ATTACHMENT H

TOTAL MAXIMUM DAILY LOAD IMPLEMENTATION REQUIREMENTS APPLICABLE TO CONSTRUCTION STORMWATER DISCHARGES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED
WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES
(GENERAL PERMIT)

The following table contains a list of existing Total Maximum Daily Loads (TMDLs) that are identified as applicable to construction stormwater dischargers covered under this General Permit. The listed TMDLs were adopted by a Regional Water Quality Control Board or established by the U.S. EPA prior to the adoption date of this General Permit. The State Water Board may reopen this General Permit to update TMDL-specific requirements in this Attachment, or incorporate new applicable TMDLs adopted during the term of this General Permit.

Responsible Dischargers shall comply with the applicable TMDL-specific requirements by, and after, the Compliance Deadline date listed in Table H-2.

Table H-1: List of Applicable TMDLs
North Coast Regional Water Quality Control Board (Region 1)

TMDL	Pollutant
Albion River Sediment TMDL	Sediment
Big River Sediment TMDL	Sediment
Eel River – Lower Main Sediment TMDL	Sediment
Eel River – Lower Main Temperature TMDL	Temperature
Eel River – Middle Fork Sediment TMDL	Sediment
Eel River – Middle Main Sediment TMDL	Sediment
Eel River – Middle Main Temperature TMDL	Temperature
Eel River – North Fork Sediment TMDL	Sediment
Eel River – North Fork Temperature TMDL	Temperature
Eel River – South Fork Sediment TMDL	Sediment
Eel River – Upper Main Sediment TMDL	Sediment
Eel River – Upper Main Temperature TMDL	Temperature
Gualala River Sediment TMDL	Sediment
Mad River Sediment TMDL	Sediment
Mattole River Sediment TMDL	Sediment
Mattole River Temperature TMDL	Temperature
Navarro River Sediment TMDL	Sediment
Navarro River Temperature TMDL	Temperature
Noyo River Sediment TMDL	Sediment
Scott River Sediment TMDL	Sediment
Scott River Temperature TMDL	Temperature

TMDL	Pollutant
Ten Mile River Sediment TMDL	Sediment
Trinity River Sediment TMDL	Sediment
Van Duzen River Sediment TMDL	Sediment

San Francisco Bay Regional Water Quality Control Board (Region 2)

TMDL	Pollutant
Lagunitas Creek Sediment TMDL	Sediment
Napa River Sediment TMDL	Sediment
Pescadero and Butano Creek Sediment TMDL	Sediment
Sonoma Creek Sediment TMDL	Sediment

Central Coast Regional Water Quality Control Board (Region 3)

TMDL	Pollutant
Pajaro River Nutrients TMDL	Nitrogen Compounds and Orthophosphate
San Lorenzo River Siltation TMDL	Sediment

Los Angeles Regional Water Quality Control Board (Region 4)

TMDL	Pollutant
Ballona Creek, Ballona Estuary and Sepulveda Channel Bacteria TMDL	Bacteria
Ballona Creek Metals TMDL	Metals
Ballona Creek Estuary Toxics TMDL	Toxics
Calleguas Creek Watershed Salts TMDL	Salts (Boron, Chloride, Sulfate, TDS)
Calleguas Creek Watershed Metals and Selenium TMDL	Metals and Selenium
Calleguas Creek Watershed OC Pesticides and PCBs TMDL	Organochlorine Pesticides and PCBs
Colorado Lagoon Toxics TMDL	Metals, Organochlorine Pesticides, PAHs, PCBs, and Sediment Toxicity
Harbor Beaches of Ventura County Bacteria TMDL	Bacteria
Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL	Bacteria
Los Angeles Area Lakes TMDLs	Mercury, Nitrogen, Organochlorine Pesticides, PCBs, and Phosphorus
Los Angeles and Long Beach Harbor Waters TMDL	Metals and Toxics
Los Angeles Harbor Bacteria TMDL	Bacteria
Los Angeles River Bacteria TMDL	Bacteria
Los Angeles River Metals TMDL	Metals
Los Angeles River Nutrients TMDL	Nutrients
Los Cerritos Channel Metals TMDL	Metals

TMDL	Pollutant
Machado Lake Nutrients TMDL	Nutrients
Machado Lake Toxics TMDL	PCBs and Pesticides
Malibu Creek Bacteria TMDL	Bacteria
Marina del Rey Harbor Bacteria TMDL	Bacteria
Marina Del Rey Harbor Toxics TMDL	Toxics
Oxnard Drain No. 3 TMDL	PCBs, Pesticides, and Sediment Toxicity
San Gabriel River Metals and Selenium TMDL	Metals and Selenium
Santa Clara River Bacteria TMDL	Bacteria
Santa Clara River Nitrogen Compounds TMDL	Nutrients
Santa Clara River Reach 3 Chloride TMDL	Chloride
Santa Monica Bay Beaches Bacteria TMDL	Bacteria
Santa Monica Bay DDTs and PCBs TMDL	DDTs and PCBs
Upper Santa Clara River Chloride TMDL	Chloride
Ventura River Algae TMDL	Nutrients

Lahontan Regional Water Quality Control Board (Region 6)

TMDL	Pollutant
Squaw Creek Sediment TMDL	Sediment
Truckee River Sediment TMDL	Sediment

Santa Ana Regional Water Quality Control Board (Region 8)

TMDL	Pollutant
San Diego Creek and Newport Bay Nutrients TMDL	Nutrients
San Diego Creek and Newport Bay Organochlorine Compounds TMDL	Organochlorine Compounds
San Diego Creek and Newport Bay Sediment TMDL	Sediment
San Diego Creek and Newport Bay Toxics TMDL	Toxics

San Diego Regional Water Quality Control Board (Region 9)

TMDL	Pollutant
Chollas Creek Diazinon TMDL	Diazinon
Chollas Creek Metals TMDL	Metals
Los Peñasquitos Lagoon Sediment TMDL	Sediment

Table H-2: Compliance Table for TMDL Implementation Requirements
North Coast Regional Water Quality Control Board (Region 1) [1]

Responsible dischargers for the TMDLs listed in this table are not subject to additional TMDL-related numeric action levels or numeric effluent limitations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Albion River Sediment TMDL	Albion River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Big River Sediment TMDL	Big River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Eel River – Lower Main Sediment TMDL	Lower Eel River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*

