

**Appendix 4 Non Sediment TMDLs**

**Region 1 Lost River-DIN and CBOD**

Region 1 Source: Cal Trans Construction TMDL Completion Date: 12 30 2008 TMDL Type: River, Lake Watershed Area= 2996 mi <sup>2</sup>	Pollutant Stressors/WLA	
	Dissolved inorganic nitrogen (DIN) (metric tons/yr)	Carbonaceous biochemical oxygen demand (CBOD) (metric tons/yr)
Lost River from the Oregon border to Tule Lake	.1 .2	
Tule Lake Refuge	.1	.2
Lower Klamath Refuge	.1	.2

**Region 2 San Francisco Bay-Mercury**

Region 2 Source:Non-Urban Stormwater Runoff TMDL Type: Bay	Name	Pollutant Stressor/WLA	TMDL Completion Date
	San Francisco Bay	Mercury 25 kg/year	08 09 2006

**Region 4 Machado Lake Nutrients - Resolution No. 2008-006**  
**(Effective Date - March 11, 2009)**

<b>General Construction Stormwater Permit WLAs</b>	<b>Years After Effective Date</b>	<b>Total Phosphorus (mg/L)</b>	<b>Total Nitrogen (TKN + NO3-N + NO2-N) (mg/L)</b>
Interim WLAs <sup>1</sup>	At Effective Date	1.25	3.50
Interim WLAs <sup>2</sup> 5	years	1.25	2.45
Final WLAs <sup>2</sup>	9.5 years	0.10	1.00

<sup>1</sup> The compliance points for effective date interim WLAs are measured in the lake.

<sup>2</sup> No compliance points are specified for general construction stormwater permits for the year 5 interim WLAs and final WLAs

**Region 4 Ballona Creek-Metals and Selenium – Resolution No. 2007-015**  
**(Effective Date October 29, 2008)**

**Wet Weather WLAs**

Region 4 Source: NPDES General Construction TMDL Completion Date: 10 29 2008 TMDL Type: Creek								
	<b>Copper (Cu)</b>		<b>Lead (Pb)</b>		<b>Selenium (Se)</b>		<b>Zinc (Zn)</b>	
	g/day	g/day/acre	g/day	g/day/acre	g/day	g/day/acre	g/day	g/day/acre
Ballona Creek	4.94E-07 x Daily storm volume (L)	2.20E-10 x Daily storm volume (L)	1.62E-06 x Daily storm volume (L)	7.20E-10 x Daily storm volume (L)	1.37E-07 x Daily storm volume (L)	6.10E-11 x Daily storm volume (L)	3.27E-06 x Daily storm volume (L)	1.45E-09 x Daily storm volume (L)

**Wet-weather WLA Implementation**

- Within seven years of the effective date of the TMDL, the construction industry will submit the results of BMP effectiveness studies to determine BMPs that will achieve compliance with the final waste load allocations assigned to construction storm water permittees.
- Regional Board staff will bring the recommended BMPs before the Regional Board for consideration within eight years of the effective date of the TMDL.
- General construction storm water permittees will be considered in compliance with final waste load allocations if they implement these Regional Board approved BMPs. All permittees must implement the approved BMPs within nine years of the effective date of the TMDL. If no effectiveness studies are conducted and no BMPs are approved by the Regional Board within eight years of the effective date of the TMDL, each general construction storm water permit holder will be subject to site-specific BMPs and monitoring requirements to demonstrate compliance with final waste load allocations.

**Dry-weather WLAs**

A waste load allocation of zero is assigned to all general construction storm water permits during dry weather.

**Dry-weather WLA Implementation**

Non-storm water flows authorized by the General Permit for Storm Water Discharges Associated with Construction Activity (Water Quality Order No. 99-08 DWQ), or any successor order, are exempt from the dry-weather waste load allocation equal to zero as long as they comply with the provisions of sections C.3 and A.9 of the Order No. 99-08 DWQ, which state that these authorized non-storm discharges shall be:

- (1) infeasible to eliminate
- (2) comply with BMPs as described in the Storm Water Pollution Prevention Plan prepared by the permittee, and
- (3) not cause or contribute to a violation of water quality standards, or comparable provisions in any successor order.

Unauthorized non-storm water flows are already prohibited by Order No. 99-08 DWQ.

