

ATTACHMENT E

LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS) APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES (GENERAL PERMIT)

The following table contains a list of existing TMDLs that are applicable to industrial storm water discharges. 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. This General Permit may be reopened to amend TMDL-specific permit requirements in this Attachment E, or to incorporate new TMDLs adopted during the term of this General Permit that include requirements applicable to Responsible Dischargers regulated by this General Permit.

TABLE E-1: List of Applicable TMDLs

San Francisco Bay Regional Water Quality Control Board

TMDL	Pollutant
Napa River Sediment TMDL	Sediment
Sonoma Creek Sediment TMDL	Sediment
Walker Creek Mercury TMDL	Mercury

Los Angeles Regional Water Quality Control Board

TMDL	Pollutant
Ballona Creek Metals TMDL	Metals
Ballona Creek Estuary Toxics TMDL	Toxic Pollutants
Ballona Creek, Ballona Estuary and Sepulveda Channel TMDL	Bacteria
Calleguas Creek Salt TMDL	Salts
Calleguas Creek Watershed Metals and Selenium TMDL	Metals and Selenium
Colorado Lagoon TMDL	Pesticides, Polycyclic aromatic hydrocarbons, PCBs, and Metals
Harbor Beaches of Ventura County TMDL	Bacteria
Long Beach City Beaches and Los Angeles River Estuary TMDL	Indicator Bacteria
Los Angeles and Long Beach Harbors Waters TMDL	Toxic and Metals
Los Angeles Area Lakes TMDL	Nitrogen, Phosphorus, Mercury, Trash, Organochlorine Pesticides and PCBs

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TMDL	Pollutant
Los Angeles Harbor (Inner Cabrillo Beach and Main Ship Channel) TMDL	Bacteria
Los Angeles River Nitrogen TMDL	Nutrients
Los Angeles River Metals TMDL	Metals
Los Cerritos Channel TMDL	Metals
Machado Lake Nutrient TMDL	Nutrient
Machado Lake Toxics TMDL	Toxics
Marina del Rey Harbor Mothers' Beach and Back Basins TMDL	Bacteria
Marina Del Rey Harbor Toxics TMDL	Copper, Lead, Zinc, and Chlordane, and Total PCBs
Oxnard Drain 3 TMDL	Pesticides, PCBs and Sediment Toxicity
San Gabriel River Metals and Selenium TMDL	Metals and Selenium
Santa Clara River TMDL	Bacteria
Santa Clara River Chloride TMDL	Chloride
Santa Clara River Nitrogen TMDL	Nutrients
Santa Monica Bay Dichlorodiphenyltrichloroethane and Polychlorinated Biphenyls TMDLS	Dichlorodiphenyltrichloroethane and Polychlorinated Biphenyls
Santa Monica Bay Debris TMDL	Nearshore Debris

Santa Ana Regional Water Quality Control Board

TMDL	Pollutant
San Diego Creek and Newport Bay Toxics TMDL	Toxic Pollutants

San Diego Regional Water Quality Control Board

TMDL	Pollutant
Baby Beach and Shelter Island Indicator Bacteria TMDL	Indicator Bacteria
Chollas Creek Diazinon TMDL	Diazinon
Chollas Creek Metals TMDL	Copper, Lead, and Zinc
Los Peñasquitos Lagoon Sediment TMDL	Sediment
Rainbow Creek Watershed TMDL	Total Nitrogen and Total Phosphorus
Shelter Island Yacht Basin Copper TMDL	Dissolved Copper
Twenty Beaches and Creeks Bacteria TMDL	Indicator Bacteria

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TABLE E-2: Compliance Table for TMDL-related General Permit Requirements

San Francisco Regional Water Quality Control Board (Region 2)

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Napa River Sediment TMDL	Napa River Watershed	Sediment	None	Comply with General Permit	July 1, 2020 <i>[Effective Date of these TMDL Requirements]</i>
Sonoma Creek Sediment TMDL	Sonoma Creek Watershed	Sediment	None	Comply with General Permit	July 1, 2020 <i>[Effective Date of these TMDL Requirements]</i>
Walker Creek Mercury TMDL	Walker Creek and Soulajule Reservoir	Mercury	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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Los Angeles Regional Water Quality Control Board (Region 4)