1 Some TMDLs do not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H, Table H-2, the pollutant shall be reported in total concentrations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Eel River – Lower Main Temperature TMDL	Lower Eel River Watershed	Temperature	Comply with General Permit	September 1, 2023*
Eel River – Middle Fork Sediment TMDL	Middle Fork Eel River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Eel River – Middle Main Sediment TMDL	Middle Main Eel River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Eel River – Middle Main Temperature TMDL	Middle Main Eel River Watershed	Temperature	Comply with General Permit	September 1, 2023*
Eel River – North Fork Sediment TMDL	North Fork Eel River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Eel River – North Fork Temperature TMDL	North Fork Eel River Watershed	Temperature	Comply with General Permit	September 1, 2023*
Eel River – South Fork Sediment TMDL	South Fork Eel River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Eel River – Upper Main Sediment TMDL	Upper Eel River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Eel River – Upper Main Temperature TMDL	Upper Eel River Watershed	Temperature	Comply with General Permit	September 1, 2023*
Gualala River Sediment TMDL	Gualala River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Mad River Sediment TMDL	Mad River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Mattole River Sediment TMDL	Mattole River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Mattole River Temperature TMDL	Mattole River Watershed	Temperature	Comply with General Permit	September 1, 2023*
Navarro River Sediment TMDL	Navarra River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Navarro River Temperature TMDL	Navarro River Watershed	Temperature	Comply with General Permit	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Noyo River Sediment TMDL	Noyo River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Scott River Sediment TMDL	Scott River Watershed	Sediment	Comply with General Permit	September 1, 2023*
Scott River Temperature TMDL	Scott River Watershed	Temperature	Comply with General Permit	September 1, 2023*
Ten Mile River Sediment TMDL	Ten Mile River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*
Trinity River Sediment TMDL	Trinity River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Van Duzen River Sediment TMDL	Van Duzen River Watershed	Sediment	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.2 below.	September 1, 2023*

San Francisco Bay Regional Water Quality Control Board (Region 2) [2]

Responsible dischargers for the TMDLs listed in this table are not subject to additional TMDL-related numeric action levels or numeric effluent limitations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Lagunitas Creek Sediment TMDL	Lagunitas Creek Watershed	Sediment	Comply with General Permit	September 1, 2023*
Napa River Sediment TMDL	Napa River Watershed	Sediment	Comply with General Permit	September 1, 2023*
Pescadero and Butano Creek Sediment TMDL	Pescadero-Butano Watershed	Sediment	Comply with General Permit	September 1, 2023*
Sonoma Creek Sediment TMDL	Sonoma Creek Watershed	Sediment	Comply with General Permit	September 1, 2023*

2 Some of the TMDLs did not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H Table H-2, the pollutant should be reported in total concentrations.

Central Coast Regional Water Quality Control Board (Region 3) [3]

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Pajaro River Nutrients TMDL	Pajaro River Watershed	Un-ionized Ammonia	NAL of 0.025 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	July 12, 2041
Pajaro River Nutrients TMDL	Pajaro River Watershed Streams with MUN Beneficial Use	Nitrate-Nitrogen	NAL of 10.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	July 12, 2041

3 Some of the TMDLs did not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H Table H-2, the pollutant should be reported in total concentrations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
Pajaro River Nutrients TMDL	Pajaro River and Pajaro River Estuary Corralitos Creek and Salsipuedes Creek Beach Road Ditch and McGowan Ditch	Nitrate-Nitrogen	NAL of 8.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	July 12, 2041
Pajaro River Nutrients TMDL	Pajaro River and Pajaro River Estuary Corralitos Creek and Salsipuedes Creek Beach Road Ditch and McGowan Ditch	Orthophos-phate-Phosphorus	NAL of 0.3 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	July 12, 2041

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
Pajaro River Nutrients TMDL	Llagas Creek (Downstream of Cheseboro Reservoir), Carnadero Creek, Uvas Creek, and Furlong Creek San Juan Creek and West Branch of San Juan Creek Tequisquita Slough Watsonville Slough, Harkins Slough, Gallighan Slough, and Struve Slough Millers Canal	Nitrate-Nitrogen	NAL of 8.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	July 12, 2041

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
Pajaro River Nutrients TMDL	Llagas Creek (Downstream of Cheseboro Reservoir), Carnadero Creek, Uvas Creek, and Furlong Creek San Juan Creek and West Branch of San Juan Creek Tequisquita Slough Watsonville Slough, Harkins Slough, Gallighan Slough, and Struve Slough Millers Canal	Orthophos-phate-Phosphorus	NAL of 0.3 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	July 12, 2041
San Lorenzo River Siltation TMDL	San Lorenzo River Watershed	Sediment	None	Comply with General Permit	September 1, 2023*

Los Angeles Regional Water Quality Control Board (Region 4) [4]

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL	Ballona Creek	E. coli, Fecal Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL	Ballona Estuary	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL	Sepulveda Channel	E. coli	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*

4 Some of the TMDLs did not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H Table H-2, the pollutant should be reported in total concentrations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Ballona Creek Metals TMDL	Ballona Creek or Sepulveda Canyon Channel	Copper, Lead, and Zinc	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Ballona Creek Estuary Toxics TMDL	Ballona Creek or Ballona Creek Estuary	Cadmium, Chlordane, Copper, DDT, Lead, PCBs, Silver, and Zinc	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Calleguas Creek Watershed Salts TMDL	Calleguas Creek Watershed	Boron, Chloride, Sulfate, and Total Dissolved Solids (TDS)	None	Comply with General Permit	September 1, 2023*
Calleguas Creek Watershed Metals and Selenium TMDL	Calleguas Creek or Conejo Creek	Total Copper	Interim NAL of 0.204 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Calleguas Creek Watershed Metals and Selenium TMDL	Calleguas Creek or Conejo Creek	Copper, Nickel, and Selenium	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Calleguas Creek Watershed Metals and Selenium TMDL	Calleguas Creek or Conejo Creek	Mercury	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Calleguas Creek Watershed Metals and Selenium TMDL	Revolon Slough	Total Copper	Interim NAL of 0.204 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Calleguas Creek Watershed Metals and Selenium TMDL	Revolon Slough	Copper, Nickel, and Selenium	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Calleguas Creek Watershed Metals and Selenium TMDL	Revolon Slough	Mercury	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Calleguas Creek Watershed Organo-chlorine Pesticides and PCBs TMDL	Calleguas Creek Watershed	Chlordane, 4,4-DDD, 4,4-DDE, 4,4-DDT, Dieldrin, PCBs, and Toxaphene	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Colorado Lagoon Toxics TMDL	Colorado Lagoon Watershed	Chlordane, Dieldrin, DDT, Lead, PAHs, PCBs, and Zinc	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Harbor Beaches of Ventura County Bacteria TMDL	Kiddie and Hobie Beaches in the Channel Islands Harbor	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Long Beach City Beaches and Los Angeles River Estuary Bacteria TMDL	Long Beach City Beaches or Los Angeles River Estuary	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Echo Park Lake	Total Nitrogen	NAL of 1.33 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Echo Park Lake	Total Phosphorous	NEL of 0.16 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.4 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Echo Park Lake	Chlordane	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles Area Lakes TMDL	Echo Park Lake	Dieldrin	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Echo Park Lake	Total PCBs	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Legg Lakes	Total Nitrogen	NAL of 1.8 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Legg Lakes	Total Phosphorous	NEL of 0.64 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.4 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles Area Lakes TMDL	Peck Road Park Lake	Total Nitrogen	NAL of 3.61 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Peck Road Park Lake	Total Phosphorous	NEL of 0.37 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.4 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Peck Road Park Lake	Chlordane	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Peck Road Park Lake	Dieldrin	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles Area Lakes TMDL	Peck Road Park Lake	Total DDTs	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Peck Road Park Lake	Total PCBs	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Pudding-stone Reservoir	Total Nitrogen	NAL of 2.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Pudding-stone Reservoir	Total Phosphorous	NEL of 0.4 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.4 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles Area Lakes TMDL	Pudding-stone Reservoir	Chlordane	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Pudding-stone Reservoir	Dieldrin	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Pudding-stone Reservoir	Total DDTs	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*
Los Angeles Area Lakes TMDL	Pudding-stone Reservoir	Total PCBs	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.5 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral	Total Copper	Interim NAL of 0.20751 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral	Total Lead	Interim NAL of 0.12288 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral	Total Zinc	Interim NAL of 0.89887 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral	Total Copper	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.5 and I.G.6 below.	March 23, 2032