**Region 4 Los Angeles River and Tributaries-Metals- Resolution No. 2007-014**  
**(Effective Date October 29, 2008)**

**Wet Weather WLAs**

	Cadmium (Cd)		Copper (Cu)		Lead (Pb)		Zinc (Zn)								
	kg/day	g/day/acre	kg/day	g/day/acre	kg/day	g/day/acre	kg/day	g/day/acre							
5.9x10 <sup>-11</sup>	x	7.6x10 <sup>-12</sup>	x	3.2x10 <sup>-10</sup>	x	4.2x10 <sup>-11</sup>	x	1.2x10 <sup>-9</sup>	x	1.5x10 <sup>-10</sup>	x	3.01x10 <sup>-9</sup>	x	3.9x10 <sup>-10</sup>	x
	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)	Daily storm volume (L)

**Wet-weather WLA Implementation**

- Within seven years of the effective date of the TMDL, the construction industry will submit the results of BMP effectiveness studies to determine BMPs that will achieve compliance with the final waste load allocations assigned to construction storm water permittees.
- Regional Board staff will bring the recommended BMPs before the Regional Board for consideration within eight years of the effective date of the TMDL.
- General construction storm water permittees will be considered in compliance with final waste load allocations if they implement these Regional Board approved BMPs. All permittees must implement the approved BMPs within nine years of the effective date of the TMDL. If no effectiveness studies are conducted and no BMPs are approved by the Regional Board within eight years of the effective date of the TMDL, each general construction storm water permit holder will be subject to site-specific BMPs and monitoring requirements to demonstrate compliance with final waste load allocations.

**Dry-weather WLAs**

A waste load allocation of zero is assigned to all general construction storm water permits during dry weather.

**Dry-weather WLA Implementation**

Non-storm water flows authorized by the General Permit for Storm Water Discharges Associated with Construction Activity (Water Quality Order No. 99-08 DWQ), or any successor order, are exempt from the dry-weather waste load allocation equal to zero as

long as they comply with the provisions of sections C.3 and A.9 of the Order No. 99-08 DWQ, which state that these authorized non-storm discharges shall be:

- (1) infeasible to eliminate
  - (2) comply with BMPs as described in the Storm Water Pollution Prevention Plan prepared by the permittee, and
  - (3) not cause or contribute to a violation of water quality standards, or comparable provisions in any successor order.
- Unauthorized non-storm water flows are already prohibited by Order No. 99-08 DWQ.

**Region 4 Calleguas Creek Metals TMDL – Resolution No. 2006-012**  
**(Effective Date - March 26, 2007)**

**Interim Limits and Final WLAs for Total Recoverable Copper, Nickel, and Selenium**

Interim limits and waste load allocations are applied to receiving water.

**A. Interim Limits**

Constituents	Calleguas and Conejo Creek			Revolon Slough		
	Dry CMC (ug/L)	Dry CCC (ug/L)	Wet CMC (ug/L)	Dry CMC (ug/L)	Dry CCC (ug/L)	Wet CMC (ug/L)
<b>Copper*</b>	23	19	204	23	19	204
<b>Nickel</b>	15	13	(a)	15	13	(a)
<b>Selenium</b>	(b)	(b)	(b)	14	13	(a)

- (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 Range	Calleguas and Conejo Creek			Revolon Slough		
	Low Flow	Average Flow	Elevated Flow	Low Flow	Average Flow	Elevated Flow
<b>Copper<sup>1</sup> (lbs/day)</b>	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
<b>Nickel (lbs/day)</b>	0.100	0.120	0.440	0.050	0.069	0.116
<b>Selenium (lbs/day)</b>	(a)	(a)	(a)	0.004	0.003	0.004

<sup>1</sup> 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
<b>Copper<sup>1</sup> (lbs/day)</b>	$(0.00054*Q^2*0.032*Q - 0.17)*WER - 0.06$	$(0.0002*Q^2+0.0005*Q)*WER$
<b>Nickel<sup>2</sup> (lbs/day)</b>	$0.014*Q^2+0.82*Q$	$0.027*Q^2+0.47*Q$
<b>Selenium<sup>2</sup> (lbs/day)</b>	(a)	$0.027*Q^2+0.47*Q$

<sup>1</sup> 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.

<sup>2</sup> 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

Flow Range	Calleguas Creek		Revolon Slough	
	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

MGY: million gallons per year.