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ballona Creek Metals TMDL	Ballona Creek or Sepulveda Canyon Channel	Copper	Total Copper Instantaneous Maximum NEL of 0.0137 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ballona Creek Metals TMDL (cont.)	Ballona Creek or Sepulveda Canyon Channel (cont.)	Lead	Total Lead Instantaneous Maximum NEL of 0.07675 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ballona Creek Metals TMDL (cont.)	Ballona Creek or Sepulveda Canyon Channel (cont.)	Zinc	Total Zinc Instantaneous Maximum NEL of 0.10477 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Ballona Creek Estuary Toxics TMDL	Ballona Creek or Ballona Creek Estuary (Ballona Watershed)	Cadmium, Chlordane, Copper, Dichlorodiphenyltrichloroethane (DDT), Lead, Polychlorinated biphenyls (PCBs), Silver, Zinc	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria	Ballona Creek	Fecal coliform	Reach 1: Fecal coliform density Instantaneous Maximum TNAL of 4000/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 15, 2021

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria (cont.)	Ballona Creek (cont.)	E. coli	Reach 2: E. coli density Instantaneous Maximum TNAL of 576/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 15, 2021

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria (cont.)	Ballona Estuary	Enterococcus	Enterococcus density Instantaneous Maximum TNAL of 104/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 15, 2021

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Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria (cont.)	Ballona Estuary (cont.)	Fecal coliform	Fecal coliform density Instantaneous Maximum TNAL of 400/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 15, 2021

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Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria (cont.)	Ballona Estuary (cont.)	Total coliform	Total coliform density Instantaneous Maximum TNAL of 10,000/100 mL Total coliform density Instantaneous Maximum TNAL of 1,000/100 mL, if the ratio of fecal-to-total coliform exceeds 0.1	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 15, 2021

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Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria (cont.)	Sepulveda Channel	E. coli	E. coli density Instantaneous Maximum TNAL of 235/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 15, 2021
Calleguas Creek Salt TMDL	Calleguas Creek Watershed: Reach 3 (mainstem), Reach 4 (Revolon Slough above Wood Road),	Boron, chloride, sulfate, and total dissolved solids (TDS)	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Salt TMDL (cont.)	Reach 6 (Arroyo Las Posas & Fox/Barranca Channel), Reach 7 (Arroyo Simi), Reach 8 (Tapo Canyon Creek), Reach 9A and 9B (Conejo Creek), Reach 10 (Arroyo Conejo), Reach 11 (Arroyo Santa Rosa), Reach 12 (North Fork Arroyo Conejo), Reach 13 (South Fork Arroyo Conejo)	Boron, chloride, sulfate, and total dissolved solids (TDS)	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium	Calleguas Creek, Conjeo Creek, or Revolon Slough	Copper	Interim Total Copper Instantaneous Maximum TNAL of .204 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Mugu Lagoon (Reach 1)	Copper	<p>Final Total Copper Instantaneous Maximum NEL of 0.00876 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for copper above.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 27, 2022

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Mugu Lagoon (Reach 1) (cont.)	Nickel	Total Nickel Instantaneous Maximum NEL of 0.074 mg/L Responsible Dischargers are not subject to this NEL until the Compliance Due Date.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	March 27, 2022
Calleguas Creek Watershed Metals and Selenium (cont.)	Mugu Lagoon (Reach 1) (cont.)	Mercury	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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Calleguas Creek Watershed Metals and Selenium (cont.)	Calleguas Creek, below Potrero Rd. (Reach 2)	Copper	<p>Final Total Copper Instantaneous Maximum NEL of 0.0214 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for copper above.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 27, 2022
Calleguas Creek Watershed Metals and Selenium (cont.)	Calleguas Creek, below Potrero Rd. (Reach 2) (cont.)	Mercury	None	<p>No additional requirements for sediment-based targets</p> <p>Comply with General Permit</p>	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Calleguas Creek, below Potrero Rd. (Reach 2) (cont.)	Nickel	<p>Total Nickel Instantaneous Maximum NEL of 0.074 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 27, 2022

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Calleguas Creek, between Potrero Rd. and Somis Rd. (Reach 3)	Copper	<p>Final Total Copper Instantaneous Maximum NEL of 0.0274 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for copper above.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 27, 2022
Calleguas Creek Watershed Metals and Selenium (cont.)	Calleguas Creek, between Potrero Rd. and Somis Rd. (Reach 3) (cont.)	Mercury	None	<p>No additional requirements for sediment-based targets</p> <p>Comply with General Permit</p>	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Calleguas Creek, between Potrero Rd. and Somis Rd. (Reach 3) (cont.)	Nickel	<p>Total Nickel Instantaneous Maximum NEL of 0.859 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 27, 2022

