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
ATLANTIC RICHFIELD COMPANY
(ARCO GASOLINE STATION #1601)

NPDES NO. CAG834001
CI-8825

FACILITY ADDRESS	**FACILITY MAILING ADDRESS**
1785 Bellflower Boulevard Long Beach, CA 90808	27141 Aliso Creek, Suite 270 Aliso Viejo, California 92656

PROJECT DESCRIPTION:

Atlantic Richfield Company proposes to discharge wastewater from the groundwater cleanup project at 1785 Bellflower Boulevard, Long Beach, California. The groundwater beneath the project site is impacted with petroleum-fuel and other heavy metals. Prior to discharge, the extracted groundwater will be treated by passing it through three 1000-lbs granular activated carbon (GAC) absorption vessels. Metals removal will be achieved through chemical coagulation, settlement and clarification. The treated water will then be passed through polishing filters before discharge.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 14,400 gallons per day of treated groundwater will be discharged into a storm drain located along Bellflower Boulevard (Latitude: 33° 47' 18", Longitude: 118° 07' 29"). The discharge from the storm drain flows into Los Cerritos Channel, thence into Alamitos Bay, a water of the United States. The site location map and process flow diagrams are shown in Figures 1 and 2, respectively.

FREQUENCY OF DISCHARGE:

The discharge of treated groundwater will be intermittent.

REUSE OF WATER:

Offsite disposal of treated waste is not feasible due to high cost of disposal. 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 storm drain.

December 21, 2004

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The discharge flows into the into Los Cerritos Channel, thence into Alamitos Bay. This stream reach of the Los Cerritos Channel to Estuary is designated MUN (Potential) beneficial use. Therefore, the discharge limitations for "Saltwater bodies" apply to the 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	
Ethylbenzene	µg/L	700	
Toluene	µg/L	150	
Ethylbenzene	µg/L	700	
Methyl tertiary butyl ether (MTBE)	µg/L	5	
1,2-Diphenylhydrazine	µg/L	1.1	0.54
Benzo(a)Anthracene	µg/L	0.098	0.049
Benzo(k)Flouranthene	µg/L	0.098	0.049
Bis(2-Ethylhexyl) phthalate	µg/L	11	5.9
Chrysene	µg/L	0.098	0.049
Dibenzon(a,h)-antracene	µg/L	0.098	0.049
Indeno(1,2,3,cd)-pyrene	µg/L	0.098	0.049
Naphthalene	µg/L	21	
Miscellaneous			

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Di-isopropyl Ether (DIPE)	µg/L	0.8	0
Tertiary Butyl Alcohol (TBA)	µg/L	12	
Total petroleum hydrocarbons	µg/L	100	
Metals			
Copper	µg/L	5.8	2.9
Lead	µg/L	14	7
Nickel	µg/L	14	6.7

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