

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 ARCADIA
(Colorado Well Aquifer Testing, Development, and Start-Up Project)
NPDES NO. CAG994005
CI-9216

FACILITATION LOCATION

500 W. Colorado Street
Arcadia, CA 91007

FACILITY MAILING ADDRESS

11800 Goldring Road
Arcadia, CA 91006

PROJECT DESCRIPTION

The City of Arcadia (The City) proposes to drill and install Colorado Well at 500 W. Colorado Street, Arcadia. Upon completion, The City will conduct well development, aquifer testing, and project start-up. To properly test the aquifer and the potable water supply well pumps, The City proposes to discharge up to 2.16 million gallons per day (MGD) of groundwater. Baker tanks will be used for settling suspended solids prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

It is estimated that up to 2.16 mgd of groundwater will be discharged to the Arcadia Wash at Latitude 34°08'45", Longitude 118°03'15", thence to Rio Hondo which flows to the Los Angeles River, a water of the United States. The site location map is shown as Figure 1.

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 Rio Hondo, upstream of Whittier Narrows Flood Control Basin. Therefore, the discharge limitations specified in Attachment B.7.g. are applicable to the discharge.

December 13, 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 | --- |
| Residual Chlorine | mg/L | 0.1 | --- |

FREQUENCY OF DISCHARGE

The intermittent discharge will last approximately one week.

REUSE OF WATER

The City indicates that it is not economically feasible to haul the groundwater off-site and that it is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for this large volume short-term discharge. Therefore, the groundwater will be discharged to the wash in compliance with the requirements of the attached order.

FIGURE 1

