

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**

**SOUTHERN CALIFORNIA EDISON COMPANY
(MIDDLE RANCH WELL 6A)**

**NPDES NO. CAG994005
CI-8820**

FACILITY ADDRESS

Near Thompson Dam
Avalon, California

FACILITY MAILING ADDRESS

P. O. Box 800
Rosemead, CA 91770

PROJECT DESCRIPTION:

The Southern California Edison Company (Edison Company) is the domestic water supplier for Catalina Island. Edison Company proposes to discharge groundwater generated during well development, well pumping and an aquifer test of Middle Ranch Well 6A, at the above-referenced facility. Edison Company will also discharge groundwater during the required Department of Health Services (DHS) sampling activities.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 432,000 gallons per day of groundwater will be discharged during well development and subsequent pumping and aquifer tests. The discharge flows into the Thompson Dam Reservoir (Middle Ranch System), thence to the Pacific Ocean (Latitude: 33° 21' 03", Longitude: 118° 26' 06"), a water of the United States. The discharge must be confined to Thompson Reservoir. The site location map is shown in Figure 1.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data showed reasonable potential for toxics to exist in 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.1. and E.2. are applicable to your discharge. The discharge flows into the Thompson Dam (Middle Ranch System) that has a designated beneficial use of MUN (Potential). The effluent limitations in Attachment B of the Order are not applicable to your discharge.

This Table lists the specific constituents and effluent limitations applicable to the discharge.

November 2, 2004

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
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---
Copper (Cu)	µg/L	1000	
Lead (Pb)	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 (MTBE)	µg/L	5	

FREQUENCY OF DISCHARGE:

The discharge of groundwater will be intermittent and will last up to 10 days.

REUSE OF WATER:

Offsite disposal of treated waste is not feasible due to high cost of disposal. Discharge to the sewer is not feasible because of the large volume of water involved. Since there are no feasible reuse options, the groundwater will be discharged to the Reservoir.