In accordance with current practice, a group concentration-based WLA has been developed for all permitted stormwater discharges, including municipal separate storm sewer systems (MS4s), Caltrans, general industrial and construction stormwater permits, and Naval Air Weapons Station Point Mugu. Dischargers will have a required 25%, 50% and 100% reduction in the difference between the current loadings and the load allocations at 5, 10 and 15 years after the effective date, respectively. Achievement of required reductions will be evaluated based on progress towards BMP implementation as outlined in the urban water quality management plans (UWQMPs). If the interim reductions are not met, the dischargers will submit a report to the Executive Officer detailing why the reductions were not met and the steps that will be taken to meet the required reductions.

**Region 4 Calleguas Creek-OC Pesticides, PCBs, and Siltation (Resolution 2005-010)**  
**Effective Date - March 24, 2006**

**Interim Requirements**

<b>Region 4 Calleguas Creek</b> Source: Minor NPDES point sources/WDRs TMDL Completion Date: 3 24 2006 TMDL Type:Creek	Pollutant Stressor	WLA Daily Max (µg/L)	WLA Monthly Ave (µg/L)
	Chlordane 1.2		0.59
	4,4-DDD 1.7		0.84
	4,4-DDE 1.2		0.59
	4,4-DDT 1.2		0.59
	Dieldrin 0.28		0.14
	PCB's 0.34		0.17
	Toxaphene 0.33		0.16

**Region 4 Calleguas Creek-Calleguas Creek Toxicity (Resolution 2005-009)**  
**Effective Date - March 24, 2006**

Minor sources include NPDES permittees other than POTWs and MS4s, discharging to the Calleguas Creek Watershed. A wasteload of 1.0 TUC is allocated to the minor point sources discharging to the Calleguas Creek Watershed. Additionally, the following wasteloads for chlorpyrifos and diazinon are established. Final WLAs apply as of March 24, 2006.

**Chlorpyrifos WLAs, ug/L**

Final WLA

(4 day)

0.014

**Diazinon WLAs, ug/L**

Final WLA

Acute and Chronic

0.10

**Region 4 Calleguas Creek-Salts (Resolution 2007-016)**  
**Effective Date – December 2, 2008**

Final Dry Weather Pollutant WLA (mg/L)					
Region 4 Calleguas Creek Source Permitted Stormwater Dischargers TMDL Completion Date: 12 2 2008 TMDL Type:Creek	Critical Condition Flow Rate (mgd)	Chloride (lb/day)	TDS (lb/day)	Sulfate (lb/day)	Boron (lb/day)
Simi	1.39	1738 9849 2897	12		
Las Posas	0.13	157 887 261	N/A		
Conejo	1.26	1576 8931 2627	N/A		
Camarillo	0.06	72	406 119	N/A	
Pleasant Valley (Calleguas)	0.12	150 850 250	N/A		
Pleasant Valley (Revolon)	0.25	314	1778	523	2
Dry Weather Interim Pollutant WLA (mg/L)					
		Chloride (mg/L)	TDS (mg/L)	Sulfate (mg/L)	Boron (mg/L)

Simi 230.0		1720.0	1289.0	1.3
Las Posas	230	1720	1289	1.3
Conejo 230		1720	1289	1.3
Camarillo 230		1720	1289	1.3
Pleasant Valley (Calleguas)	230	1720	1289	1.3
Pleasant Valley (Revolon)	230	1720	1289	1.3

- Dry- weather waste load allocations apply in the receiving water at the base of each subwatershed. Dry weather allocations apply when instream flow rates are below the 86th percentile flow and there has been no measurable precipitation in the previous 24 hours.
- Because wet weather flows transport a large mass of salts at low concentrations, these dischargers meet water quality objectives during wet weather. No wet weather allocations are assigned.

**Ballona Creek Toxic Pollutants (Resolution No. 2005-008)**  
**Effective Date - January 11, 2006**

Each storm water permittee enrolled under the general construction or industrial storm water permits will receive an individual waste load allocation on a per acre basis, based on the acreage of their facility.

**Metals per Acre WLAs for Individual General**

**Construction or Industrial Storm Water Permittees (g/yr/ac)**

Cadmium	Copper	Lead	Silver	Zinc
0.1	3 4 0.1			13

**Organics per Acre WLAs for Individual General**

**Construction or Industrial Storm Water Permittees (mg/yr/ac)**

Chlordane	DDTs	Total PCBs	Total PAHs
0.04	0.14	2	350

Waste load allocations will be incorporated into the State Board general permit upon renewal or into a watershed specific general construction storm water permit developed by the Regional Board.