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Revolon Slough (Reach 4) and Beardsley Wash (Reach 5)	Copper	Final Total Copper Instantaneous Maximum NEL of 0.0058 mg/L Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for copper above.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	March 27, 2022
Calleguas Creek Watershed Metals and Selenium (cont.)	Revolon Slough (Reach 4) and Beardsley Wash (Reach 5) (cont.)	Mercury	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Revolon Slough (Reach 4) and Beardsley Wash (Reach 5) (cont.)	Nickel	<p>Total Nickel Instantaneous Maximum NEL of 0.075 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 22, 2022

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Revolon Slough (Reach 4) and Beardsley Wash (Reach 5) (cont.)	Selenium	<p>Total Selenium Instantaneous Maximum NEL of 0.290 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	<p align="center">March 27, 2022</p>

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Calleguas Creek Watershed Metals and Selenium (cont.)	Arroyo Las Posas (Reach 6), Arroyo Simi (Reach 7), and Tapo Canyon Creek (Reach 8)	Copper	Final Total Copper Instantaneous Maximum NEL of 0.031 mg/L Responsible Dischargers are not subject to this NEL until the Compliance Due Date. There are no interim targets.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	March 27, 2022
Calleguas Creek Watershed Metals and Selenium (cont.)	Arroyo Las Posas (Reach 6), Arroyo Simi (Reach 7), and Tapo Canyon Creek (Reach 8) (cont.)	Mercury	None.	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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Calleguas Creek Watershed Metals and Selenium (cont.)	Arroyo Las Posas (Reach 6), Arroyo Simi (Reach 7), and Tapo Canyon Creek (Reach 8) (cont.)	Nickel	<p>Total Nickel Instantaneous Maximum NEL of 0.958 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	March 27, 2022

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Calleguas Creek Watershed Metals and Selenium (cont.)	Conejo Creek (Reaches 9A & 9B), Arroyo Conejo (Reach 10), Arroyo Santa Rosa (Reach 11), North Fork Arroyo Conejo (Reach 12), and South Fork Arroyo Conejo (Reach 13)	Copper	Final Total Copper Instantaneous Maximum NEL of 0.0433 mg/L Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for copper above.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	March 27, 2022
Calleguas Creek Watershed Metals and Selenium (cont.)	Conejo Creek (Reaches 9A & 9B), Arroyo Conejo (Reach 10), Arroyo Santa Rosa (Reach 11), North Fork Arroyo Conejo (Reach 12), and South Fork Arroyo Conejo (Reach 13) (cont.)	Mercury	None.	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Calleguas Creek Watershed Metals and Selenium (cont.)	Conejo Creek (Reaches 9A & 9B), Arroyo Conejo (Reach 10), Arroyo Santa Rosa (Reach 11), North Fork Arroyo Conejo (Reach 12), and South Fork Arroyo Conejo (Reach 13) (cont.)	Nickel	Total Nickel Instantaneous Maximum NEL of 1.29 mg/L Responsible Dischargers are not subject to this NEL until the Compliance Due Date.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	March 27, 2022
Colorado Lagoon TMDL	Colorado Lagoon	Chlordane, DDT, Dieldrin, Lead, Polycyclic aromatic hydrocarbons (PAHs), PCBs, Zinc	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ventura County Harbor Beaches	Kiddie and Hobie Beaches (Harbor Beaches) in the Channel Islands Harbor	Enterococcus	Enterococcus density Instantaneous Maximum TNAL of 104/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	December 18, 2018

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ventura County Harbor Beaches (cont.)	Kiddie and Hobie Beaches (Harbor Beaches) in the Channel Islands Harbor (cont.)	Fecal coliform	Fecal coliform density Instantaneous Maximum TNAL of 400/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	December 18, 2018

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Ventura County Harbor Beaches (cont.)	Kiddie and Hobie Beaches (Harbor Beaches) in the Channel Islands Harbor (cont.)	Total coliform	<p>Total coliform density Instantaneous Maximum TNAL of 10,000/100 mL</p> <p>Total coliform density Instantaneous Maximum TNAL of 1,000/100 mL, if the ratio of fecal-to-total coliform exceeds 0.1</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	December 18, 2018

