

Appendix F: Facility Discharges Addressed by General NPDES Permits

Pursuant to 40 CFR parts 122 and 123, the State and Regional Water Boards have the authority to issue general NPDES permits to regulate a category of point sources if the sources have common elements, such as the same or substantially similar types of operations, wastewater, effluent limitations, and monitoring.

The State and Regional Water Boards have adopted a variety of general permits to cover multiple facilities having common elements, such as the same type of wastewater or operating conditions. Many of the discharges covered by general permits are low threat discharges consisting of:

- Highly treated groundwater following extraction and treatment of polluted groundwater;
- Potable and hydrostatic test discharges and groundwater from maintenance of drinking water conveyance systems, supply wells, and storage;
- Groundwater from construction dewatering, utility values and underground structures where sediment and naturally occurring parameters (e.g., naturally occurring metals or salts, temperature, pH, etc.) in the area groundwater are the only pollutants of concern;
- Discharges from well development, test pumping, maintenance, and purging of water supply wells, swimming pools, or other pipelines and systems where sediment and naturally occurring parameters in area ground water and chlorine and chlorine by-products are the only pollutants of concern;
- Noncontact cooling water, boiler blowdown, and air conditioning condensate; and
- Water treatment plant and swimming pool filter backwash;

In addition, there are general permits for less common discharge types, such as discharges from:

- Aquaculture facilities (e.g., fish hatcheries) and aquariums;
- Confined animal dairies;
- Marina operations and dredging in Lake Tahoe and the Lake Tahoe Basin Hydrologic Unit;
- Lanthanum-modified clay to bind excess free phosphorus in the water column of canals, ditches, lakes, ponds, reservoirs or other storage or constructed conveyance facilities;
- Discharges from aggregate mining, sand washing, and sand offloading facilities;
- Residual pollutant waste discharges associated with the public display of fireworks; and
- Biological and residual pesticide discharges from pesticide applications for aquatic weed control, aquatic animal invasive species control, and vector control.

NPDES-permitted discharges to or upstream of reservoirs that are covered by the general permits, including but not limited to the permits identified in Table E.1, are considered negligible for the following reasons:

- Most of the discharges are associated with urban areas, and there is very little urbanized land adjacent to and upstream of mercury impaired reservoirs (refer to Section 6.5);
- The majority of dairies in California are located in the valleys downstream of reservoirs;
- Available mercury data for discharges from groundwater treatment facilities, surface water treatment plants, and nonprocess wastewater (e.g., boiler blowdown and air conditioning condensate) indicate the discharges have very low or nondetectable mercury concentrations;
- Mercury is not used as an active ingredient in vector control pesticides or any other pesticides in California; and
- None of the reservoirs in the Lake Tahoe Basin Hydrologic Unit or Lake Tahoe are considered mercury impaired at this time.

Many of the general permits include requirements for mercury monitoring. Consequently, additional mercury data will be available for further assessment as needed during the program review period at the end of Phase 1 of the Implementation Plan (see Chapter 10).

Please refer to Section 6.6 in Chapter 6 for additional information about NPDES facility discharges in California.

