TMDL Name(s)			
7-2	Los Angeles River Trash			
7-3	Ballona Creek Trash			
7-4	Santa Monica Bay Beaches Bacteria			
7-5	Marina del Rey Harbor Bacteria			
7-6	Upper Santa Clara River Chloride			
7-8	Los Angeles River Nitrogen			
7-9	Santa Clara River Nitrogen			
7-10	Malibu Creek Bacteria			
7-12	Ballona Creek Metals			
7-13	Los Angeles River Metals			
7-14	Ballona Creek Estuary Toxics			
7-16	Calleguas Creek Toxicity, Chlorpyrifos, Diazinon			
7-17	Calleguas Creek OC Pesticides, PCBs, Siltation			
7-18	Marina del Rey Toxics			
7-19	Calleguas Creek Metals and Selenium			
7-21	Ballona Creek Bacteria			
7-24	Revolon Slough and Beardsley Wash Trash			
7-25	Ventura River Estuary Trash			
7-26	Machado Trash			
7-27	Legg Lake Trash			
7-28	Ventura Harbor Beaches Bacteria			
7-29	Machado Lake Nutrients			
7-31	Malibu Creek Trash			
N/A (USEPA)	San Gabriel River Metals			
N/A (USEPA)	Santa Clara River Reach 3 Chloride			
N/A (USEPA)	Malibu Creek Nutrients			
N/A (USEPA)	Los Cerritos Channel Metals			