Within seven years of the effective date of the TMDL, the construction industry will submit the results of BMP effectiveness studies to determine BMPs that will achieve compliance with the waste load allocations assigned to construction storm water permittees. Regional Board staff will bring the recommended BMPs before the Regional Board for consideration within eight years of the

effective date of the TMDL. General construction storm water permittees will be considered in compliance with waste load allocations if they implement these Regional Board approved BMPs.

All general construction permittees must implement the approved BMPs within nine years of the effective date of the TMDL. If no effectiveness studies are conducted and no BMPs are approved by the Regional Board within eight years of the effective date of the TMDL, each general construction storm water permit holder will be subject to site-specific BMPs and monitoring requirements to demonstrate compliance with waste load allocations.

**Region 4 Marina Del Rey Harbor Toxic Pollutants TMDL (Resolution No. 2005-012)**  
**Effective Date March 22, 2006**

Each storm water permittee enrolled under the general construction or industrial storm water permits will receive an individual waste load allocation on a per acre basis, based on the acreage of their facility.

**Metals per Acre WLAs for Individual General Construction or Industrial Storm Water Permittees (g/yr/ac)**

Copper	Lead	Zinc
2.3	3.1	10

**Organics per acre WLAs for Individual General Construction or Industrial Storm Water Permittees (mg/yr/ac)**

Chlordane	Total PCBs
0.03	1.5

Waste load allocations will be incorporated into the State Board general permit upon renewal or into a watershed specific general construction storm water permit developed by the Regional Board.

Within seven years of the effective date of the TMDL, the construction industry will submit the results of BMP effectiveness studies to determine BMPs that will achieve compliance with the waste load allocations assigned to construction storm water permittees. Regional Board staff will bring the recommended BMPs before the Regional Board for consideration within eight years of the effective date of the TMDL. General construction storm water permittees will be considered in compliance with waste load allocations if they implement these Regional Board approved BMPs.

All general construction permittees must implement the approved BMPs within nine years of the effective date of the TMDL. If no effectiveness studies are conducted and no BMPs are approved by the Regional Board within eight years of the effective date of

the TMDL, each general construction storm water permit holder will be subject to site-specific BMPs and monitoring requirements to demonstrate compliance with waste load allocations.

**Region 4 San Gabriel River and Tributaries-Metals and Selenium (EPA-established TMDL – Effective date: 3/26/07)**

**Wet-weather allocations**

<b>Waterbody</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>
<b>San Gabriel River Reach 2*</b>		0.8 kg/d	
<b>Coyote Creek**</b>	0.513 kg/d	2.07 kg/d	3.0 kg/d

\*Mass-based allocations are based on a flow of 260 cfs (daily storm volume =  $6.4 \times 10^8$  liters)

\*\*Mass-based allocations are based on a flow of 156 cfs (daily storm volume =  $3.8 \times 10^8$  liters)

**Dry-weather allocations**

The dry-weather copper waste load allocation for general construction storm water permittees that discharge to San Gabriel Reach 1, Coyote Creek, and the Estuary is zero.

The dry-weather selenium allocation for general construction storm water permittees that discharge to San Jose Creek Reach 1 and Reach 2 is 5 µg/L (total recoverable metals).

**Region 4 Upper Santa Clara River Chloride TMDL Adopted by Resolution No 2006-016**  
**Effective Date June 12, 2008**

“Other NPDES dischargers” have a chloride WLA equal to 100 mg/L.

This TMDL was revised by Resolution No 2008-012, which, when it becomes effective, includes the following conditional WLAs for “Other minor NPDES discharges”:

Reach	Concentration-based Conditional WLA for Chloride (mg/L)*
6	150 (12-month Average), 230 (Daily Maximum)
5	150 (12-month Average), 230 (Daily Maximum)
4B	117 (3-month Average), 230 (Daily Maximum)

\*The conditional WLAs for chloride for all point sources shall apply only when chloride load reductions and/or chloride export projects are in operation by the Santa Clarita Valley Sanitation District according to the implementation plan for the TMDL. If these conditions are not met, WLAs shall be based on existing water quality objectives for chloride of 100 mg/L.

**Region 4 The Harbor Beaches of Ventura County-Bacteria (Adopted by Resolution No. 2007-017)**  
**Effective Date – December 18, 2008**

Current and future enrollees in the Statewide Construction Activity Storm Water General Permit in the Channel Islands Harbor subwatershed are assigned WLAs of zero (0) days of allowable exceedances of the single sample limits and the rolling 30-day geometric mean limits.