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Long Beach City Beaches and Los Angeles River Estuary Indicator Bacteria	Long Beach City Beaches or Los Angeles River Estuary	Enterococcus	Enterococcus density Instantaneous Maximum TNAL of 104/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Long Beach City Beaches and Los Angeles River Estuary Indicator Bacteria (cont.)	Long Beach City Beaches or Los Angeles River Estuary (cont.)	Fecal coliform	Fecal coliform density Instantaneous Maximum TNAL of 400/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Long Beach City Beaches and Los Angeles River Estuary Indicator Bacteria (cont.)	Long Beach City Beaches or Los Angeles River Estuary (cont.)	Total coliform	Total coliform density Instantaneous Maximum TNAL of 10,000/100 mL Total coliform density Instantaneous Maximum TNAL of 1,000/100 mL, if the ratio of fecal-to-total coliform exceeds 0.1	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL	Dominguez Channel or Torrance Lateral Channel	Copper	Interim Total Copper Instantaneous Maximum TNAL of 0.20751 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel or Torrance Lateral Channel (cont.)	Lead	Interim Total Lead Instantaneous Maximum TNAL of 0.12288 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel or Torrance Lateral Channel (cont.)	Zinc	Interim Total Zinc Instantaneous Maximum TNAL of 0.89887 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel or Torrance Lateral Channel (cont.)	Copper	<p>Final Total Copper Instantaneous Maximum NEL of 0.0097 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for copper above.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel or Torrance Lateral Channel (cont.)	Lead	<p>Final Total Lead Instantaneous Maximum NEL of 0.0427 mg/L</p> <p>Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for lead above.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel or Torrance Lateral Channel (cont.)	Zinc	Final Total Zinc Instantaneous Maximum NEL of 0.697 mg/L Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for zinc above.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	May 5, 2032
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary	Cadmium	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	Chlordane	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Chlordane Instantaneous Maximum TNAL of 5.9 x10⁻⁷ mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	Copper	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Copper Instantaneous Maximum TNAL of 0.0058 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	4, 4' DDT	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final 4,4' DDT Instantaneous Maximum TNAL of 5.9×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	Dieldrin	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Dieldrin Instantaneous Maximum TNAL of 1.4×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	Lead	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Lead Instantaneous Maximum TNAL of 0.221 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	PAHs	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final PAH Instantaneous Maximum TNAL of 0.000049 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	PCBs	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total PCBs Instantaneous Maximum TNAL of 1.7×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Dominguez Channel Estuary (cont.)	Zinc	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Zinc Instantaneous Maximum TNAL of 0.095 mg/L</p>	<p>For interim requirements: comply with General Permit</p> <p>For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	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, and San Pedro Bay	Copper	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Copper Instantaneous Maximum TNAL of 0.0058 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	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, and San Pedro Bay (cont.)	4, 4' DDT	Interim requirement: No additional requirements for sediment-based targets Final 4,4' DDT Instantaneous Maximum TNAL of 5.9×10^{-7} mg/L	For interim requirements: comply with General Permit For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	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, and San Pedro Bay (cont.)	Lead	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Lead Instantaneous Maximum TNAL of 0.221 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	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, and San Pedro Bay (cont.)	PCBs	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total PCBs Instantaneous Maximum TNAL of 1.7×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	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, and San Pedro Bay (cont.)	Zinc	Interim requirement: No additional requirements for sediment-based targets Final Total Zinc Instantaneous Maximum TNAL of 0.095 mg/L	For interim requirements: comply with General Permit For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	May 5, 2032
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Consolidated Slip	Cadmium, Chromium, Mercury	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Consolidated Slip (cont.)	Copper	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Copper Instantaneous Maximum TNAL of 0.0058 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Consolidated Slip (cont.)	4, 4' DDT	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final 4,4' DDT Instantaneous Maximum TNAL of 5.9×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Consolidated Slip (cont.)	Lead	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Lead Instantaneous Maximum TNAL of 0.221 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Consolidated Slip (cont.)	PCBs	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total PCBs Instantaneous Maximum TNAL of 1.7×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Consolidated Slip (cont.)	Zinc	Interim requirement: No additional requirements for sediment-based targets Final Total Zinc Instantaneous Maximum TNAL of 0.095 mg/L	For interim requirements: comply with General Permit For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	May 5, 2032
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Fish Harbor	Mercury	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Fish Harbor (cont.)	Copper	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Copper Instantaneous Maximum TNAL of 0.0058 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Fish Harbor (cont.)	4, 4' DDT	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final 4,4' DDT Instantaneous Maximum TNAL of 5.9×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Fish Harbor (cont.)	Lead	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total Lead Instantaneous Maximum TNAL of 0.221 mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Fish Harbor (cont.)	PCBs	<p align="center">Interim requirement: No additional requirements for sediment-based targets</p> <p align="center">Final Total PCBs Instantaneous Maximum TNAL of 1.7×10^{-7} mg/L</p>	<p align="center">For interim requirements: comply with General Permit</p> <p align="center">For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	May 5, 2032

