

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF MONTEREY PARK
(DELTA PLANT)
(NPDES NO. CAG914001, SERIES NO. 061)
CI-8584

FACILITY LOCATION

Delta Plant
2657 Delta Avenue
Rosemead, CA 91770

FACILITY MAILING ADDRESS

City of Monterey Park
320 West Newmark Avenue
Monterey Park, CA 91754

PROJECT DESCRIPTION

City of Monterey Park (City) operates five active and six inactive wells. Volatile organic compounds (VOC), primarily tetrachloroethylene, have been detected in all eleven wells. The City operates two groundwater treatment facilities at Delta Plant (Treatment Facilities No.1 and No.2) located on 2657 Delta Avenue in Rosemead as an immediate remedy for the source of water supply. Treatment Facility No. 1 is designed to remove VOC from groundwater produced from City Wells No. 1, 3, and 10. This VOC treatment facility consists of twelve liquid-phase granular activated carbon (GAC) with an on-line nitrate analyzer to continuously monitor nitrate concentration in the treated water. Groundwater from City Wells No. 9, 12, and 15 will be treated for VOC using an air stripper at an existing treatment facility located at 8815 Klingerman Street in Rosemead. Then the groundwater is piped into a Treatment Facility No. 2 to remove perchlorate using a series of ion exchange vessels. The City discharges treated groundwater during startup testing of the facility into the Alhambra Wash.

VOLUME AND DESCRIPTION OF DISCHARGE

The City proposes to discharges up to 5.5 million gallons per day of treated groundwater from the Treatment Facility No. 1, and up to 6.5 million gallons per day of treated groundwater from the Treatment Facility No. 2 during the startup testing periods. The discharge from the two treatment facilities will not occur simultaneously. These high rates of discharges would occur only during 7 day test periods at each of the treatment plants. The high discharge rate during startup phase and backwashing of GAC vessels is needed in order to demonstrate to the California Department of Health Services (DHS) that the water quality produced by the treatment plant is equivalent to, or better than, that expected during the design phase of the project. The treated groundwater will be discharged into the Alhambra Wash Discharge Point 1 (Latitude 34° 03' 38", Longitude 118° 05' 08"), thence to the Rio Hondo River, a water of the United States. See Figures 1 and 2 for the site location and schematic of waste flow diagram, respectively.

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 Alhambra Wash thence to Rio Hondo Channel (upstream of Whittier Narrows Flood Control Basin). Therefore, the limitations in Attachment B.7.g of Order No. R4-2003-0111 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
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	---
Total Dissolved Solids	mg/L	750	---
Sulfate	mg/L	300	---
Chloride	mg/L	150	---
Nitrate-nitrogen + Nitrite-nitrogen	mg/L	8	---
Phenols	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Trichloroethylene	µg/L	5	---
Tetrachloroethylene	µg/L	5	---
1,4-dioxane	µg/L	3	---
N-Nitrosodimethyl amine (NDMA)	µg/L	0.00069	---

