

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION IX**

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**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION**

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**ORDER No. R2-2019-0028  
NPDES No. CA0037681**

**WASTE DISCHARGE REQUIREMENTS AND  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT  
FOR CITY AND COUNTY OF SAN FRANCISCO  
OCEANSIDE WATER POLLUTION CONTROL PLANT, WASTEWATER  
COLLECTION SYSTEM, AND WESTSIDE RECYCLED WATER PROJECT**

The following Discharger is authorized to discharge from the locations listed in Table 2 in accordance with the waste discharge requirements (WDRs) and federal National Pollutant Discharge Elimination System (NPDES) permit requirements set forth in this Order:

**Table 1. Discharger Information**

<b>Discharger</b>	City and County of San Francisco
<b>Facility Name</b>	Oceanside Water Pollution Control Plant, Wastewater Collection System, and Westside Recycled Water Project
<b>Facility Address</b>	3500 Great Highway San Francisco, CA 94132 San Francisco County
<b>CIWQS Place Number</b>	256498

**Table 2. Discharge Locations**

<b>Discharge Point</b>	<b>Effluent Description</b>	<b>Discharge Point Latitude</b>	<b>Discharge Point Longitude</b>	<b>Receiving Water</b>
001	Treated effluent, including the following: <ul style="list-style-type: none"> <li>• Secondary-treated effluent from Oceanside Water Pollution Control Plant (dry weather);</li> <li>• Primary- and secondary-treated effluent from Oceanside Water Pollution Control Plant (wet weather);</li> <li>• Equivalent-to-primary-treated effluent from Westside Transport/Storage Structure (wet weather); and</li> <li>• Reverse osmosis concentrate from Westside Recycled Water Project, when operational (dry and wet weather).</li> </ul>	37.70500	-122.57750	Pacific Ocean, Offshore
CSD-001	Equivalent-to-primary-treated effluent (wet weather)	37.71528	-122.50444	Pacific Ocean (Fort Funston, Ocean Beach)

Discharge Point	Effluent Description	Discharge Point Latitude	Discharge Point Longitude	Receiving Water
CSD-002	Equivalent-to-primary-treated effluent (wet weather)	37.73778	-122.50806	Pacific Ocean (Vicente St., Ocean Beach)
CSD-003	Equivalent-to-primary-treated effluent (wet weather)	37.76389	-122.51167	Pacific Ocean (Lincoln Way, Ocean Beach)
CSD-004	Equivalent-to-primary-treated effluent (wet weather)	37.78472	-122.51028	Pacific Ocean (Mile Rock)
CSD-005	Equivalent-to-primary-treated effluent (wet weather)	37.78778	-122.49167	Pacific Ocean (China Beach)
CSD-006	Equivalent-to-primary-treated effluent (wet weather)	37.78944	-122.48778	Pacific Ocean (Baker Beach)
CSD-007	Equivalent-to-primary-treated effluent (wet weather)	37.78944	-122.48694	Pacific Ocean (Baker Beach)

**Table 3. Administrative Information**

The U.S. Environmental Protection Agency, Region IX, issued this Order on:	
The San Francisco Bay Regional Water Quality Control Board adopted this Order on:	September 11, 2019
This Order shall become effective on:	November 1, 2019
This Order shall expire on:	October 31, 2024
The Discharger shall file a Report of Waste Discharge as an application for reissuance of WDRs in accordance with California Code of Regulations, title 23, and an application for reissuance of a National Pollutant Discharge Elimination System (NPDES) permit no later than:	February 1, 2024
This discharge is classified as follows:	Major

**Administrative Information for U.S. Environmental Protection Agency, Region IX**

This permit was issued on:	December 10, 2019
This permit shall become effective on:	February 1, 2019
Permit reapplication due no later than:	February 1, 2024
This permit shall expire at midnight on:	October 31, 2024

In accordance with 40 CFR 122.21(d), the permittee shall submit a new application for a permit at least 180 days before the expiration date of this permit, unless permission for a date no later than the permit expiration date has been granted by the Director.

Signed this 10th day of December, 2019, for the Regional Administrator.



Tomás Torres, Director  
Water Division



The signatures below certify that this Order with all attachments is a full, true, and correct copy of the Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on the date indicated above, and an NPDES permit issued by the U.S. Environmental Protection Agency, Region IX, on the date above.



7/12/2019

Michael Montgomery, Executive Officer  
San Francisco Bay Regional Water Board

Tomás Torres, Water Division Director  
U.S. Environmental Protection Agency

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building material; a small percentage is reused for agricultural land application. During the dry season, biosolids are hauled offsite for agricultural land application.

- 5. Water Recycling and Reclamation.** The Discharger is constructing a recycled water project at the Oceanside Water Pollution Control Plant site during this Order's term. Secondary-treated effluent will be treated further with membrane filtration, reverse osmosis, and ultraviolet (UV) light disinfection to produce recycled water. The concentrate from the reverse osmosis process will be commingled with plant effluent prior to discharge at Discharge Point No. 001. Filter backwash water generated at the Westside Recycled Water Project will be directed to the plant headworks for treatment. The project is expected to produce and deliver an annual average flow of 1.6 MGD of recycled water for distribution in the western portion of San Francisco, with peak deliveries of up to 4 MGD during summer. Water recycling operations will not increase the mass of pollutants discharged at Discharge Point No. 001, but will increase the concentration of pollutants discharged. The requirements of this Order account for the discharge from this water recycling project. Reclamation requires waste discharge requirements beyond those specified here, such as those in State Water Board Order No. WQ 2016-0068-DDW (Water Reclamation Requirements for Recycled Water Use).

## **B. Discharge Points and Receiving Waters**

- 1. Discharge Point No. 001.** During dry weather, secondary-treated effluent is discharged at Discharge Point No. 001. During wet weather, the discharge at Discharge Point No. 001 comprises primary-treated and secondary-treated effluent from the Oceanside Water Pollution Control Plant and equivalent-to-primary-treated effluent from the Westside Transport/Storage Structure. When the Westside Recycled Water Project becomes operational, reverse osmosis concentrate will also be discharged at Discharge Point No. 001.

Discharge Point No. 001 is a 4.5-mile-long (3.9 nautical mile-long) deepwater outfall that terminates with a diffuser that begins approximately 3.8 miles (3.3 nautical miles) from shore at a depth of 78 feet below mean lower low water (MLLW). The diffuser has 85 risers spread along a 3,000-foot outfall pipe. Each riser has eight ports. Discharge Point No. 001 discharges to the Pacific Ocean beyond the territorial waters of the State, which end three nautical miles from MLLW at shore.

- 2. Discharge Point Nos. CSD-001, CSD-002, CSD-003, CSD-004, CSD-005, CSD-006, and CSD-007.** During wet weather, equivalent-to-primary-treated wastewater is discharged to the Pacific Ocean at Discharge Point Nos. CSD-001, CSD-002, CSD-003, and CSD-004 when the Westside Pump Station capacity is exceeded, and at Discharge Point Nos. CSD-005, CSD-006, and CSD-007 when the capacities of the corresponding pump stations (i.e., Sea Cliff No. 1 and Sea Cliff No. 2 Pump Stations) are exceeded, including the capacity of the wet well connected to Discharge Point No. CSD-006. These discharge points are located within the territorial waters of the State.