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral	Total Lead	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.5 and I.G.6 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral	Total Zinc	NEL of 100 mg/L TSS (if applicable per Section I.G.5 below)	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.5 and I.G.6 below.	March 23, 2032

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary and Greater Los Angeles/ Long Beach Harbor Waters including: Inner and Outer Harbor Main Channel Southwest Slip Cabrillo Marina Inner Cabrillo Beach Los Angeles River Estuary San Pedro Bay	Copper, DDT, Lead, PAHs, PCBs, and Zinc	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	4,4-DDT	Final NAL of $5.9 X10^{-7}$ mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Chlordane	Final NAL of $5.9 X10^{-7}$ mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Dieldrin	Final NAL of $1.4 X10^{-7}$ mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Total Copper	Final NAL of 0.0058 mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Total Lead	Final NAL of 0.221 mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	PAHs	Final NAL of $4.9 X10^{-5}$ mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Total PCBs	Final NAL of $1.7 X10^{-7}$ mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Total Zinc	Final NAL if 0.095 mg/L	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.3 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel Estuary	Cadmium	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	March 23, 2032

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles and Long Beach Harbor Waters TMDL	Consoli-dated Slip	Cadmium, Chromium, and Mercury	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	March 23, 2032
Los Angeles and Long Beach Harbor Waters TMDL	Fish Harbor	Mercury	None	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.2 below.	March 23, 2032
Los Angeles Harbor Bacteria TMDL	Los Angeles Harbor (Inner Cabrillo Beach and Main Ship Channel)	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Los Angeles River Bacteria TMDL	Los Angeles River Watershed	E. coli	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles River Metals TMDL	Los Angeles River Watershed	Total Cadmium	NAL of 0.0031 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Angeles River Metals TMDL	Los Angeles River Watershed	Total Copper	NAL of 0.06749 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Angeles River Metals TMDL	Los Angeles River Watershed	Total Lead	NAL of 0.094 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Angeles River Metals TMDL	Los Angeles River Watershed	Total Zinc	NAL of 0.159 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles River Nutrients TMDL	Los Angeles River above the LA-Glendale WRP	Ammonia	NAL of 4.7 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles River Nutrients TMDL	Los Angeles River below the LA-Glendale WRP	Ammonia	NAL of 8.7 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles River Nutrients TMDL	Los Angeles River Watershed	Ammonia	NAL of 10.1 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles River Nutrients TMDL	Los Angeles River Watershed	Nitrate-Nitrogen	NAL of 8.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Angeles River Nutrients TMDL	Los Angeles River Watershed	Nitrite-Nitrogen	NAL of 1.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Angeles River Nutrients TMDL	Los Angeles River Watershed	Nitrate-Nitrogen + Nitrite-Nitrogen	NAL of 8.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Los Cerritos Channel Metals TMDL	Los Cerritos Channel	Total Copper	NAL of 0.0098 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Los Cerritos Channel Metals TMDL	Los Cerritos Channel	Total Lead	NAL of 0.0558 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Cerritos Channel Metals TMDL	Los Cerritos Channel	Total Zinc	NAL of 0.0956 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Machado Lake Nutrients TMDL	Machado Lake, Drain 553, Wilmington Drain, Project 77/510, and Walteria Lake	Total Nitrogen	NAL of 1.0 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Machado Lake Nutrients TMDL	Machado Lake, Drain 553, Wilmington Drain, Project 77/510, and Walteria Lake	Total Phosphorus	NAL of 0.1 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Machado Lake Toxics TMDL	Machado Lake, Drain 553, Wilmington Drain, Project 77/510, and Walteria Lake	Chlordane, DDD (all cogeners), DDE (all cogeners), DDT (all cogeners), Dieldrin, Total DDTs, and Total PCBs	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Malibu Creek Watershed Bacteria TMDL	Malibu Creek Watershed	E. coli	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Malibu Creek Watershed Bacteria TMDL	Malibu Lagoon and Adjacent Beach	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Marina del Rey Harbor Bacteria TMDL	Marina del Rey Harbor Mother's Beach and Back Basins D, E, and F	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Marina del Rey Harbor Toxics TMDL	Marina del Rey Harbor	Chlordane, Copper, Lead, p,p'-DDE, Total DDTs, Total PCBs, and Zinc	None	Comply with General Permit and the additional Metals and Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Oxnard Drain No. 3 TMDL	Oxnard Drain No. 3	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Bifenthrin, Chlordane, Chlorpyrifos, Dieldrin, PCBs, Sediment Toxicity, and Toxaphene	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
San Gabriel River Metals and Selenium	San Gabriel River Reach 2 and Upper Reaches Watersheds	Total Lead	NAL 0.166 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Gabriel River Metals and Selenium	Coyote Creek Watershed	Total Copper	NAL 0.027 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Gabriel River Metals and Selenium	Coyote Creek Watershed	Total Lead	NAL 0.106 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Gabriel River Metals and Selenium	Coyote Creek Watershed	Total Zinc	NAL 0.158 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Santa Clara River Bacteria	Santa Clara River Estuary	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Santa Clara River Bacteria	Santa Clara River Reaches 3, 4, 5, 6, 7	E. coli	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Santa Clara River Nitrogen Com-pounds TMDL	Santa Clara River Reach 3	Ammonia	NAL of 4.2 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Santa Clara River Nitrogen Com-pounds TMDL	Santa Clara River Reach 7	Ammonia	NAL of 5.2 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Santa Clara River Reach 3 Chloride TMDL	Santa Clara River Reach 3	Chloride	None	Comply with General Permit	September 1, 2023*
Santa Monica Bay Beaches Bacteria TMDL	Santa Monica Bay Watershed Manage-ment Area	Enterococcus, Fecal Coliform, Total Coliform	None	Comply with General Permit and the additional Bacteria TMDL Requirements in Section I.A below.	September 1, 2023*
Santa Monica Bay DDTs and PCBs TMDL	Santa Monica Bay	DDT and PCBs	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
Upper Santa Clara River Chloride TMDL	Santa Clara River Reach 5 and 6	Chloride	Chloride NAL of 100 mg/L	Comply with General Permit and the additional TMDL Requirements in Section I.B below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Ventura River Algae TMDL	Ventura River Estuary and Ventura River Reach 1	Total Nitrogen	NAL of 7.4 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Ventura River Algae TMDL	Ventura River Reach 2 and Cañada Larga	Nitrate-Nitrogen + Nitrite-Nitrogen	NAL of 10 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*
Ventura River Algae TMDL	Ventura River Reaches 3, 4, 5, and San Antonio Creek	Nitrate-Nitrogen + Nitrite-Nitrogen	NAL of 5 mg/L	Comply with General Permit and the additional Nutrients TMDL Requirements in Section I.D.3 below.	September 1, 2023*