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles and Long Beach Harbor Waters TMDL (cont.)	Fish Harbor (cont.)	Zinc	Interim requirement: No additional requirements for sediment-based targets Final Total Zinc Instantaneous Maximum TNAL of 0.095 mg/L	For interim requirements: comply with General Permit For final requirements: In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	May 5, 2032
Los Angeles Area Lakes TMDL	Peck Road Park	Chlordane, DDTs, Dieldrin	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Peck Road Park (cont.)	Nitrogen	Total Nitrogen Instantaneous Maximum NEL of 3.61 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Peck Road Park (cont.)	PCBs	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Peck Road Park (cont.)	Phosphorous	Total Phosphorous Instantaneous Maximum NEL of 0.37 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Peck Road Park (cont.)	Trash	None	Responsible Dischargers shall comply with this General Permit and install minimum and advanced BMPs meet the TMDL target of 0 (zero) trash in or on the water and on the shoreline.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Echo Park Lake	Chlordane, Deildrin	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Echo Park Lake (cont.)	Nitrogen	Total Nitrogen Instantaneous Maximum NEL of 1.33 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Echo Park Lake (cont.)	PCBs	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Echo Park Lake (cont.)	Phosphorous	Total Phosphorous Instantaneous Maximum NEL of 0.16 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Echo Park Lake (cont.)	Trash	None	Responsible Dischargers shall comply with this General Permit and install minimum and advanced BMPs to meet the TMDL target of 0 (zero) trash in or on the water and on the shoreline.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Legg Lakes	Nitrogen	Total Nitrogen Instantaneous Maximum NEL of 1.8 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Legg Lakes (cont.)	Phosphorous	Total Phosphorous Instantaneous Maximum NEL of 0.64 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Puddingstone Reservoir	Chlordane, DDTs, Dieldrin	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Puddingstone Reservoir (cont.)	Nitrogen	Total Nitrogen Instantaneous Maximum NEL of 2.0 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Puddingstone Reservoir (cont.)	Phosphorous	Total Phosphorous Instantaneous Maximum NEL of 0.40 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Los Angeles Area Lakes TMDL (cont.)	Puddingstone Reservoir (cont.)	PCBs	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Puddingstone Reservoir (cont.)	Mercury	Total Mercury Instantaneous Maximum NEL of 4×10^{-6} mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Area Lakes TMDL (cont.)	Puddingstone Reservoir (cont.)	Methylmercury	Dissolved Methylmercury Instantaneous Maximum NEL of 0.081×10^{-8} mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Harbor Bacteria	Los Angeles Harbor (Inner Cabrillo Beach and Main Ship Channel)	Enterococcus	Enterococcus density Instantaneous Maximum TNAL of 104/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Harbor Bacteria (cont.)	Los Angeles Harbor (Inner Cabrillo Beach and Main Ship Channel) (cont.)	Fecal coliform	Fecal coliform density Instantaneous Maximum TNAL of 400/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles Harbor Bacteria (cont.)	Los Angeles Harbor (Inner Cabrillo Beach and Main Ship Channel) (cont.)	Total coliform	Total coliform density Instantaneous Maximum TNAL of 10,000/100 mL Total coliform density Instantaneous Maximum TNAL of 1,000/100 mL, if the ratio of fecal-to-total coliform exceeds 0.1	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Nitrogen TMDL	Los Angeles River Watershed	Nitrate-nitrogen	Nitrate-nitrogen Instantaneous Maximum NEL of 8.0 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Nitrogen TMDL (cont.)	Los Angeles River Watershed (cont.)	Nitrite-nitrogen	Nitrite-nitrogen Instantaneous Maximum NEL of 1.0 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Nitrogen TMDL (cont.)	Los Angeles River Watershed (cont.)	Nitrate-nitrogen plus nitrite-nitrogen	Nitrate-nitrogen plus nitrite-nitrogen Instantaneous Maximum NEL of 8.0 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Nitrogen TMDL (cont.)	Los Angeles River (above LA-Glendale WRP)	Ammonia	Ammonia Instantaneous Maximum NEL of 4.7 mg/L for discharges into LA River above LA-Glendale WRP	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Nitrogen TMDL (cont.)	Los Angeles River (below LA-Glendale WRP)	Ammonia	Ammonia Instantaneous Maximum NEL of 8.7 mg/L for discharges into LA River below LA-Glendale WRP	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Nitrogen TMDL (cont.)	Los Angeles River Tributaries	Ammonia	Ammonia Instantaneous Maximum NEL of 10.1 mg/L for discharges into LA River tributaries	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Metals TMDL	Los Angeles River or Los Angeles River Tributaries	Cadmium	Total Cadmium Instantaneous Maximum NEL of 0.0031 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Metals TMDL (cont.)	Los Angeles River or Los Angeles River Tributaries (cont.)	Copper	Total Copper Instantaneous Maximum NEL of 0.06749 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Metals TMDL (cont.)	Los Angeles River or Los Angeles River Tributaries (cont.)	Lead	Total Lead Instantaneous Maximum NEL of 0.094 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Angeles River Metals TMDL (cont.)	Los Angeles River or Los Angeles River Tributaries (cont.)	Zinc	Total Zinc Instantaneous Maximum NEL of 0.159 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Cerritos Channel TMDL	Los Cerritos Channel	Copper	Total Copper Instantaneous Maximum NEL of 0.0098 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Cerritos Channel TMDL (cont.)	Los Cerritos Channel (cont.)	Lead	Total Lead Instantaneous Maximum NEL of 0.0558 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Cerritos Channel TMDL (cont.)	Los Cerritos Channel (cont.)	Zinc	Total Zinc Instantaneous Maximum NEL of 0.0956 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitations (NELs). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Machado Lake Nutrient TMDL	Machado Lake	Nitrogen	Total Nitrogen Instantaneous Maximum NEL of 1.0 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Machado Lake Nutrient TMDL (cont.)	Machado Lake (cont.)	Phosphorous	Total Phosphorus Instantaneous Maximum NEL of 0.1 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Machado Lake Toxics TMDL	Machado Lake	Chlordane, DDD ¹ (all congeners), DDE ² (all congeners), DDT (all congeners), Total DDT, Dieldrin, PCBs	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