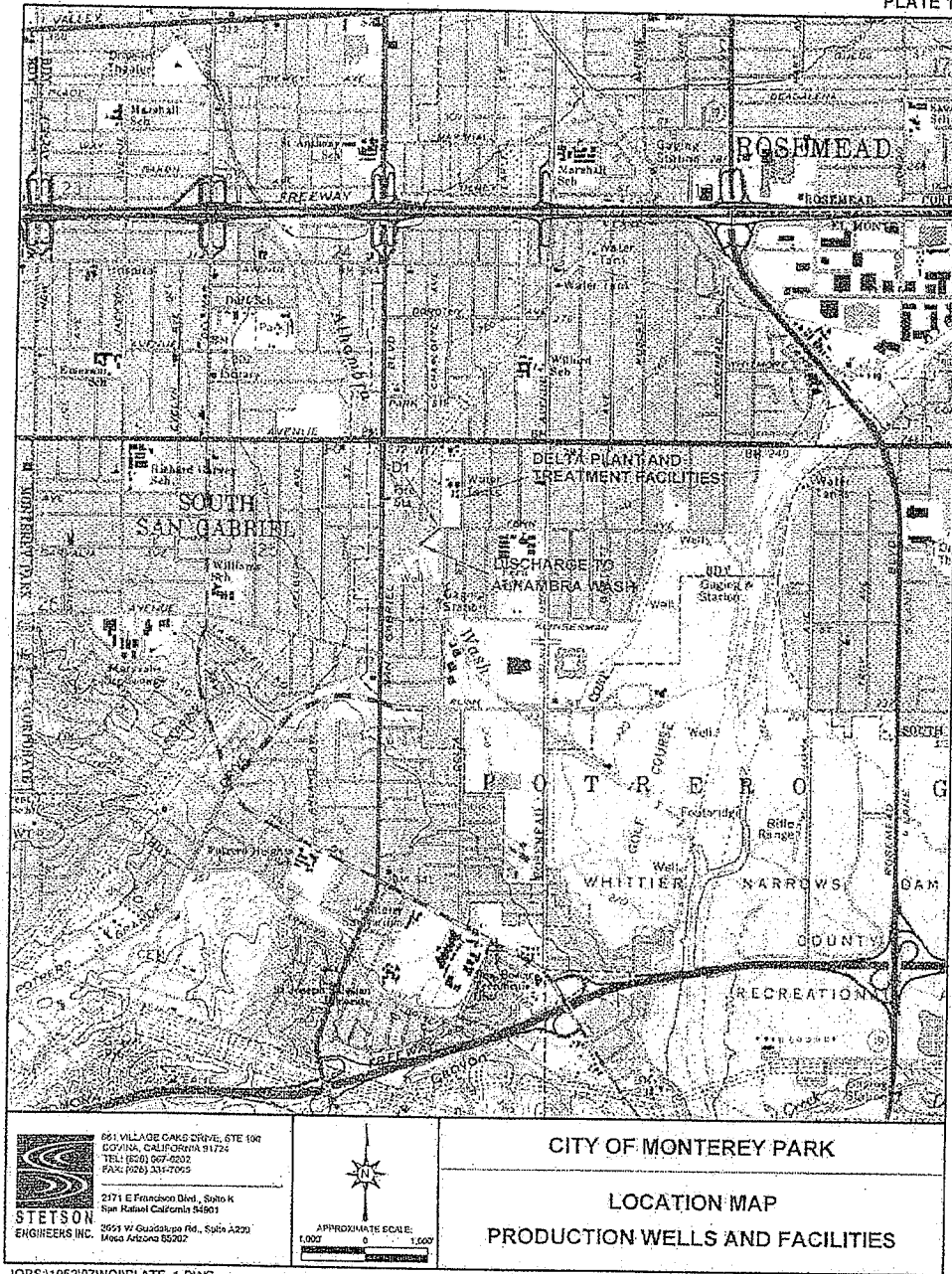
FREQUENCY OF DISCHARGE

The discharge of groundwater will be intermittent. The high rate short-term discharges will occur for a period of 7 days each at each of the treatment plants.

REUSE OF WATER

It is not economically feasible to haul all the groundwater for off-site disposal. Due to the large volume of groundwater that will be generated, it is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for the discharge. Therefore, the treated groundwater will be discharged to the Alhambra Wash in compliance with the requirements of the attached order.

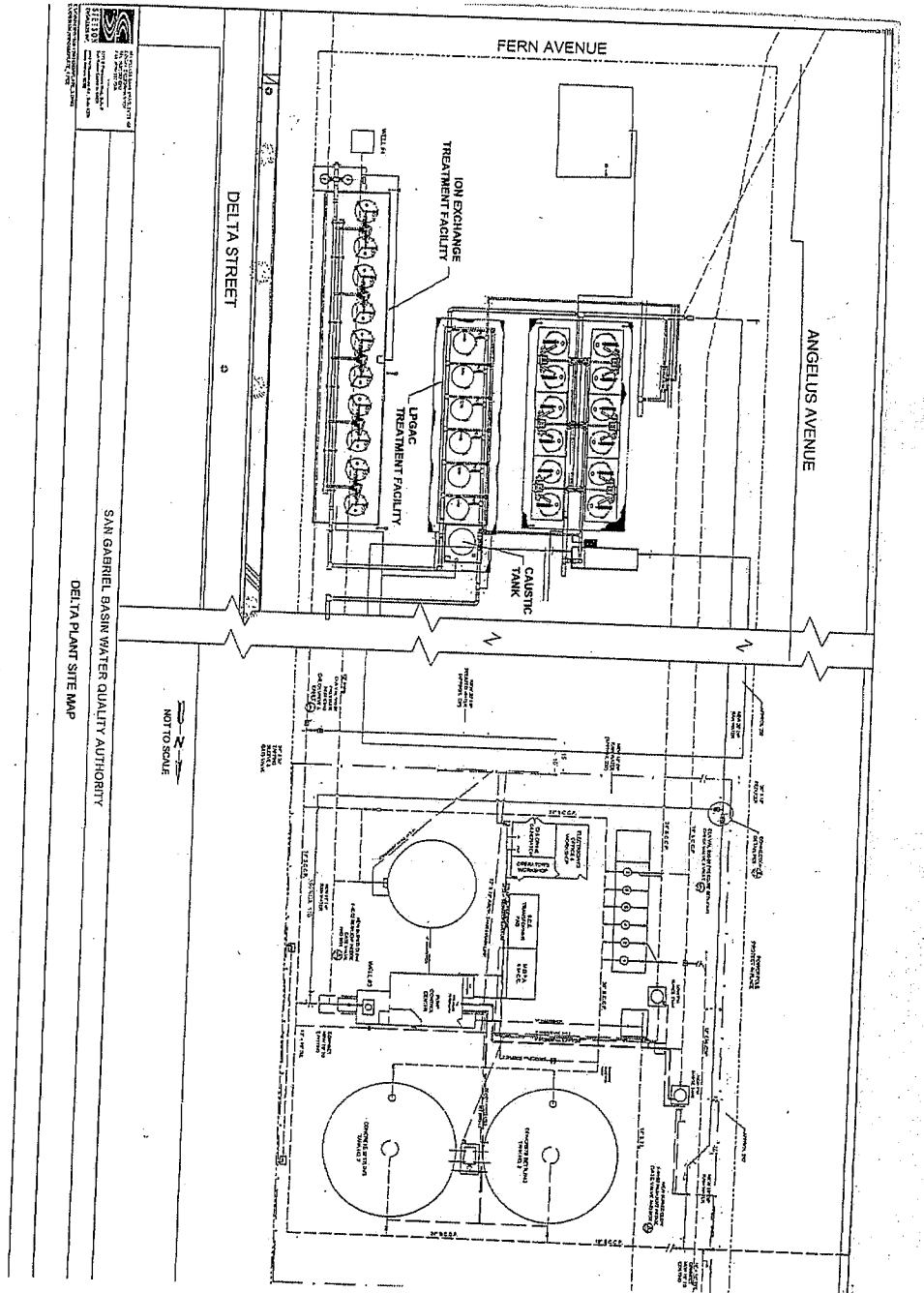
PLATE 1



JOBS:11952:07\10\1\PLATE_1.DWG
JOBS:11952-07.CTB

Site Location

FIGURE 1



**Treatment Schematic
FIGURE 2**