Lahontan Regional Water Quality Control Board (Region 6) [5]

TMDL	Applicable Water Body/ Watershed	Pollutants	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Squaw Creek Sediment TMDL	Squaw Creek Watershed	Sediment	Comply with General Permit	September 1, 2023*
Truckee River Sediment TMDL	Middle Truckee River Watershed	Sediment	Comply with General Permit	September 1, 2023*

5 Some of the TMDLs did not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H Table H-2, the pollutant should be reported in total concentrations.

Santa Ana Regional Water Quality Control Board (Region 8) [6]

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
San Diego Creek and Newport Bay Nutrients TMDL	San Diego Creek, Newport Bay Watershed	Total Phosphorus	None	Comply with General Permit and the additional TMDL Requirements in Section I.D.2 below.	September 1, 2023*
San Diego Creek and Newport Bay Organo-chlorine Compounds TMDL	San Diego Creek Watershed	Total DDT and Toxaphene	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
San Diego Creek and Newport Bay Organo-chlorine Compounds TMDL	Upper Newport Bay	Chlordane, Total DDT, and Total PCBs	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*

6 Some of the TMDLs did not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H Table H-2, the pollutant should be reported in total concentrations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
San Diego Creek and Newport Bay Organo-chlorine Compounds TMDL	Lower Newport Bay	Chlordane, Total DDT, and Total PCBs	None	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.2 below.	September 1, 2023*
San Diego Creek and Newport Bay Sediment TMDL	Newport Bay/San Diego Creek Watershed	Sediment	None	Comply with General Permit	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	San Diego Creek Watershed	Total Cadmium	NAL of 0.0097 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	San Diego Creek Watershed	Total Copper	NAL of 0.027 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
San Diego Creek and Newport Bay Toxics TMDL	San Diego Creek Watershed	Total Lead	NAL of 0.194 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	San Diego Creek Watershed	Total Zinc	NAL of 0.21 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	Upper Newport Bay	Total Cadmium	NAL of 0.042 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	Upper Newport Bay	Total Copper	NAL of 0.00578 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
San Diego Creek and Newport Bay Toxics TMDL	Upper Newport Bay	Total Lead	NAL of 0.221 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	Upper Newport Bay	Total Zinc	NAL of 0.095 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	Lower Newport Bay, Bay Segments (including Costa Mesa Channel and Santa Ana Delhi Channel), and Rhine Channel Area	Total Copper	NAL of 0.00578 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline ** Denotes Effective Date of this General Permit*
San Diego Creek and Newport Bay Toxics TMDL	Lower Newport Bay, Bay Segments (including Costa Mesa Channel and Santa Ana Delhi Channel), and Rhine Channel Area	Total Lead	NAL of 0.221 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*
San Diego Creek and Newport Bay Toxics TMDL	Lower Newport Bay, Bay Segments (including Costa Mesa Channel and Santa Ana Delhi Channel), and Rhine Channel Area	Total Zinc	NAL of 0.095 mg/L	Comply with General Permit and the additional Metals TMDL Requirements in Section I.G.3 below.	September 1, 2023*

San Diego Regional Water Quality Control Board (Region 9) [7]

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Chollas Creek Diazinon TMDL	Chollas Creek Watershed	Diazinon	None	Comply with General Permit and the use of Diazinon at the site is prohibited.	September 1, 2023*
Chollas Creek Metal TMDL	Chollas Creek	Dissolved Copper	Interim NAL of 0.083 mg/L	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Chollas Creek Metal TMDL	Chollas Creek	Dissolved Lead	Interim NAL of 0.068 mg/L	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.3 below.	September 1, 2023*

7 Some of the TMDLs did not specifically state total concentrations for the constituents. Unless otherwise stated in Attachment H Table H-2, the pollutant should be reported in total concentrations.

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline *Denotes Effective Date of this General Permit
Chollas Creek Metal TMDL	Chollas Creek	Dissolved Zinc	Interim NAL of 0.175 mg/L	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.3 below.	September 1, 2023*
Chollas Creek Metal TMDL	Chollas Creek	Dissolved Copper	Final NEL of 0.083 mg/L	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.4 below.	October 22, 2028
Chollas Creek Metal TMDL	Chollas Creek	Dissolved Lead	Final NEL of 0.068 mg/L	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.4 below.	October 22, 2028
Chollas Creek Metal TMDL	Chollas Creek	Dissolved Zinc	Final NEL of 0.175 mg/L	Comply with General Permit and the additional Toxics TMDL Requirements in Section I.G.4 below.	October 22, 2028

TMDL	Applicable Water Body/ Watershed	Pollutants	Additional TMDL-Related Numeric Action Level(s) or Numeric Effluent Limitation(s) (NAL/NEL)	Compliance Actions	Compliance Deadline * *Denotes Effective Date of this General Permit*
Los Peñasquitos Lagoon Sediment TMDL	Los Peñasquitos Lagoon Watershed	Sediment	None	Comply with General Permit and the additional Sediment TMDL Requirements in Section I.E.3 below.	July 14, 2034

I. TOTAL MAXIMUM DAILY LOAD (TMDL) IMPLEMENTATION REQUIREMENTS

This Section contains the TMDL-specific requirements that Responsible Dischargers shall implement to comply with applicable TMDLs by the TMDL Compliance Deadline provided in Table H-2. The requirements in this Section are listed in order of pollutant category, whereas Table H-2 is organized by Regional Water Board jurisdiction and watershed. The terms including, but not limited to, Responsible Discharger, numeric action levels and exceedances, and numeric effluent limitations and exceedances, are defined in Attachment B, Glossary, of this General Permit.

I.A. Bacteria TMDL Implementation Requirements

I.A.1. Compliance with General Permit

All Responsible Dischargers for the Bacteria TMDLs listed in Table H-2 shall comply with the requirements of this General Permit.

I.A.2. Bacteria TMDL BMPs

I.A.2.a. Minimum BMPs

I.A.2.a.i. The Responsible Discharger that identifies on-site sources of indicator bacteria in their pollutant source assessment shall implement BMPs specific to preventing or controlling stormwater exposure to indicator bacteria in addition to complying with this General Permit's requirements. The minimum bacteria source control BMPs include the following:

1. Qualified SWPPP Practitioner-conducted training for construction site staff; and
2. Routine housekeeping and sanitary waste management of identified sources of bacteria (e.g., portable toilets, dumpsters, etc.).

