

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR**

**CALIFORNIA WATER SERVICE COMPANY
(WATER WELL NO. 232-01, 232-02 & 275-01)**

**NPDES NO. CAG994005
CI-8705**

FACILITY ADDRESS

(Various locations, see table below)

FACILITY MAILING ADDRESS

2632 West 237th Street
Torrance, CA 90505

PROJECT DESCRIPTION:

The California Water Service Company (CWSC) proposes to discharge groundwater generated during well “blow-off” and well rehabilitation activities at the following wells listed below. Well blow-off will be conducted during pump start-up and during required Department of Health Services (DHS) sampling activities. Well rehabilitation will be conducted to enhance pumping capacity of the well.

The well rehabilitation process requires shutting down the well, removing the well pump, adding acid into the well, and swabbing the well casing. After the reaction period, the sediments are airlifted into a holding tank. The pH will then be adjusted and the sediments will be allowed to settle in the tank. The final step of the rehabilitation process is to surge and chlorinate the well. Subsequently, the pump is reinstalled and the well is tested before discharge to the storm drain at a flow rate of up to 4.30 million gallons per day (mgd). The blown-off water is dechlorinated before discharge to the storm drain.

The California Water Service Company operates the following potable water supply wells:

Well Number	Location	Latitude	Longitude	Receiving Waterbody
232-01	405 Maple Drive Torrance	33° 50' 42"	118° 20' 29"	Los Angeles Harbor
232-02	405 Maple Drive Torrance	33° 50' 42"	118° 20' 29"	Los Angeles Harbor
275-01	24800 Main Street Carson	33° 48' 01"	118° 16' 31"	Los Angeles Harbor

VOLUME AND DESCRIPTION OF DISCHARGE:

Approximately 4.3 mgd of groundwater will be discharged per well during well development and subsequent pumping and aquifer tests. This high rate of discharge is necessary to properly test the aquifer to determine the productive capacity and to properly size the well pump. This high flow, short-term discharge will last up to one week. The discharge flows into the storm water catch basins located near the facility that drains into Harbor Lake (Machado Lake), thence to West Basin of the Los Angeles Harbor, a water of the United States. The site location map is shown in Figure 1.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data showed reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.1. and E.2. are applicable to your discharge. The discharge flows into Harbor Lake (Machado Lake) that has a designated beneficial use of MUN (Potential). The effluent limitations in Attachment B of the Order are not applicable to your discharge.

This Table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	
Copper (Cu)	µg/L	1000	
Lead (Pb)	µg/L	50	
Total Chromium	µg/L	50	
1,1 Dichloroethane	µg/L	5	
1,1 Dichloroethylene	µg/L	6	
1,1,1 Trichloroethane	µg/L	200	
1,1,2 Trichloroethane	µg/L	5	
1,1,2,2 Tetrachloroethane	µg/L	1	
1,2 Dichloroethane	µg/L	0.5	
1,2-Trans Dichloroethylene	µg/L	10	
Tetrachloroethylene	µg/L	5	
Trichloroethylene	µg/L	5	
Carbon Tetrachloride	µg/L	0.5	
Vinyl Chloride	µg/L	0.5	
Total Trihalomethanes	µg/L	80	
Benzene	µg/L	1	
Methyl tertiary butyl ether (MTBE)	µg/L	5	

FREQUENCY OF DISCHARGE:

The discharge of groundwater will be intermittent.

REUSE OF WATER:

Offsite disposal of treated waste is not feasible due to high cost of disposal. Discharge to the sewer is not feasible because of the large volume of water involved. The property and the immediate vicinity have no landscaped areas that require irrigation. Since there are no feasible reuse options, the groundwater will be discharged to the storm drain.