

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
SOUTHERN CALIFORNIA WATER COMPANY
HAWAIIAN PLANT**

**NPDES NO. CAG994003
CI-8898**

FACILITY ADDRESS

20702 Hawaiian Avenue
Lakewood, CA 90715

FACILITY MAILING ADDRESS

12035 Burke Street
Santa Fe Springs, CA 90670

PROJECT DESCRIPTION:

Southern California Water Company (Discharger) operates a potable water supply facility, Hawaiian Plant, located at 20702 Hawaiian Avenue in the City of Lakewood (see Figure 1 for site location). The Discharger will set up a treatment process to remove manganese and arsenic from the groundwater at the site, which consists of filters to remove insoluble manganese dioxide generated by addition of sodium hypochlorite, and adsorbers to remove arsenic from the groundwater. (see Figure 2 for the treatment system). Sodium hypochlorite is a compound that potable water industry regularly uses to prevent and control bacteria growth in potable water convey system and will be kept within normal potable water standard ranges in the Hawaiian Plant potable water. Periodic backwash of the filters will be needed to maintain the efficiency of the manganese filtration process, while the media in adsorbers will be disposed of off-site when the adsorption capacity is reached. Backwash water will be collected in a 22,000-gallon waste backwash equalization tank and will be decanted after the manganese dioxide has been settled out. After the settling of the manganese dioxide, the decanted backwash water will be discharged to the storm drain.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 15,000 gallons per day of backwash wastewater will be discharged to Outfall No. 1 (Latitude: 33° 50' 32", Longitude: 118° 38' 49") which flows into the Coyote Creek, a water of the United States.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The discharge flows into the Coyote Creek, thence to the San

Gabriel River between Firestone Boulevard and San Gabriel River Estuary. Therefore, the discharge limitations in Attachment B are not applicable to the 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
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	N/A
Phenols	mg/L	1.0	N/A
Residual Chlorine	mg/L	0.1	N/A
Arsenic	µg/L	50	
Methylene Blue Active Substances (MBAS)	mg/L	0.5	N/A

FREQUENCY OF DISCHARGE:

The intermittent discharge is expected to last throughout the life of the treatment facility.

REUSE OF WATER:

Offsite disposal of the discharge is not feasible due to high cost of disposal. The property and the immediate vicinity have no landscaped areas that require irrigation using the discharge. Therefore, the wastewater will be discharged to the storm drain.