¹ Dichlorodiphenyldichloroethane

² Dichlorodiphenyldichloroethylene

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Marina del Rey Back Basins Bacteria TMDL	Marina del Rey Harbor Mothers' Beach and back basins (Basins D, E, and F)	Enterococcus	Enterococcus density Instantaneous Maximum TNAL of 104/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Marina del Rey Back Basins Bacteria TMDL (cont.)	Marina del Rey Harbor Mothers' Beach and back basins (Basins D, E, and F) (cont.)	Fecal coliform	Fecal coliform density Instantaneous Maximum TNAL of 400/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Marina del Rey Back Basins Bacteria TMDL (cont.)	Marina del Rey Harbor Mothers' Beach and back basins (Basins D, E, and F) (cont.)	Total coliform	Total coliform density Instantaneous Maximum TNAL of 10,000/100 mL Total coliform density Instantaneous Maximum TNAL of 1,000/100 mL, if the ratio of fecal-to-total coliform exceeds 0.1	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Marina del Rey Harbor Toxics TMDL	Marina del Rey Harbor	Chlordane, Copper, p,p' DDE, DDT, Lead, PCBs, Zinc	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Oxnard Drain 3 TMDL	Oxnard Drain Number 3	Chlordane, DDD, DDE, DDT, Dieldrin, PCBs, Toxaphene	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Gabriel River Metals and Selenium TMDL	San Gabriel River Reach 2 or its tributary/ies	Lead	Total Lead Instantaneous Maximum NEL of 0.166 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Gabriel River Metals and Selenium TMDL (cont.)	Coyote Creek or its tributary/ies	Copper	Total Copper Instantaneous Maximum NEL of 0.027 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Gabriel River Metals and Selenium TMDL (cont.)	Coyote Creek or its tributary/ies (cont.)	Lead	Total Lead Instantaneous Maximum NEL of 0.106 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Gabriel River Metals and Selenium TMDL (cont.)	Coyote Creek or its tributary/ies (cont.)	Zinc	Total Zinc Instantaneous Maximum NEL of 0.158 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Santa Clara River Bacteria	Santa Clara River Estuary	Enterococcus	Enterococcus density Instantaneous Maximum TNAL of 104/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Santa Clara River Bacteria (cont.)	Santa Clara River Estuary (cont.)	Fecal coliform	Fecal coliform density Instantaneous Maximum TNAL of 400/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Santa Clara River Bacteria (cont.)	Santa Clara River Estuary (cont.)	Total coliform	Total coliform density Instantaneous Maximum TNAL of 10,000/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Santa Clara River Bacteria (cont.)	Santa Clara River Reaches 3, 4, 5, 6, and 7	E. coli	E. coli density Instantaneous Maximum TNAL of 235/100 mL	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Santa Clara River Chloride TMDL	Santa Clara River Reach 3	Chloride	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Santa Clara River Nitrogen TMDL	Santa Clara River Reach 3	Ammonia as Nitrogen	Total Ammonia as Nitrogen Instantaneous Maximum NEL of 4.2 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Santa Clara River Nitrogen TMDL (cont.)	Santa Clara River Reach 7	Ammonia as Nitrogen	Total Ammonia as Nitrogen Instantaneous Maximum NEL of 5.2 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Santa Monica Bay DDTs and PCBs TMDL	Santa Monica Bay	DDT, PCB	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Santa Monica Bay Debris TMDL	Santa Monica Bay	Plastic Pellets	None	Comply with General Permit.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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Santa Ana Regional Water Quality Regional Water Quality Control Board (Region 8)