I.A.2.b. Structural BMPs

The Responsible Discharger shall evaluate and implement any necessary structural BMPs designed for retention, infiltration, or diversion of stormwater when the implemented minimum BMPs are inadequate to reduce bacteria loading to receiving waters.

I.A.2.c. The Responsible Discharger shall ensure all BMPs are implemented and address Bacteria TMDL requirements. The BMPs shall be visually inspected, maintained, repaired, and kept updated in the SWPPP in accordance with General Permit requirements specified in the Order and applicable requirements in Attachments D or Attachment E (per project Risk or Type.

I.B. Chloride and Salts TMDL Implementation Requirements

I.B.1. Compliance with this General Permit

All Responsible Dischargers for the Chloride and Salts TMDLs listed in Table H-2 shall comply with the requirements of this General Permit. Compliance with the requirements of this General Permit is consistent with the requirements and assumptions of the Chloride and Salts TMDL(s), unless specified below.

I.B.2. Numeric Action Level

I.B.2.a. The Responsible Discharger shall implement BMPs to address chloride and salts and prevent exceedances of the applicable numeric action levels to the extent possible. The BMPs shall be visually inspected, maintained, repaired, and updated in the SWPPP in accordance with this General Permit's requirements specified in the Order and applicable requirements in Attachments D or E for the site's Risk or Type.

I.B.2.b. The Responsible Discharger shall conduct non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the TMDL-specific pollutant may be discharged due to a failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

I.B.2.c. The Responsible Discharger shall compare the non-visible pollutant monitoring analytical results to the applicable numeric action level(s) in Table H-2.

I.B.2.d. The Responsible Discharger shall certify and submit all analytical results in SMARTS within 30 days of receiving the results, or within 10 days of receiving results above an applicable numeric action level.

I.B.2.e. A TMDL-related numeric action level exceedance occurs on the second, and each subsequent, analytical result for samples taken from any and all discharge location(s) within the same drainage area, during the same reporting year and taken in accordance with Attachment D or E Section III.D.3, that is above the concentration set forth in the applicable numeric action level. A numeric action level exceedance is not a violation of this General Permit; however, it is a violation when the discharger fails to report and respond to the numeric action level exceedance(s).

I.B.2.f. The Regional Water Boards may assign additional monitoring, reporting, and BMP requirements upon obtaining site-specific information, including information about numeric action level exceedance(s).

I.C. Diazinon TMDL Implementation Requirements

I.C.1. Compliance with this General Permit

All Responsible Dischargers for the Diazinon TMDLs listed in Table H-2 shall comply with the requirements of this General Permit. Compliance with the requirements of this General Permit is consistent with the requirements and

assumptions of the TMDL. The use of diazinon has been banned for non-agricultural use by the California Department of Pesticide Regulation and the use is prohibited at construction sites.

I.D. Nutrient TMDL Implementation Requirements

I.D.1. Compliance with this General Permit

All Responsible Dischargers for the Nutrient TMDLs listed in Table H-2 shall comply with the requirements of this General Permit.

I.D.2. Erosion and Sediment Control and RUSLE2[8] Modeling

I.D.2.a A Responsible Discharger that identifies on-site sources of nutrients in their pollutant source assessment and that were assigned a mass-based waste load allocation in an applicable Nutrient TMDL(s),[9] shall address the TMDL through the following in addition to complying with this General Permit:

i. Comply with the site-specific erosion and sediment control, post-construction, and all other requirements in this General Permit;

ii. Install erosion and sediment controls that will result in predicted erosion rates that are equal to pre-construction conditions (e.g., undisturbed vegetation for the area) for each phase of the construction project; and

iii. Use RUSLE2 modeling to calculate the predicted soil losses and sediment delivery rates when selecting temporary BMPs and controls to be applied during each phase of the project. The RUSLE2 modeling included in the SWPPP shall include:

1. Appropriate climatic variables, soil types, and slope topography for the area disturbed; and

2. Calculated soil loss and sediment delivery rates for the selected BMPs and controls equal to, or less than, the soil loss and sediment delivery rates for pre-construction conditions during each phase of the construction project.

I.D.3. Numeric Action Level

I.D.3.a. The Responsible Discharger shall implement BMPs to address nutrients listed in the TMDL and prevent exceedances of the applicable numeric action levels to the extent possible. The BMPs shall be visually inspected, maintained, repaired, and updated in the SWPPP in accordance with this General Permit's

8 Revised Universal Soil Loss Equation, Version 2

9 Table H-2 specifies this section in the Compliance Action column for these TMDLs.

requirements specified in the Order and applicable requirements in Attachments D or E for the site's Risk or Type.

I.D.3.b. The Responsible Discharger shall conduct non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the TMDL-specific pollutant may be discharged due to a failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

I.D.3.c. The Responsible Discharger shall compare the non-visible pollutant monitoring analytical results to the applicable numeric action level(s) in Table H-2.

I.D.3.d. The Responsible Discharger shall certify and submit all analytical results in SMARTS within 30 days of receiving the results, or within 10 days of receiving results above an applicable numeric action level.

I.D.3.e. A TMDL-related numeric action level exceedance occurs on the second, and each subsequent, analytical result for samples taken from any and all discharge location(s) within the same drainage area, during the same reporting year and taken in accordance with Attachment D or E Section III.D.3, that is above the concentration set forth in the applicable numeric action level. A numeric action level exceedance is not a violation of this General Permit; however, it is a violation when the discharger fails to report and respond to the numeric action level exceedance(s).

I.D.3.f. The Regional Water Boards may assign additional monitoring, reporting, and BMP requirements upon obtaining site-specific information, including information about the numeric action level exceedance(s).

I.D.4. Numeric Effluent Limitation

I.D.4.a. The Responsible Discharger shall implement BMPs to address nutrients and prevent exceedances of the applicable numeric effluent limitations. The BMPs shall be visually inspected, maintained, repaired, and updated in the SWPPP in accordance with this General Permit's requirements specified in the Order and applicable requirements in Attachments D or E for the site's Risk or Type.

I.D.4.b. The Responsible Discharger shall conduct non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the TMDL-specific pollutant may be discharged due to a failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

I.D.4.c. The Responsible Discharger shall compare the non-visible pollutant monitoring analytical results to the applicable numeric effluent limitation(s) in Table H-2.

I.D.4.d. The Responsible Discharger shall certify and submit the analytical results in SMARTS within 30 days of receiving the results, or within 10 days of receiving results above an applicable numeric effluent limitation.

I.D.4.e. A TMDL-related numeric effluent limitation exceedance occurs on the second, and each subsequent, analytical result for samples taken from any and all discharge location(s) within the same drainage area, during the same reporting year and taken in accordance with Attachment D or E Section III.D.3, that is above the concentration set forth in the applicable numeric effluent limitation. Upon exceedance of the applicable numeric effluent limitation, the Responsible Discharger shall comply with the Water Quality Based Corrective Actions in Section VI.Q of this General Permit's Order. A numeric effluent limitation exceedance is a violation of this General Permit and is subject to mandatory minimum penalties.

