

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
(RIO HONDO WATER SUPPLY WELLS)**

**NPDES NO. CAG994005
CI-8717**

FACILITY ADDRESS

(Various locations, see table below)

FACILITY MAILING ADDRESS

3316 West Beverly Boulevard
Montebello, CA 90640

PROJECT DESCRIPTION:

The California Water Service Company (CWSC) proposes to discharge groundwater associated with the well redevelopment, and conducting of pumping tests at the following wells listed below. The discharges covered by this permit includes groundwater from potable water supply wells generated during well purging for data collection purposes, groundwater extracted from major well-rehabilitation and redevelopment activities, and groundwater generated from well drilling, construction and development.

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 developed. The pumped groundwater will be collected into sedimentation tanks and will be dechlorinated before being discharged into the storm drain. Prior to discharge (when necessary), the groundwater will be passed through a treatment system consisting of settling tank and granulated activated carbon (GAC) for removal of organics before the discharge.

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

Well Number	Location	Latitude	Longitude	Receiving Waterbody
3E	3420 S. Garfield Avenue Commerce	33° 58' 55"	118° 8' 9"	Rio Hondo
3D	5960 S. Garfield Avenue Commerce	33° 58' 55"	118° 8' 28"	Rio Hondo
4L	3317 S. Garfield Avenue Commerce	33° 59' 4"	118° 8' 25"	Rio Hondo

Well Number	Location	Latitude	Longitude	Receiving Waterbody
6-01	6600 E. 26 th Street Commerce	33° 59' 14"	118° 8' 14"	Rio Hondo
7-01	7210 Dominion Avenue Commerce	33° 58' 35"	118° 8' 4"	Rio Hondo
38-02	6484 Telegraph Road Commerce	33° 59' 38"	118° 8' 36"	Rio Hondo
56-01	6606 Washington Blvd. Commerce	33° 59' 60"	118° 8' 7"	Rio Hondo
1	1500 Bluff Road Montebello	33° 58' 53"	118° 7' 0"	Rio Hondo

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 4.3 million gallons per day 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 pumps. 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 drain into Rio Hondo (between Whittier Narrows Flood Control and Santa Ana Freeway), 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 Rio Hondo (between Whittier Narrows Flood Control and Santa Ana Freeway) that has a designated beneficial use of MUN (Potential). The effluent limitations in Attachment B.7.f of the Order are 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	---
Total Dissolve Solids	mg/L	750	
Sulfate	mg/L	300	
Chloride	mg/L	180	
Nitrogen ¹	mg/L	8	

¹ Nitrate-nitrogen plus nitrite nitrogen.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
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 waste is not feasible due to high cost of disposal. Discharge to the sewer is not feasible because of inaccessibility and the high cost of sewer connection. The property and the immediate vicinities have no landscaped areas that require irrigation. Since there are no feasible reuse options, the groundwater will be discharged to the storm drain at the various locations.