

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
LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS
(DOMINGER DRAIN AND PUMP STATION PROJECT)**

**NPDES NO. CAG994004
CI-8437**

FACILITY ADDRESS

East Torrance Boulevard/Jamison Street
Carson, CA 90745

FACILITY MAILING ADDRESS

900 S. Fremont Avenue, 8th Floor
Alhambra, CA 91803

PROJECT DESCRIPTION:

The County of Los Angeles Department of Public Works (LACDPW) discharges groundwater generated from the construction of a new pump station and storm drain located at East Torrance Boulevard and Jamison Street, Carson. The project consists of 2,400 feet of storm drain and a pump station. The project will reduce flooding in the adjacent residential area. The groundwater beneath the site is impacted with volatile organic compounds (VOCs) and other heavy metals. Prior to discharge, the groundwater will be passed through a treatment system consisting of settling tanks, particulate ion exchange, and granulated activated carbon (GAC) canisters for removal of organics. Metals removal will be achieved through chemical coagulation, settlement and clarification.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 240,000 gallons per day (gpd) of groundwater will be discharged into the storm drain located along Torrance Boulevard and Jamison Street (Latitude: 33° 50' 32", Longitude: 118° 16' 35"). The discharge from the storm drain flows into the Dominguez Channel, waters of the United States. The site location map and process flow diagram are shown in Figures 1 and 2, respectively.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements and previous monitoring reports, the following constituents listed in the Table below have been determined to show reasonable potential to exist in your discharge. The discharge of treated groundwater flows into the Dominguez Channel. This stream reach of the Dominguez Channel is designated as MUN (Potential) beneficial use. The effluent limitations in Attachment B are not applicable to your discharge.

This Table lists the specific constituents and effluent limitations applicable to your 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 | |
| Phenols | mg/L | 1.0 | |
| Residual Chlorine | mg/L | 0.1 | |
| Methylene Blue Active Substances (MBAS) | mg/L | 0.5 | |
| Volatile Organic Compounds | | | |
| Benzene | µg/L | 1.0 | |
| Toulene | µg/L | 150 | |
| Semi-Volatile Organic Compounds | | | |
| Bis(2-Ehtylhexyl) phthhalate | µg/L | 11 | 5.9 |
| Miscellaneous | | | |
| Total Petroleum Hydrocarbons | µg/L | 100 | |
| Metals | | | |
| Arsenic (As) | µg/L | 50 | |

FREQUENCY OF DISCHARGE:

The discharge of treated groundwater will be intermittent.

REUSE OF WATER:

Offsite disposal of treated groundwater is not feasible due to high cost of disposal. Discharge to the sewer is not feasible because of inaccessibility and the high cost of sewer connection. The property and the immediate vicinity have no landscaped areas that require irrigation. Since there are no feasible reuse options, the groundwater will be discharged to the Dominguez Channel.