I.D.4.f. The Regional Water Boards may assign additional monitoring, reporting, and BMP requirements upon obtaining site-specific information, including information about exceedances of the numeric effluent limitation(s).

I.E. Sediment TMDL Implementation Requirements

I.E.1. Compliance with this General Permit

All Responsible Dischargers for the Sediment TMDLs listed in Table H-2 are to comply with the requirements of this General Permit. Compliance with the requirements of this General Permit is consistent with the requirements and assumptions of the Sediment TMDLs, unless specified below.

I.E.2. Erosion and Sediment Control BMPs and RUSLE2 Modeling

I.E.2.a. A Responsible Discharger assigned a mass-based sediment waste load allocation for sediment shall address the TMDL through the following in addition to complying with this General Permit:

I.E.2.a.i. Comply with the site-specific erosion and sediment control, post-construction, and all other requirements in this General Permit; and

I.E.2.a.ii. Use RUSLE2 modeling to calculate the predicted soil losses and sediment delivery rates when selecting temporary BMPs and controls to be applied during each phase of the project. The RUSLE2 modeling included in the SWPPP shall include:

1. Appropriate climatic variables, soil types, and slope topography for the area disturbed; and
2. Calculated soil loss and sediment delivery rates for the selected BMPs and controls equal to, or less than, the soil loss and sediment delivery rates for pre-construction conditions during each phase of the construction project.

I.E.2.a.iii. A Responsible Discharger that is assigned a mass-based sediment waste load allocation of zero (0),[10] shall install erosion and sediment controls that will result in predicted erosion rates that are as protective as pre-construction conditions (e.g., undisturbed vegetation for the area). The calculated RUSLE2 soil loss and sediment delivery rates for the selected BMPs and controls shall be equal to, or less than, the soil loss and sediment delivery rates for pre-construction conditions during each phase of the construction project.

I.E.2.a.iv. A Responsible Discharger that is assigned a site-specific mass-based sediment waste load allocation,[11] shall install erosion and sediment controls that will result in predicted erosion rates that are equal to or less than the site-specific allocation for sediment loading. The calculated RUSLE2 soil loss and sediment delivery rates for the selected BMPs and controls shall be equal to, or less than, the site-specific mass-based sediment waste load allocation. The Responsible Discharger is required to calculate their site-specific mass-based sediment waste load allocation by multiplying the construction site's area by the water body's applicable load allocation, provided in Table H-3.

Table H-3: TMDL Watersheds with Site-Specific Mass-Based Sediment Waste Load Allocations[12]

TMDL Watershed	Waste Load Allocation (tons/mi^2/yr)
Lower Eel River Watershed (Road, Episodic)[13]	9
Lower Eel River Watershed (Road, Chronic)	17
Lower Eel River Watershed (Bank Erosion)	6
Middle Fork Eel River – Black Butte Subwatershed	7
Middle Fork Eel River – Elk Creek Subwatershed	41
Middle Fork Eel River – Round Valley Subwatershed	9
Middle Fork Eel River – Upper Middle Fork Subwatershed	9
Middle Fork Eel River – Williams/Thatcher Subwatershed	19
Middle Fork Eel River Watershed	23
Upper Main Eel River Watershed (Large Features >3,000 yds^3)	36
Upper Main Eel River Watershed (Road Related – Small Features)	14
Mad River Watershed (Roads)	174

10 Table H-2 specifies this section in the Compliance Action column for these TMDLs.

11 Table H-2 specifies this section in the Compliance Action column for these TMDLs.

12 More information for specific TMDL watersheds and site-specific mass-based sediment TMDLs can be found in Section W.6.e of this General Permit's Fact Sheet.

13 Some waste load allocations may only apply to certain projects (e.g., roads, along banks, small or large features). Waste load allocations that only apply to certain projects are noted in parentheticals.

TMDL Watershed	Waste Load Allocation (tons/mi^2/yr)
Scott River Watershed (Roads and Small Streamside Features)	69
Trinity River – Upper Area Reference Subwatersheds[14]	281
Trinity River – Westside Tributaries Subwatershed	105
Trinity River – Upper Trinity Subwatershed	690
Trinity River – East Fork Tributaries Subwatershed	65
Trinity River – Eastside Tributaries Subwatershed	60
Trinity River – Weaver and Rush Creeks Subwatershed	169
Trinity River – Deadwood Creek, Hoadley Gulch, and Poker Bar Area Subwatershed	68
Trinity River – Lewiston Lake Area Subwatershed	49
Trinity River – Grass Valley Creek Subwatershed	44
Trinity River – Indian Creek Subwatershed	81
Trinity River – Reading and Browns Creek Subwatershed	66
Trinity River – Lower Middle Area Reference Subwatersheds[15]	24
Trinity River – Canyon Creek Subwatershed	326
Trinity River – Upper Tributaries Subwatershed	67
Trinity River – Middle Tributaries Subwatershed	53
Trinity River – Lower Tributaries Subwatershed	55
Trinity River – Lower Area Reference Subwatersheds[16]	528
Trinity River – Mill Creek and Tish Tang Subwatershed	210
Trinity River – Willow Creek Subwatershed	94
Trinity River – Campbell Creek and Supply Creek Subwatershed	1961
Trinity River – Lower Mainstem Area and Coon Creek Subwatershed	63

I.E.3. Los Peñasquitos Lagoon Sediment TMDL

I.E.3.a. All Responsible Dischargers for the Los Peñasquitos Lagoon Sediment TMDL shall provide an estimate of the representative flow rate of discharge from the construction project for at least one precipitation event each reporting year, in addition to complying with this General Permit.

I.E.3.b. The Responsible Discharger shall submit the representative flow estimate as a PDF attachment to the Annual Report (due in SMARTS no later than September 1 of each year).

14 Stuarts Fork, Swift Creek, and Coffee Creek

15 New River, Big French, Manzanita, North Fork, East Fork, North Fork

16 Horse Linto Creek

I.F. Temperature TMDL Implementation Requirements

I.F.1. Compliance with this General Permit

All Responsible Dischargers for the Temperature TMDLs listed in Table H-2 shall comply with the requirements of this General Permit. Compliance with this General Permit is consistent with the requirements and assumptions of the North Coast Temperature TMDL Implementation Policy and no additional requirements are incorporated into this General Permit to implement Temperature TMDLs listed in Table H-2.

I.G. Metals and Toxics TMDL Implementation Requirements

I.G.1. Compliance with this General Permit

All Responsible Dischargers for the Metals or Toxics TMDLs listed in Table H-2 shall comply with the requirements of this General Permit. Compliance with the requirements of this General Permit is consistent with the requirements and assumptions of the Metals or Toxics TMDLs, unless specified below.

