

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 00-089

NPDES NO. CA0059285

WASTE DISCHARGE REQUIREMENTS
FOR
ATLANTIC RICHFIELD COMPANY
(Long Beach Marine Terminal 1, Berth 121)

The California Regional Water Quality Control Board (RWQCB), Los Angeles Region (Regional Board), finds:

1. Atlantic Richfield Company (hereinafter ARCO or Discharger) discharges stormwater runoff from the Long Beach Marine Terminal 1, Berth 121 under waste discharge requirements contained in Order No. 94-066 (NPDES No. CA0059285) adopted by this Regional Board on July 18, 1994.
2. ARCO has filed a Report of Waste Discharge (ROWD) and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System (NPDES) permit.
3. ARCO operates a marine terminal on Pier "T" Avenue, Berth 121, Long Beach, California, for transfer of crude oil. The facility intermittently discharges up to 0.05 million gallons per day (mgd) of stormwater runoff that may pick up pollutants (crude oil). The wastewater passes through an oil-water separator prior to discharge to Long Beach Inner Harbor, a water of the United States, through outfall Serial No. 001 (Latitude 33° 45' 30N", Longitude 118° 13' 15W").
4. The Long Beach Marine Terminal 1 Berth 121 facility discharges up to 0.168 mgd of tank hydrotest water. Tank No. 150 usually stores diesel fuel or cutter stock. During the hydrotest the tank is filled with municipal water. This operation occurs infrequently; only after the tank has been repaired and/or cleaned. The tank hydrotest water is discharged through outfall Serial No. 001 when the test is complete.
5. The facility also discharges up to 0.001 mgd of fresh water washdown through outfall Serial No. 001. This washdown is city water that has been used to clean surfaces onsite. The washdown water passes through an oil/water separator prior to discharge to the Long Beach Inner Harbor.
6. The Board adopted a revised Water Quality Control Plan (Basin Plan) for the Coastal Watersheds of Los Angeles and Ventura Counties on June 13, 1994. This plan contains water quality objectives and beneficial uses for Long Beach Inner Harbor. The requirements contained in this Order, as they are met, will be in conformance with the goal

May 16, 2000
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of the Basin Plan and will protect and maintain the beneficial uses of the receiving water body.

The beneficial uses of the receiving waters are:

Los Angeles – Long Beach Harbor (All Other Inner Harbors) (Hydrological Unit No. 405.12)

- existing: industrial service supply, navigation, non-contact water recreation, commercial and sport fishing, marine habitat, rare, threatened or endangered species;
- potential: water contact recreation and shellfish harvesting.

Los Angeles-Long Beach Outer Harbor (Hydrological Unit No. 405.12)

- existing: navigation, contact and non-contact recreation, commercial and sport fishing, marine habitat, rare, threatened and endangered species;
- potential: shellfish harvesting.

Pacific Ocean

- existing: industrial water supply, water contact and non-contact recreation, including aesthetic enjoyment, navigation, commercial and sport fishing, mariculture, preservation and enhancement of Areas of Special Biological Significance, rare and endangered species, marine habitat, fish migration, fish spawning and shellfish harvesting.

7. In 1997, the State Water Resources Control Board adopted the “Water Quality Control Plan (Ocean Waters of California)”. This plan contains beneficial uses, water quality objectives and general requirements for the management of waste discharge to the ocean.
8. On May 18, 2000, the United States Environmental Protection Agency (USEPA) promulgated numeric criteria for priority pollutants for the state of California [known as the California Toxics Rule (CTR) and codified as 40 CFR part 131.38]. On March 2, 2000, State Board adopted the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*. Toxic pollutant limits are prescribed in this Order to implement the CTR.
9. Effluent limitations established pursuant to Sections 208(b), 301, 302, 303(d), 304, 306 and 307 of the Federal Clean Water Act and amendments thereto, are applicable to the discharges to navigable waters and tributaries thereto.
10. The State Water Resources Control Board (SWRCB) 1998 Water Quality Assessment (WQA) identified the water quality conditions of water bodies in the state. The Long Beach Harbor Main Channel, Southeast Basin, West Basin, Pier J and Breakwater are listed on the 1998 303(d) list of impaired waters.

The impairments listed for the Long Beach Harbor are benthic community effects, sediment toxicity, polynuclear aromatic hydrocarbons (PAHs) in sediment, and a fish consumption advisory for DDT and PCBs in tissue.

11. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (California Environmental Quality Act) in accordance with Water Code Section 13389.

The Regional Board has notified the Discharger and interested agencies and persons of its intent to issue waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board, in a public hearing, heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Clean Water Act or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, USEPA, has no objections.