Table F.1: General NPDES permits adopted in California

Water Board Region	NPDES No.	Discharge Type
1	CA0024902	Low Threat Discharges to Surface Waters in the North Coast Region
	CAG911001	Discharges of Highly Treated Groundwater to Surface Waters Following Extraction and Treatment of Groundwater Polluted with Petroleum Hydrocarbons and Volatile Organic Compounds
	CAG011001	Concentrated Animal Feeding Operations within the North Coast Region
2	CAG982001	Discharges of Process Wastewaters from Aggregate Mining, Sand Washing, and Sand Offloading Facilities to Surface Waters
	CAG382001	Discharges from Surface Water Treatment Facilities for Potable Supply
	CAG912003	Discharge or Reuse of Extracted and Treated Groundwater resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC)
	CAG912002	Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other Related Wastes (VOC and Fuel General Permit)
	CAG032012	Discharges from Dry Dock Operations
	CAG912004	Discharge or Reuse of Extracted Brackish Groundwater and Reverse Osmosis Concentrate Resulting from Treatment of Groundwater by Reverse Osmosis and Discharge or Reuse of Extracted and Treated Groundwater Resulting from Structural Dewatering
3	CAG993003	Discharges From Aquaculture Facilities and Aquariums
	CAG993002	Discharges of Highly Treated Groundwater to Surface Waters
	CAG993001	Discharges With Low Threat to Water Quality
4	CAG994005	Discharges of Groundwater from Potable Water Supply Wells to Surface Waters
	CAG994003	Discharges of Nonprocess Waste Water to Surface Waters
	CAG674001	Discharges of Low Threat Hydrostatic Test Water to Surface Waters
	CAG834001	Treated Groundwater and Other Wastewaters from Investigation and/or Cleanup of Petroleum Fuel-Contaminated Sites to Surface Waters
	CAG914001	Discharges of Treated Groundwater from Investigation and/or Cleanup of Volatile Organic Compound Contaminated-Sites to Surface Waters
	CAG994004	Discharges of Groundwater from Construction Dewatering to Surface Waters
5	CAG015001	Existing Milk Cow Dairy Concentrated Animal Feeding Operations Within The Central Valley Region
	CAG135001	Cold Water Concentrated Aquatic Animal Production Facility Discharges to Surface Waters
	CAG995002	Limited Threat Discharges of Treated/Untreated Groundwater from Cleanup Sites, Wastewater from Superchlorination Projects, and Other Limited Threat Wastewaters to Surface Waters
	CAG995001	Dewatering and Other Low Threat Discharges to Surface Waters
	CAG915001	Discharge to Surface Waters of Groundwater from Cleanup of Petroleum Fuel Pollution

Table F.1: General NPDES permits adopted in California, *continued*

Water Board Region	NPDES No.	Discharge Type
6	CAG996001	Limited Threat Discharges to Surface Waters
	CAG916001	Surface Water Disposal of Treated Ground Water
	CAG616003	Discharges of Storm Water Runoff Associated with Marina Operations and Maintenance Dredging in the Lake Tahoe Basin Hydrologic Unit - El Dorado and Placer Counties
7	CAG017001	Concentrated Animal Feeding Operations within the Colorado River Basin Region
	CAG997001	Low Threat Discharges to Surface Waters within the Colorado River Basin Region
	CAG917001	Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Constituents into Surface Water
8	CAG918002	Discharges to Surface Waters of Groundwater Resulting from Groundwater Dewatering Operations and/or Groundwater Cleanup Activities at Sites within the San Diego Creek/Newport Bay Watershed Polluted by Petroleum Hydrocarbons, Solvents, Metals and/or Salts
	CAG648001	Discharges to Surface Waters of Process Wastewater Associated with Certain Wellhead Treatment Systems
	CAG998001	Discharges to Surface Waters that Pose an Insignificant (De Minimus) Threat to Water Quality
	CAG918001	General Groundwater Cleanup Permit for Discharges to Surface Waters of Extracted and Treated Groundwater Resulting From the Cleanup of Groundwater Polluted by Petroleum Hydrocarbons, Solvents, Metals and/or Salts
	CAG018001	Concentrated Animal Feeding Operations (Dairies and Related Facilities) within the Santa Ana Region
9	CAG919001	Discharges from Temporary Groundwater Extraction and Similar Waste Discharges to San Diego Bay, Tributaries Thereto under Tidal Influence, and Storm Drains or Other Conveyance Systems Tributary Thereto
	CAG919002	Discharges from Groundwater Extraction Waste to Surface Waters within the San Diego Region Except for San Diego Bay
	CAG679001	Discharges of Hydrostatic Test Water and Potable Water to Surface Waters and Storm Drains or Other Conveyance Systems Within the San Diego Region
	CAG999002	Residual Firework Pollutant Waste Discharges to Waters of the United States, San Diego Region
	CAG999003	Discharge of Lanthanum-Modified Clay to Surface Waters of the United States in the San Diego Region
	CAG719001	Discharges from Boatyards and Boat Maintenance and Repair Facilities Adjacent to Surface Waters within the San Diego Region

Table F.1: General NPDES permits adopted in California, *continued*

Water Board Region	NPDES No.	Discharge Type
State Board	CAG990005	Discharge of Aquatic Pesticides for Aquatic Weed Control
	CAG990002	Discharges from Utility Vaults and Underground Structures to Surface Waters
	CAG990004	Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications
	CAG990006	Residual Pesticide Discharges to Waters of the United States from Aquatic Animal Invasive Species Control Applications
	CAG990007	Biological and Residual Pesticide Discharges to Waters of The United States from Spray Applications