I.G.2. Erosion and Sediment Control BMPs and RUSLE2 Modeling

I.G.2.a. A Responsible Discharger that identifies on-site sources of metals or toxics in their pollutant source assessment and are assigned a mass-based waste load allocation, shall address the TMDL through the following in addition to complying with this General Permit:

i. Comply with the site-specific erosion and sediment control, post-construction, and all other requirements in this General Permit;

ii. Install erosion and sediment controls that will result in predicted erosion rates that are as protective as pre-construction conditions (e.g., undisturbed vegetation for the area) for each phase of the construction project; and

iii. Use RUSLE2 modeling to calculate the predicted soil losses and sediment delivery rates when selecting temporary BMPs and controls to be applied during each phase of the project. The RUSLE2 modeling included in the SWPPP shall include:

1. Appropriate climatic variables, soil types, and slope topography for the area disturbed; and

2. Calculated soil loss and sediment delivery rates for the selected BMPs and controls equal to, or less than, the soil loss and sediment delivery rates for pre-construction conditions during each phase of the construction project.

I.G.3. Numeric Action Level

I.G.3.a. The Responsible Discharger shall implement BMPs to address the metals or toxics listed in the TMDL and prevent exceedances of the applicable numeric

action levels to the extent possible. The BMPs shall be visually inspected, maintained, repaired, and updated in the SWPPP in accordance with this General Permit's requirements specified in the Order and applicable requirements in Attachments D or E for the site's Risk or Type.

I.G.3.b. The Responsible Discharger shall conduct non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the TMDL-specific pollutant may be discharged due to a failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

I.G.3.c. The Responsible Discharger shall compare the non-visible pollutant monitoring analytical results to the applicable numeric action level(s) in Table H-2. The Responsible Discharger may provide the Water Boards adequate information demonstrating that it is infeasible to analyze the samples for compliance with a numeric action level using an ELAP-accredited laboratory for methods compliant with 40 Code of Federal Regulations Part 136. The Water Boards will specify the appropriate monitoring methods to determine compliance if it is demonstrated that it is infeasible to analyze samples for compliance with a numeric effluent limitation.

I.G.3.d. The Responsible Discharger shall certify and submit all analytical results in SMARTS within 30 days of receiving the results, or within 10 days of receiving results above an applicable numeric action level.

I.G.3.e. A TMDL-related numeric action level exceedance occurs on the second, and each subsequent, analytical result for samples taken from any and all discharge location(s) within the same drainage area, during the same reporting year and taken in accordance with Attachment D or E Section III.D.3, that is above the concentration set forth in the applicable numeric action level. A numeric action level exceedance is not a violation of this General Permit; however, it is a violation when the discharger fails to report and respond to the numeric action level exceedance(s).

I.G.3.f. The Regional Water Boards may assign additional monitoring, reporting, and BMP requirements upon obtaining site-specific information, including information about the numeric action level exceedance(s).

I.G.4. Numeric Effluent Limitation

I.G.4.a. The Responsible Discharger shall implement BMPs to address the metals or toxics listed in the TMDL and prevent exceedances of the applicable numeric effluent limitations. The BMPs shall be visually inspected, maintained, repaired, and updated in the SWPPP in accordance with this General Permit's requirements specified in the Order and applicable requirements in Attachments D or E for the site's Risk Level or Type.

I.G.4.b. The Responsible Discharger shall conduct non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the TMDL specific pollutant

may be discharged due to a failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

I.G.4.c. The Responsible Discharger shall compare the non-visible pollutant monitoring analytical results to the applicable numeric effluent limitation(s) in Table H-2. The Responsible Discharger may provide the Water Boards information demonstrating that it is infeasible to analyze the samples for compliance with a numeric effluent limitation using an ELAP-accredited laboratory for methods compliant with 40 Code of Federal Regulations Part 136. The Water Boards will specify the appropriate monitoring methods to determine compliance if it is demonstrated that it is infeasible to analyze samples for compliance with a numeric effluent limitation. See the TMDL-related soil screening investigation and associated total suspended solids (TSS) numeric effluent limitations for the Los Angeles Area Lakes TMDL and the Los Angeles and Long Beach Harbor Waters TMDL in Section I.G.5 below, if applicable.

I.G.4.d. The Responsible Discharger shall certify and submit the analytical results in SMARTS within 30 days of receiving the results, or within 10 days of receiving results above an applicable numeric effluent limitation.

I.G.4.e. A TMDL-related numeric effluent limitation exceedance occurs on the second, and each subsequent, analytical result for samples taken from any and all discharge location(s) within the same drainage area, during the same reporting year and taken in accordance with Attachment D or E Section III.D.3, that is above the concentration set forth in the applicable numeric effluent limitation. Upon exceedance of the applicable numeric effluent limitation, the Responsible Discharger shall comply with the Water Quality Based Corrective Actions in Section VI.Q of this General Permit's Order. A numeric effluent limitation exceedance is a violation of this General Permit and is subject to mandatory minimum penalties.

I.G.4.f. The Regional Water Boards may assign additional monitoring, reporting, and BMP requirements upon obtaining site-specific information, including information about exceedances of the numeric effluent limitation(s).

I.G.5. TMDL-related Soil Screening Investigation and Associated TSS Numeric Effluent Limitations

I.G.5.a. To comply with the Los Angeles Area Lakes TMDL for chlordane, DDT, dieldrin, and PCBs and, beginning March 23, 2032, the Los Angeles and Long Beach Harbor Waters TMDL for copper, lead, and zinc, dischargers that discharge to: 1) Peck Road Park Lake, Echo Park Lake, or Puddingstone Reservoir; or 2) Dominguez Channel or Torrance Lateral Channel shall use the following soil screening investigation as part of their pollutant source assessment and comply with the numeric effluent limitation for TSS, if applicable. As set forth in Order, Section VI.O.4, this General Permit may be reopened prior to March 23, 2032,

to revise the requirements implementing the Los Angeles and Long Beach Harbor Waters TMDL for copper, lead, and zinc. As set forth in Order, Section VI.O.5, this General Permit may be reopened to revise the requirements implementing the Los Angeles Lakes TMDL for chlordane, DDT, dieldrin, and PCBs at a publicly noticed Board meeting.

I.G.5.a.i. The discharger shall conduct a soil screening investigation as part of the pollutant source assessment, prior to initiation of land disturbance activities at the site, to determine whether subsequent numeric effluent limitation sampling is required. The soil screening investigation shall be conducted by, or under the direction of, a California Professional Engineer (PE), California Professional Geologist (PG), or Qualified SWPPP Developer (QSD).

I.G.5.a.ii. Soil Sampling Locations[17]

I.G.5.a.ii.1. The discharger shall determine sampling plots by graphically applying a sampling grid with perpendicular line intersections to a map or other representation of the entire parcel or construction site. Each plot or block of the grid overlay must be sized in accordance with the scale specifications in Table H-4 below.

