

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

**FACT SHEET  
WASTE DISCHARGE REQUIREMENTS  
FOR**

**CALIFORNIA WATER SERVICE COMPANY  
(DOMINGUEZ CHANNEL WATERSHED  
POTABLE WATER SUPPLY WELLS)**

**NPDES NO. CAG994005  
CI-8706**

**FACILITY ADDRESS**

(Various locations in the cities of Carson, Compton, Hawthorne, Long Beach, and Redondo Beach, see table below)

**FACILITY MAILING ADDRESS**

2632 West 237<sup>th</sup> 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. The blown-off water is dechlorinated before discharge to the storm drain.

This authorization covers discharges from the following potable water supply wells:

Well Number	Location	Latitude	Longitude	Receiving Waterbody
203-01	18800 South Wilmington Ave. Compton	33° 51' 32"	118° 14' 01"	Dominguez Channel
215-01	21718 S. Alameda Street Carson	33° 49' 54"	118° 13' 32"	Dominguez Channel
215-02	21718 S. Alameda Street Carson	33° 49' 54"	118° 13' 32"	Dominguez Channel
219-02	418 E. Carson Street Carson	33° 49' 54"	118° 16' 12"	Dominguez Channel

Well Number	Location	Latitude	Longitude	Receiving Waterbody
277-01	22050 Westward Way Carson	33° 49' 35"	118° 14' 05"	Dominguez Channel
279-01	SW of 229 <sup>th</sup> & Anchor Street Carson	33° 49' 02"	118° 15' 52"	Dominguez Channel
294-01	4100 S. Santa Fe Avenue Long Beach	33° 49' 41"	118° 12' 59"	Dominguez Channel
298-01	21718 S. Alameda Street Carson	33° 49' 54"	118° 13' 32"	Dominguez Channel
4-01	NW corner of Ramona Avenue & 125 <sup>th</sup> Street, Hawthorne	33° 55' 08"	118° 21' 26"	Dominguez Channel
8-01	12540 S. Ramona Avenue Hawthorne	33° 55' 08"	118° 21' 26"	Dominguez Channel
12-01	12601 S. Ramona Avenue Hawthorne	33° 55' 08"	118° 21' 26"	Dominguez Channel
13-01	Gale Avenue & 123 <sup>rd</sup> Street Hawthorne	33° 55' 08"	118° 21' 26"	Dominguez Channel
8-02	2515 Vandorbilt Lane Redondo Beach	33° 52' 19"	118° 21' 53"	Dominguez Channel
22-01	2523 Graham Avenue Redondo Beach	33° 52' 46"	118° 21' 49"	Dominguez Channel
30-01	2811 Inglewood Avenue Redondo Beach	33° 52' 53"	118° 21' 41"	Dominguez Channel

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 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 Dominguez Channel, a water of the United States. The site location map is shown in Figures 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 Dominguez Channel 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 <sub>5</sub> 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 and seasonal.

**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.