

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 LA VERNE
(Groundwater Treatment Plant Start-Up Operation)
NPDES NO. CAG994005
CI-9073

FACILITATION LOCATION

2898 Amherst Street
La Verne, CA 91750

FACILITY MAILING ADDRESS

3660 D Street
La Verne, CA 91750

PROJECT DESCRIPTION

The City of La Verne (The City) is constructing a groundwater treatment plant at 2898 Amherst Street, La Verne. Groundwater from City Wells Nos. 1, 2, 3, and Amherst Well have high levels of nitrate. Pumped groundwater from these wells will be treated to remove nitrate 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 ion exchange vessel to remove nitrate prior to discharge. Additional treatment unit may be needed for perchlorate removal, if necessary. The ion exchange vessel regeneration brine waste will be hauled offsite to the L.A. County's Wastewater Treatment Plant in the City of Carson.

VOLUME AND DESCRIPTION OF DISCHARGE

It is estimated that up to 3.0 mgd of groundwater will be discharged to the Live Oak Wash at Latitude 34°06'25", Longitude 117°45'30", thence to San Jose Creek, 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 in the Table below have been determined to show reasonable potential to exist in the discharge. The groundwater discharge from the project flows into San Jose Creek and tributaries upstream of 71 Freeway. Therefore, the discharge limitations specified in Attachment B.8.e. are applicable to the discharge.

May 4, 2006

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
Total Dissolved Solids	mg/L	750	---
Sulfate	mg/L	300	---
Chloride	mg/L	150	---
Nitrogen (Nitrate-N + Nitrite-N)	mg/L	8.0	---
Boron	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---

FREQUENCY OF DISCHARGE

The discharge will be continuous for the estimated two weeks of plant start-up operation.

REUSE OF WATER

It is not economically feasible to haul the groundwater for off-site disposal. It is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for this large volume of discharge that will occur during approximately two weeks period. Therefore, the groundwater will be discharged to the wash in compliance with the requirements of the attached order.

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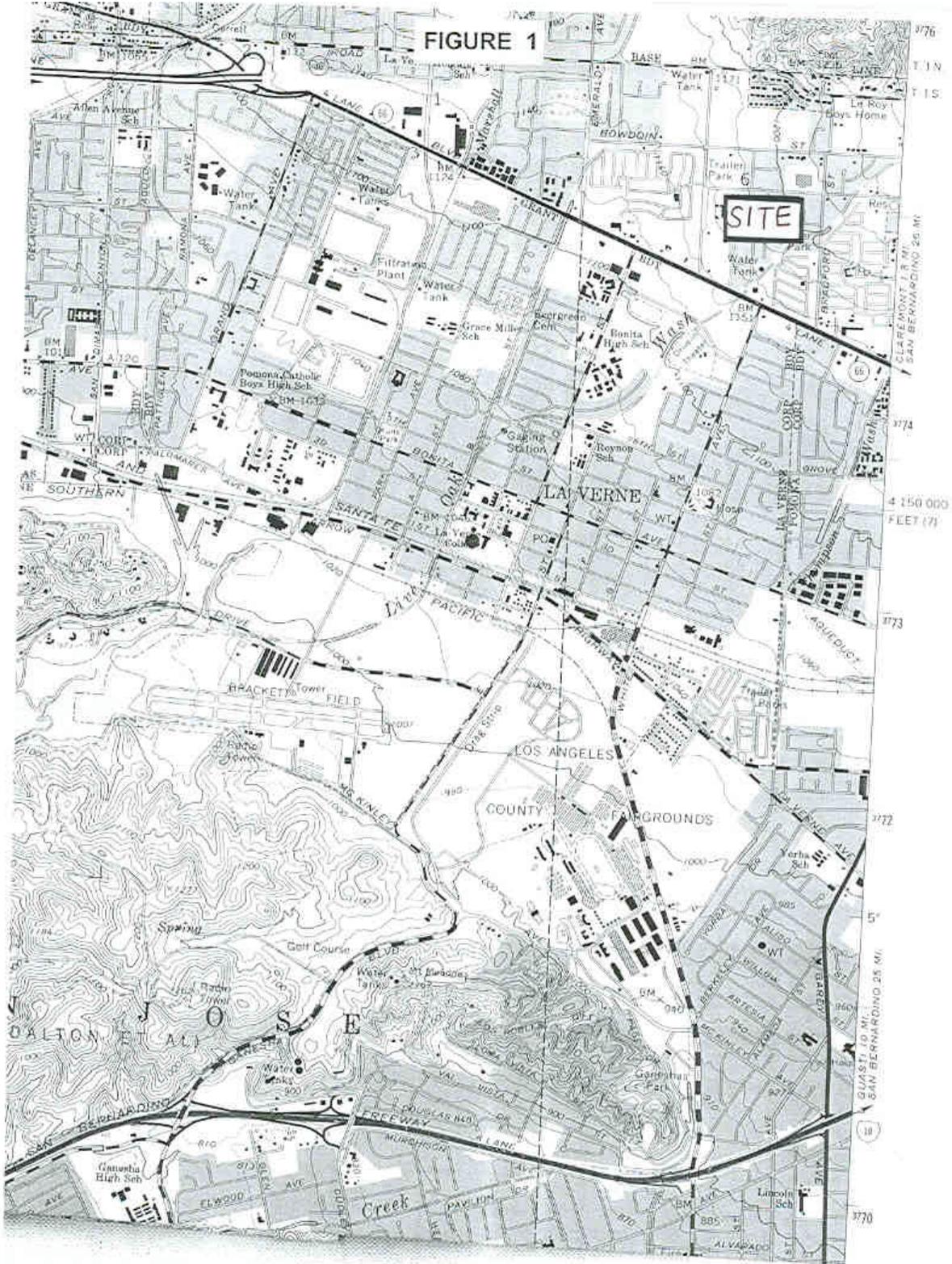


FIGURE 2