Table H-4: Soil Sampling Plot Specifications

Total Parcel or Site Area	>1 to 5 acres	>5 to 20 acres	>20 acres
Sampling Grid Scale	One-quarter acre	One-half acre	One acre

I.G.5.a.ii.2. The discharger shall collect at least one soil sample from a randomly selected location within each sampling plot. To ensure randomness, each plot shall be further divided into nine equal subsections, each assigned a unique number from one to nine. The discharger shall use a random number generator to select which subsection will be sampled; the soil sample location may be anywhere within the selected subsection.

I.G.5.a.iii. Soil Sample Collection

I.G.5.a.iii.1. The discharger may utilize hand sampling methods or devices such as mechanical or hydraulic earth drills to collect soil samples. Hand methods may be economically preferable as the required soil sample depths are less than two feet.

I.G.5.a.iii.2. The discharger shall obtain a three-point composite sample of in-situ soil, consisting of roughly equal volumes from 6 inches, 12 inches, and 18 inches

17 The sampling protocol was modified from United States Environmental Protection Agency "Superfund Soil Screening Guidance" and United States Department of Agriculture and Natural Resource Conservation Service "Sampling Soils for Nutrient Management".

below surface at each soil sample location. The listed depths are the 'start depths' or 'top depths' for each composite portion. Soil samples shall be obtained from below the grass or forb root zone if present. The total quantity of each soil sample shall be approximately 20 cubic inches of volume, or one pound (0.5 kilograms) by weight.

I.G.5.a.iii.3. The discharger shall immediately seal brass or acrylic sampling tubes sealed with Teflon™ squares and plastic caps. Otherwise, soil samples shall be placed in 500 milliliter glass jars with tightly sealable caps.

I.G.5.a.iii.4. The discharger shall label each soil sample with a unique identifier, the address or location of the site, the name of the person that collected the sample, and the collection date.

I.G.5.a.iii.5. The Responsible Discharger shall maintain soil samples at a temperature of 4°Celsius until delivered to an ELAP-accredited analytical laboratory under chain-of-custody for analysis.

I.G.5.a.iv. Soil Sample Analysis

I.G.5.a.iv.1. For total copper, total lead, and total zinc, the discharger shall use EPA method 6010D, 6020B, or a comparable method validated for the analysis of metals in soil samples. For chlordane, DDT, and dieldrin, the discharger shall use EPA method 8081B or a comparable method validated for the analysis of chlordane, DDT, and dieldrin in soil samples. For PCBs, the discharger shall use EPA method 8082A or a comparable method validated for the analysis of PCBs in soil samples.

I.G.5.a.iv.2. The laboratory report must include the reporting limit for each analyte.

I.G.5.a.v. Soil Sample Reporting

The discharger shall submit soil sample analytical results via SMARTS prior to initiation of land disturbance activities.

I.G.5.a.vi. TSS Numeric Effluent Limitation

I.G.5.a.vi.1. If all soil sample analysis results for each applicable TMDL analyte are below their respective analytical reporting limits, the discharger is not considered a Responsible Discharger and does not have to sample for the TMDL-specific pollutant(s) under the non-visible pollutant monitoring requirements in Attachments D or E Section III.D.3, of this General Permit.

I.G.5.a.vi.2. If one or more of the specified TMDL analytes are measured above the respective analytical reporting limits, the discharger is considered a Responsible Discharger and shall:

a. Implement sediment control BMPs that are effective at removing the applicable TMDL-specific pollutant, such as, but not limited to, media filter socks or fiber rolls, advanced silt fencing, and sedimentation

basins. The BMPs shall be visually inspected, maintained, repaired, and updated in the SWPPP in accordance with this General Permit's requirements specified in the Order and applicable requirements in Attachments D or E for the site's Risk Level or Type.

b. Comply with a TSS numeric effluent limitation of 100 mg/L, as follows:

i. Collect samples for TSS following the same procedure as non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the TMDL-specific pollutants may be discharged due to failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

ii. Analyze the collected samples using the current version of Standard Method 2540 D.

iii. Compare the analytical results to a numeric effluent limitation of 100 mg/L of TSS[18], as the applicable limitation for each of the applicable TMDL-specific pollutants identified in the soil screening investigation process described above.

iv. Certify and submit the analytical results in SMARTS within 30 days of receiving the results or within 10 days of receiving results above the numeric effluent limitation for TSS.

I.G.5.a.vi.3. A TMDL-related numeric effluent limitation exceedance occurs on the second, and each subsequent, analytical result for samples taken from any and all discharge location(s) within the same drainage area, during the same reporting year and taken in accordance with Attachment D or E Section III.D.3, that is above the concentration set forth in the numeric effluent limitation. For the second and each subsequent analytical result that is above the TSS numeric effluent limitation, the exceedance shall apply to every TMDL-specific pollutant identified in the soil screening investigation process, regardless of any results from the informational monitoring described in I.G.6 below. Upon exceedance of the numeric effluent limitation, the Responsible Discharger shall comply with the Water Quality Based Corrective Actions in Section VI.Q of this General Permit's Order. A

[18] Nasrabadi T, Ruegner H, Schwientek M, Bennett J, Fazel Valipour S, Grathwohl P (2018) "Bulk metal concentrations versus total suspended solids in rivers: Time-invariant & catchment-specific relationships."

Washington Department of Ecology (2004) "A Total Maximum Daily Load Evaluation for Chlorinated Pesticides and PCBs in the Walla Walla River."

Angela Gorgoglione, Fabián A. Bombardelli, Bruno J. L. Pitton, Lorence R. Oki, Darren L. Haver and Thomas M. Young (2018), "Role of Sediments in Insecticide Runoff from Urban Surfaces: Analysis and Modeling."

numeric effluent limitation exceedance is a violation of this General Permit and is subject to mandatory minimum penalties.

I.G.5.a.vi.4. The Regional Water Boards may require additional monitoring, reporting, and BMP requirements upon obtaining site-specific information, including information about exceedances of the numeric effluent limitation.

I.G.6. Water Quality Sampling for Los Angeles and Long Beach Harbor Waters Metals TMDL starting March 23, 2032

This General Permit implements TSS numeric effluent limitations as a surrogate for limiting discharges of sediment-bound total copper, total lead, and total zinc. Starting March 23, 2032, to correlate and quantify actual discharges of copper, lead, and zinc concentrations in construction stormwater discharges with measured discharge concentrations of TSS, the Responsible Dischargers for the Los Angeles and Long Beach Harbor Waters Metals TMDL, as determined by Section I.G.5 above, shall:

a. Collect effluent water quality samples following the same procedure as non-visible pollutant monitoring, as required in Attachment D or E Section III.D.3, when the pollutants may be discharged due to failure to implement BMPs, a container spill or leak, or a BMP breach, failure, or malfunction.

b. Analyze the collected samples for total copper, total lead, and total zinc, using an ELAP-accredited laboratory for methods compliant with 40 Code of Federal Regulations Part 136.

c. Certify and submit the analytical results in SMARTS within 30 days of receiving the results.

d. The analytical results are informational only and will not be used to assess compliance with any limitation in this General Permit.