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 ALHAMBRA
(GROUNDWATER TREATMENT PLANT)

NPDES NO. CAG914001
CI-9037

FACILITY ADDRESS
512 South Granada Avenue
Alhambra, CA 91801

FACILITY MAILING ADDRESS
111 South First Street
Alhambra, CA 91801

PROJECT DESCRIPTION:

The City of Alhambra (City) plans to construct a treatment plant to remove nitrate and volatile organic compounds (VOCs) in pumped groundwater from City Wells No. 7, 8, 11, and 12, and proposed Wells No. 17 and 18. The principle VOC contaminants of concern in the groundwater include perchloroethylene and trichloroethylene. The proposed groundwater treatment plant will be constructed at 512 South Granada Avenue in the City of Alhambra (see Figure 1 for site location). The City needs to discharge wastewater during the start-up of the treatment plant to comply with the Department of Health Services requirements.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 3 million gallons per day (mgd) of groundwater will be discharged from the City's groundwater treatment plant. The groundwater will be treated with filters to remove suspended solids, activated carbon tanks to remove VOCs, and ion exchange tanks to remove nitrate (see Figure 2 for treatment scheme). The City needs to discharge the treated groundwater at this high rate for approximately 3 weeks. Discharge above 2.5 mgd is permitted only for the first 6 months of operation, thereafter the maximum discharge authorized under this enrollment shall be no more than 1 mgd. The groundwater will be discharged to Outfall No. 001 (Latitude: 34° 05' 39", Longitude: 118° 06' 47"), which flows into Alhambra Wash, a water of the United States.

FREQUENCY OF DISCHARGE:

The discharge of the treated groundwater will be continues during the start-up of the treatment plant operation. The City will complete the start-up discharge within 2 months.

REUSE OF WATER:

Offsite disposal of treated wastewater is not feasible due to the high cost of disposal. Discharge to the sewer is not feasible because the local POTW refuses to accept the discharge. The property and the immediate vicinity have no landscaped areas that need consume large amount of groundwater. Since there are no feasible reuse options, the groundwater will be discharged to the surface water.

May 04, 2006