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL	San Diego Creek Watershed	Cadmium	Total Cadmium Instantaneous Maximum NEL of 0.0097 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	San Diego Creek Watershed (cont.)	Copper	Total Copper Instantaneous Maximum NEL of 0.027 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
San Diego Creek and Newport Bay Toxics TMDL (cont.)	San Diego Creek Watershed (cont.)	Lead	Total Lead Instantaneous Maximum NEL of 0.194 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	San Diego Creek Watershed (cont.)	Zinc	Total Zinc Instantaneous Maximum NEL of 0.21 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Upper Newport Bay	Cadmium	Total Cadmium Instantaneous Maximum NEL of 0.042 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Upper Newport Bay (cont.)	Copper	<p>Total Copper Instantaneous Maximum NEL of 0.00578 mg/L</p> <p>Discharge Requirement for boatyards is 0 (zero) lbs/year into Upper Newport Bay.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	<p align="center">July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i></p>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Upper Newport Bay (cont.)	Lead	<p>Total Lead Instantaneous Maximum NEL of 0.221 mg/L</p> <p>Discharge Requirement for boatyards is 0 (zero) lbs/year into Upper Newport Bay.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	<p>July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i></p>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Upper Newport Bay (cont.)	Zinc	<p>Total Zinc Instantaneous Maximum NEL of 0.095 mg/L</p> <p>Discharge Requirement for boatyards is 0 (zero) lbs/year into Upper Newport Bay.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	<p>July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i></p>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Lower Newport Bay and Bay Segments (including Costa Mesa Channel and Santa Ana Delhi Channel)	Copper	<p align="center">Copper Instantaneous Maximum NEL of 0.00578 mg/L (Total metals)</p> <p align="center">Discharge Requirement for boatyards is 0 (zero) lbs/year into Lower Newport Bay.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	<p align="center">July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i></p>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Lower Newport Bay and Bay Segments (including Costa Mesa Channel and Santa Ana Delhi Channel) (cont.)	Lead	<p align="center">Lead Instantaneous Maximum NEL of 0.221 mg/L (Total metals)</p> <p align="center">Discharge Requirement for boatyards is 0 (zero) lbs/year into Lower Newport Bay.</p>	<p>In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.</p>	<p align="center">July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i></p>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Lower Newport Bay and Bay Segments (including Costa Mesa Channel and Santa Ana Delhi Channel) (cont.)	Zinc	Zinc Instantaneous Maximum NEL of 0.095 mg/L (Total metals) Discharge Requirement for boatyards is 0 (zero) lbs/year into Lower Newport Bay.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Rhine Channel area of Lower Newport Bay	Chromium, Mercury	None	No additional requirements for sediment-based targets Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Rhine Channel area of Lower Newport Bay (cont.)	Copper	Copper Instantaneous Maximum NEL of 0.00578 mg/L (Total metals)	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Rhine Channel area of Lower Newport Bay (cont.)	Lead	Lead Instantaneous Maximum NEL of 0.221 mg/L (Total metals)	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
San Diego Creek and Newport Bay Toxics TMDL (cont.)	Rhine Channel area of Lower Newport Bay (saltwater)	Zinc	Zinc Instantaneous Maximum NEL of 0.095 mg/L (Total metals)	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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San Diego Regional Water Quality Regional Water Quality Control Board (Region 9)

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Baby Beach in Dana Point Harbor and Shelter Island Shoreline Park TMDL	Dana Point Harbor – Baby Beach (Dana Point HSA ³ 901.14)	Total coliform, Fecal coliform, Enterococcus (Indicator Bacteria)	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Baby Beach in Dana Point Harbor and Shelter Island Shoreline Park TMDL	San Diego Bay – Shelter Island Shoreline Park (Point Loma HA ⁴ 908.10)	Total coliform, Fecal coliform, Enterococcus (Indicator Bacteria)	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Chollas Creek Diazinon TMDL	Chollas Creek Watershed	Diazinon	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

