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
U.S. GEOLOGICAL SURVEY – LOS ANGELES BASIN
(LOS ANGELES RIVER WATERSHED)
NPDES NO. CAG994005
CI-8338

PROJECT LOCATION	FACILITY MAILING ADDRESS
Los Angeles Coastal Hydrologic Basin	5735 Kearny Villa Road, Suite "O"
Los Angeles River Watershed, California	San Diego, CA 92123
	Contact: Michael T. Land

PROJECT DESCRIPTION

The U.S. Geological Survey (USGS) in cooperation with the Water Replenishment District of Southern California is currently studying the geology, hydrology, and geochemistry of the Los Angeles Coastal Hydrologic basin in Los Angeles County. The purpose of the work is to characterize the regional groundwater flow system in order to provide an improved basis for evaluating groundwater issues related to management, replenishment, and protection. The USGS proposes to discharge groundwater associated with construction, development, and purging of monitoring wells in Los Angeles River Watershed.

VOLUME AND DESCRIPTION OF DISCHARGE

The USGS discharges up to 1,000 gallons per day of groundwater from fifty-seven existing monitoring wells into the Los Angeles River. A field portable granular-activated charcoal treatment system or other appropriate treatment will be used, when necessary, to remove volatile organic compounds or other contaminants prior to discharge. See Figure 1 for a schematic flow diagram. The groundwater will be discharged through existing storm drains and will flow to Los Angeles River, a water of the United States. See Table 1 for the monitoring well identifications and outfall descriptions. See Figure 2 for site locations.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data showed reasonable potential for toxics to exist in the groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are applicable to your discharge. The discharge flows to the Los Angeles River Watershed; therefore, discharge limitations in Attachment B are applicable to your discharge.

Tables 1 and 2 below list the specific constituents and effluent limitations applicable to your
discharge.

Table 1.

| Constituents | Units | Discharge Limitations | |
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
$BOD_5 20^oC$	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---
Copper	µg/L	1000	---
Lead	µg/L	50	---
Total Chromium	µg/L	50	---
1,1-Dichloroethane	µg/L	5	---
1,1-Dichloroethylene	µg/L	6	---
1,1,1-Trichloroethane	µg/L	200	---
1,1,2-Trichloroethane	µg/L	5	---
1,1,2,2-Tetrachloroethane	µg/L	1	---
1,2-Dichloroethane	µg/L	0.5	---
1,2-trans Dichloroethylene	µg/L	10	---
Tetrachloroethylene	µg/L	5	---
Trichloroethylene	µg/L	5	---
Carbon Tetrachloride	µg/L	0.5	---
Vinyl Chloride	µg/L	0.5	---
Total Trihalomethanes	µg/L	80	---
Benzene	µg/L	1	---
Methyl tertiary butyl ether	µg/L	5	---

Table 2.
(Applicable Mineral Limitations for Discharges within Los Angeles River Watershed)

WATERSHED/STREAM REACH	TDS (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Boron (mg/L)	Nitrogen[**] (mg/L)
Los Angeles River Watershed:					
Los Angeles River - between Figueroa Street and L. A. River Estuary (Willow Street). Includes Rio Hondo below Santa Ana Freeway	1500	350	190	---	8
Rio Hondo - between Whittier Narrows Flood Control Basin and Santa Ana Freeway	750	300	180	---	8

[**]   Nitrate-nitrogen plus nitrite-nitrogen (NO_3-N + NO_2-N).

FREQUENCY OF DISCHARGE

The discharge will be intermittent during construction, development, and monitoring of the wells. Sampling at each monitoring well is proposed to be conducted during summer and winter months.

REUSE OF WATER

The discharge of groundwater from the project site into an existing distribution system or recycling facility is not cost-effective. Therefore, reuse is not feasible, and the wastewater will be discharged to the storm drain.