Single Sample Limits are:

- Total coliform density shall not exceed 10,000/100 ml.
- Fecal coliform density shall not exceed 400/100 ml.
- Enterococcus density shall not exceed 104/100 ml.
- Total coliform density shall not exceed 1,000/100 ml, if the ratio of fecal-to-total coliform exceeds 0.1.

Rolling 30-day Geometric Mean Limits are:

- Total coliform density shall not exceed 1,000/100 ml.
- Fecal coliform density shall not exceed 200/100 ml.
- Enterococcus density shall not exceed 35/100 ml.

**Los Angeles Harbor Bacteria TMDL (Adopted by Resolution No. 2004-001)**  
**Effective Date – March 10, 2005**

Current and future enrollees in the Statewide Construction Activity Storm Water General Permit in the watershed are assigned WLAs of zero (0) days of allowable exceedances of the single sample limits and the rolling 30-day geometric mean.

Single Sample Limits are:

- a. Total coliform density shall not exceed 10,000/100 ml.
- b. Fecal coliform density shall not exceed 400/100 ml.
- c. Enterococcus density shall not exceed 104/100 ml.
- d. Total coliform density shall not exceed 1,000/100 ml, if the ratio of fecal-to-total coliform exceeds 0.1.

Rolling 30-day Geometric Mean Limits are:

- a. Total coliform density shall not exceed 1,000/100 ml.
- b. Fecal coliform density shall not exceed 200/100 ml.
- c. Enterococcus density shall not exceed 35/100 ml.

**Ballona Creek Bacteria TMDL (Adopted by Resolution No. 2006-011)**  
**Effective Date – April 27, 2007**

Current and future enrollees in the Statewide Construction Activity Storm Water General Permit in the watershed are assigned WLAs of zero (0) days of allowable exceedances of the single sample limits and the rolling 30-day geometric mean.

Single Sample Limits are:

- a. Total coliform density shall not exceed 10,000/100 ml.
- b. Fecal coliform density shall not exceed 400/100 ml.
- c. Enterococcus density shall not exceed 104/100 ml.
- d. Total coliform density shall not exceed 1,000/100 ml, if the ratio of fecal-to-total coliform exceeds 0.1.

Rolling 30-day Geometric Mean Limits are:

- a. Total coliform density shall not exceed 1,000/100 ml.
- b. Fecal coliform density shall not exceed 200/100 ml.
- c. Enterococcus density shall not exceed 35/100 ml.

**Region 4 Resolution No. 03-009 Los Angeles River and Tributaries-Nutrients**

Minor Point Sources

Waste loads are allocated to minor point sources enrolled under NPDES or WDR permits including but not limited to Tapia WRP, Whittier Narrows WRP, Los Angeles Zoo WRP, industrial and construction stormwater, and municipal storm water and urban runoff from municipal separate storm sewer systems (MS4s)

<b>Region 4</b> Minor Point Sources for NPDES/WDR Permits TMDL Effective Date: 3 23 2004  TMDL Type: River	Pollutant Stressor/WLA				
	<b>Total Ammonia (NH<sub>3</sub>)</b>		<b>Nitrate-nitrogen (NO<sub>3</sub>-N)</b>	<b>Nitrite-nitrogen (NO<sub>2</sub>-N)</b>	<b>NO<sub>3</sub>-N + NO<sub>3</sub>-N</b>
	1 Hr Ave mg/l	30 Day Ave mg/l	30 Day Ave mg/l		30 Day Ave mg/l
LA River Above Los Angeles-Glendale WRP (LAG)	4.7 1.6 8.0			1.0	8.0
LA River Below LAG	8.7	2.4	8.0	1.0	8.0
Los Angeles Tributaries 10.1		2.3	8.0	1.0	8.0

**Malibu Creek Attachment A to Resolution No. 2004-019R-Bacteria**

Effective date: 1 24 2006. The WLAs for permittees under the NPDES General Stormwater Construction Permit are zero (0) days of allowable exceedances for the single sample limits and the rolling 30-day geometric mean.

Single Sample Limits are:

- a. Total coliform density shall not exceed 10,000/100 ml.
- b. Fecal coliform density shall not exceed 400/100 ml.
- c. Enterococcus density shall not exceed 104/100 ml.
- d. Total coliform density shall not exceed 1,000/100 ml, if the ratio of fecal-to-total coliform exceeds 0.1.