Pursuant to California Water Code Section 13320, any aggrieved party may seek review of this Order by filing a petition with the State Board. A petition must be sent to the State Water Resources Control Board, P.O. Box 100, Sacramento, California, 95812, within 30 days of adoption of the Order.

IT IS HEREBY ORDERED that Atlantic Richfield Company, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

I. DISCHARGE LIMITATIONS

A. Effluent Limitations

1. Wastes discharged shall be limited to 0.05 mgd of collected stormwater runoff, 0.168 mgd of tank hydrostatic test water, and 0.001 mgd of wash down water, only, as proposed.
2. The pH of wastes discharged shall at all times be within the range of 6.5 – 8.5.
3. The temperature of the wastes discharged shall not exceed 100°F.
4. The discharge of an effluent from Discharge Serial No. 001 with constituents in excess of the following limits is prohibited:

<u>Constituents</u>	<u>Units</u>	<u>Discharge Limitations Daily Maximum</u>
BOD ₅	mg/L	30
	lbs/day	12.5
Total Suspended solids	mg/L	150
	lbs/day ^{1/}	63
Sulfides	mg/L	1
	lbs/day ^{1/}	0.4
Oil and grease	mg/L	15
	lbs/day ^{1/}	6.26
Turbidity	NTU	150
Benzene	µg/L	1.0
	lbs/day ^{1/}	0.000004
Ethylbenzene	µg/L	10
	lbs/day ^{1/}	0.004
Toluene	µg/L	10
	lbs/day ^{1/}	0.004
Xylenes	µg/L	10
	lbs/day ^{1/}	0.004
Chromium VI	µg/L	1,100
	lbs/day ^{1/}	0.46
Cadmium	µg/L	42
	lbs/day ^{1/}	0.017
Lead	µg/L	210
	lbs/day ^{1/}	0.088
Zinc	µg/L	90
	lbs/day ^{1/}	0.037
Phenols	µg/L	5
	lbs/day ^{1/}	0.002

^{1/} Based on the maximum discharge flow rate of 0.05 mgd. When the discharge is freshwater washdown or tank hydrotest water the discharge rate mass should be calculated by substituting the appropriate flow and using this formula: Discharge flow rate (mgd) * 8.34 * Effluent concentration (mg/L) = rate mass limit (lbs/day).

5. Acute Toxicity Limitation:

- a. The acute toxicity of the effluent shall be such that the average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, with no single test less than 70% survival.
- b. If the discharge consistently exceeds the acute toxicity limitation, a toxicity investigation evaluation (TIE) is required. The TIE shall include all reasonable steps to identify the source(s) of toxicity. Once the source of toxicity is identified, the Discharger shall take all reasonable steps necessary to reduce toxicity to the required level.

II. REQUIREMENTS AND PROVISIONS

- A. Discharge of wastes to any point other than specifically described in this Order and permit is prohibited and constitutes a violation thereof.
- B. This Order includes the attached Monitoring and Reporting Program (Attachment T). If there is any conflict between provisions stated in the Monitoring and Reporting Program and the Standard Provisions, those provisions stated in the Monitoring and Reporting Program prevail.
- C. This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements" (Standard Provisions, Attachment N). If there is any conflict between provisions stated hereinbefore and the attached "Standard Provisions", those provisions attached hereinbefore prevail.
- D. This Order includes the attached "Storm Water Pollution Prevention Plan" (Attachment A). If there is any conflict between provisions stated hereinbefore and the attached "Standard Provisions", those provisions attached hereinbefore prevail.
- E. This Order may be modified, revoked, and reissued or terminated in accordance with the provisions of 40 CFR Parts 122.44, 122.62, 122.63, 122.64, 125.62, and 125.64.
- F. In the event that wastes are transported to a different disposal site, the Discharger shall report types of wastes, quantity of each type; name and address for each hauler of wastes (or method of transport if other than by hauling); and location of the final point(s) of disposal for each type of waste.
- G. The Discharger must develop and implement a Storm Water Pollution Prevention Plan (SWPPP) in accordance with Attachment A (Storm Water Pollution Prevention Plan) within 90 days of the effective date of this Order. An existing SWPPP which complies with the requirements in Attachment A is acceptable.

III. EXPIRATION DATE

This Order expires on June 10, 2005.

The Discharger must file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of the expiration date as application for issuance of new waste discharge requirements.

IV. RESCISSION

Order No. 94-066, adopted by this Board on June 18, 1994, is hereby rescinded.

I, Dennis A. Dickerson, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on June 29, 2000.

Dennis A. Dickerson
Executive Officer

/CDO