

**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
CITY OF MONROVIA-DEPARTMENT OF PUBLIC WORKS
(GROUNDWATER TREATMENT PLANT)**

CI-9101

FACILITY ADDRESS

2655 South Myrtle Avenue
Monrovia, CA 91016

FACILITY MAILING ADDRESS

415 South Ivy Avenue
Monrovia, CA 91016

PROJECT DESCRIPTION:

The City of Monrovia (The City) is constructing a groundwater treatment plant at 2655 South Myrtle Avenue, Monrovia. Groundwater from City Wells Nos. 2, 3, 4, 5, and 6 has high levels of tetrachloroethylene and trichloroethylene. Pumped groundwater from these wells will be treated to remove tetrachloroethylene, trichloroethylene and any potential contaminants prior to being served for potable use within the city service areas. It is necessary to discharge start-up water from the treatment plant during the initial plant operation. According to Department of Health Services (DHS) requirements, the groundwater treatment plant start-up water shall not be supplied to the public until the treated groundwater quality is approved as satisfactory by DHS. Up to 3.0 million gallons per day (mgd) of groundwater will be treated by passing through air stripper to remove tetrachloroethylene and trichloroethylene prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE:

It is estimated that up to 3.0 million gallons per day (MGD) of groundwater will be discharged from the well activities into the catch basin in the facility (Latitude: 34° 6' 55", Longitude: 118° 0' 12"). The discharge from the stormdrain flows into Sawpit Wash, thence into the Rio Hondo Channel, a water of the United States. The site location map and waste flow diagram are shown as Figures 1 and 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed on the Table below have been determined to show reasonable potential to exist in the discharge. The groundwater discharge from the project flows into Rio Hondo Channel (upstream of Whittier Narrows Flood Control Basin). Therefore, the discharge limitations specified in Attachment B.7.g. of Order No. R4-2003-0108 are applicable to the discharge.

June 1, 2006

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

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Dissolved Solids	mg/L	750	
Sulfate	mg/L	300	
Chloride	mg/L	150	
Nitrogen ¹	mg/L	8	
Tetrachloroethylene	µg/L	5	
Trichloroethylene	µg/L	5	
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	---

FREQUENCY OF DISCHARGE:

The discharge will be continuous.

REUSE OF WATER:

Due to lack of landscaping area at the site and inability to economically transport the large volume of water for reuse, an alternative method of disposal is not feasible. Therefore, the groundwater will be discharged to the Rio Hondo Channel.

¹ Nitrate-nitrogen plus nitrite-nitrogen