Rolling 30-day Geometric Mean Limits are:

- a. Total coliform density shall not exceed 1,000/100 ml.
- b. Fecal coliform density shall not exceed 200/100 ml.
- c. Enterococcus density shall not exceed 35/100 ml.

**Region 4 Marina del Rey Harbor, Mothers' Beach and Back Basins**  
**Attachment A to Resolution No. 2003-012-Bacteria**

Effective date: 3 18 2004. Discharges from general construction storm water permits are not expected to be a significant source of bacteria. Therefore, the WLAs for these discharges are zero (0) days of allowable exceedances for the single sample limits and the rolling 30-day geometric mean. Any future enrollees under a general NPDES permit, general industrial storm water permit or general construction storm water permit within the MdR Watershed will also be subject to a WLA of zero days of allowable exceedances.

Single Sample Limits are:

- a. Total coliform density shall not exceed 10,000/100 ml.
- b. Fecal coliform density shall not exceed 400/100 ml.
- c. Enterococcus density shall not exceed 104/100 ml.
- d. Total coliform density shall not exceed 1,000/100 ml, if the ratio of fecal-to-total coliform exceeds 0.1.

Rolling 30-day Geometric Mean Limits are:

- a. Total coliform density shall not exceed 1,000/100 ml.
- b. Fecal coliform density shall not exceed 200/100 ml.
- c. Enterococcus density shall not exceed 35/100 ml.

**Santa Clara River Nutrients TMDL (Adopted by Resolution No. 2003-011**  
**Effective Date - March 23, 2004**

Concentration-based wasteloads are allocated to municipal, industrial and construction stormwater sources regulated under NPDES permits. For stormwater permittees discharging into Reach 7, the thirty-day WLA for ammonia as nitrogen is 1.75 mg/L and the one-hour WLA for ammonia as nitrogen is 5.2 mg/L; the thirty-day average WLA for nitrate plus nitrite as nitrogen is 6.8 mg/L. For stormwater permittees discharging into Reach 3, the thirty-day WLA for ammonia as nitrogen is 2.0 mg/L and the one-hour WLA for ammonia as nitrogen is 4.2 mg/L; the thirty-day average WLA for nitrate plus nitrite nitrogen is 8.1 mg/L.

**Region 8 RESOLUTION NO. R8-2007- 0024**

Total Maximum Daily Loads (TMDLs) for San Diego Creek,  
Upper and Lower Newport Bay, Orange County, California

Region 8 NPDES Construction Permit TMDL Completion Date: 1 24 1995  TMDL Type: River. Cr, Bay	Organochlorine Compounds							
	Total DDT		Chlordane		Total PCBs		Toxaphene	
	g/day	g/yr	g/day	g/yr	g/day	g/yr	g/day	g/yr
San Diego Creek	.27	99.8	.18*	64.3*	.09*	31.5*	.004	1.5
Upper Newport Bay	.11	40.3	.06	23.4	.06	23.2	X	X
Lower Newport Bay	.04	14.9	.02	8.6	.17	60.7	X	X

\*Red= Informational WLA only, not for enforcement purposes

**Organochlorine Compounds TMDLs Implementation Tasks and Schedule**

Regional Board staff shall develop a SWPPP Improvement Program that identifies the Regional Board’s expectations with respect to the content of SWPPPs, including documentation regarding the selection and implementation of BMPs, and a sampling and analysis plan. The Improvement Program shall include specific guidance regarding the development and implementation of monitoring plans, including the constituents to be monitored, sampling frequency and analytical protocols. The SWPPP Improvement Program shall be completed by *(the date of OAL approval of this BPA)*. **No later than two months** from completion of the Improvement Program, Board staff shall assure that the requirements of the Program are communicated to interested parties, including dischargers with existing authorizations under the General Construction Permit. Existing, authorized dischargers shall revise their project SWPPPs as needed to address the Program requirements as soon as possible but **no later than (three months of completion of the SWPPP Improvement Program)**. Applicable SWPPPs that do not adequately address the Program requirements shall be considered inadequate and enforcement by the Regional Board shall proceed accordingly. The Caltrans and Orange County MS4 permits shall be revised as needed to assure that the permittees communicate the Regional Board’s SWPPP expectations, based on the SWPPP Improvement Program, with the Standard Conditions of Approval.