³ Hydrologic Sub-area (HSA)

⁴ Hydrologic Areas (HA)

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Chollas Creek Metal TMDL	Chollas Creek	Copper	Interim Total Copper Instantaneous Maximum TNAL of 0.083 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Chollas Creek Metal TMDL (cont.)	Chollas Creek (cont.)	Lead	Interim Total Lead Instantaneous Maximum TNAL of 0.068 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Chollas Creek Metal TMDL (cont.)	Chollas Creek (cont.)	Zinc	Interim Total Zinc Instantaneous Maximum TNAL of 0.175 mg/L	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Action Level (TNAL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Chollas Creek Metal TMDL (cont.)	Chollas Creek (cont.)	Copper	Total Copper Instantaneous Maximum NEL of 0.083 mg/L. Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for Total Copper above.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	October 22, 2028

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Chollas Creek Metal TMDL (cont.)	Chollas Creek (cont.)	Lead	Total Lead Instantaneous Maximum NEL of 0.068 mg/L. Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for Total Lead above.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	October 22, 2028

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Chollas Creek Metal TMDL (cont.)	Chollas Creek (cont.)	Zinc	Total Zinc Instantaneous Maximum NEL of 0.175 mg/L. Responsible Dischargers are not subject to this NEL until the Compliance Due Date. See interim requirements for Total Zinc above.	In addition to complying with this General Permit, Responsible Dischargers shall take QSE samples in accordance with Section XI.B and shall compare the results to the corresponding TMDL Numeric Effluent Limitation (NEL). Sample, collection, and reporting shall be conducted in accordance with Section XI.B.	October 22, 2028

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Los Peñasquitos Lagoon Sediment TMDL	Los Peñasquitos Lagoon Watershed	Sediment	None	Responsible Dischargers shall comply with General Permit and provide an estimate of the representative flow rate from their industrial facility for one Qualifying Storm Event (QSE) each reporting year. The Responsible Discharger shall submit the representative flow estimate as a PDF attachment to the Annual Report (due in SMARTS no later than July 15 th of each reporting year).	July 14, 2034
Rainbow Creek Watershed TMDL	Rainbow Creek Watershed	Nitrogen and Phosphorous	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>
Shelter Island Yacht Basin Copper TMDL	Shelter Island Yacht Basin	Copper	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
APPLICABLE TO INDUSTRIAL STORM WATER DISCHARGES**

TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Twenty Beaches and Creeks Indicator Bacteria	Pacific Ocean Shorelines: ⁵ San Joaquin Hills HSA (901.11) Laguna Beach HSA (901.12) Aliso HSA (901.13) Dana Point HSA (901.14)	Enterococcus, Total Coliform, and Fecal Coliform (Indicator Bacteria)	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>

⁵ The Project I Bacteria TMDL developed for Pacific Shorelines is applicable to all beaches located on the shorelines of the hydrologic subareas (HSAs), hydrologic areas (HAs) and hydrologic units (HUs) listed above.

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
<p align="center">Twenty Beaches and Creeks Indicator Bacteria (cont.)</p>	<p>Lower San Juan HSA (901.27)</p> <p>San Clemente HA (901.30)</p> <p>San Luis Rey HU (903.00)</p> <p>San Marcos HA (904.50)</p> <p>San Dieguito HU (905.00)</p> <p>Miramar Reservoir HA (906.10)</p> <p>Scripps HA (906.30)</p>	<p align="center">Enterococcus, Total Coliform, and Fecal Coliform (Indicator Bacteria)</p>	<p align="center">None</p>	<p align="center">Comply with General Permit</p>	<p align="center">July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i></p>

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**LIST OF EXISTING TOTAL MAXIMUM DAILY LOADS (TMDLS)
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TMDL	Impaired Waterbody/ Watershed	Pollutants	Additional TMDL-related Numeric Action Level or Numeric Effluent Limitation (TNAL/NEL)	Required Actions	Compliance Due Date
Twenty Beaches and Creeks Indicator Bacteria (cont.)	Tecolote Creek (906.50) Forester Creek (907.11) San Diego River (Lower) (907.12) Chollas Creek (908.22)	Enterococcus, Total Coliform, and Fecal Coliform (Indicator Bacteria)	None	Comply with General Permit	July 1, 2020 <i>(Effective Date of these TMDL Requirements)</i>