

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

320 West 4th Street, Suite 200, Los Angeles

FACT SHEET
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
FOR
ARCO PRODUCTS COMPANY
(Long Beach Marine Terminal 1, Berth 121)

NPDES NO. CA0059285
Public Notice No.: 00-045

I. INTRODUCTION

1. The Arco Products 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.

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.

FACILITY MAILING ADDRESS

1300 Pier B Street
Long Beach, CA 90813
Attn: Douglas A. Harris

FACILITY LOCATION

Long Beach Marine Terminal 1
Berths 121
Long Beach, CA 90802
Contact: Stephen D. Comley, (562) 499-2241

The proposed NPDES Permit and waste discharge requirements will expire on June 10, 2005.

II. DESCRIPTION OF FACILITY

2. Arco operates the Long Beach Marine Terminal 1, Berth 121 facility for temporary storage and transfer of crude oil products. The facility intermittently discharges up to 0.050 million gallons per day (mgd) of stormwater runoff that may pick up pollutants. The stormwater runoff is passed through an oil-water separator before discharge into Long Beach Inner Harbor, a water of the United States, near Berth 121 (Latitude 33° 45' 30N", Longitude 118° 13' 15W") through Discharge Serial 001.
3. The facility discharges up to 0.168 (mgd) of tank hydrotest discharge water. The hydrotest operation occurs infrequently; only after the tank has been repaired and/or cleaned. The empty fuel storage tank is filled with water, which is used to flush the bunker lines. Once the test is complete, the tank hydrotest discharge water is discharged through Discharge Serial 001.

4. Freshwater washdown, up to 0.001 mgd, is also discharged intermittently through Discharge Serial 001. The water used for the washdown is city water that has been used to clean surfaces onsite. The washdown water passes through a clarifier prior to discharge to the Long Beach Harbor.

III. DESCRIPTION OF DISCHARGE

The stormwater, hydrostatic test water and washdown water is discharged to the Long Beach Inner Harbor, a water of the United States. The discharge point, Serial No. 001, is located near Berth 121.

The ROWD describes the stormwater discharge as follows:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Daily Value</u>
Flow	gal/day	50,000
Temperature	°F	50
TOC	mg/L	42
Oil and Grease	mg/L	6.4
pH	pH Units	8.3
Phenols	mg/L	0.17

The hydrostatic test discharge is described as:

<u>Constituent</u>	<u>Unit</u>	<u>Daily Value</u>
Flow	gal/day	168,000
Acute Toxicity	% Survival	90 - 100
Total Suspended Solids	mg/L	<10
pH	pH Units	7.6
Phenols	mg/L	<0.10
Turbidity	NTU	2.04
BOD ₅	mg/L	<2.0
Benzene	µg/L	<0.50
Ethylbenzene	µg/L	<0.50
Toluene	µg/L	1.20
Xylenes	µg/L	1.7

The washdown water discharge is described as:

<u>Constituent</u>	<u>Unit</u>	<u>Daily Value</u>
Flow	gal/day	1,000
Acute Toxicity	% Survival	95
pH	pH Units	7.12
Phenols	mg/L	<0.10
Oil and Grease	mg/L	<5.0

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<u>Constituent</u>	<u>Unit</u>	<u>Daily Value</u>
Benzene	µg/L	<0.5
Ethylbenzene	µg/L	<0.5
Toluene	µg/L	<0.5
Xylenes	µg/L	<1.0
Sulfides	mg/L	0.64
Total Organic Carbon	mg/L	<10.0

IV. BASIS FOR THE PROPOSED WASTE DISCHARGE REQUIREMENTS

A. BENEFICIAL USES

Receiving Surface Waters are:

Los Angeles – Long Beach Harbor (All Other Inner Harbors) (Hydro 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 (Hydro 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.

B. WATER QUALITY IN LONG BEACH HARBOR

The 1998 State Water Resources Control Board’s (SWRCB) Water Quality Assessment (WQA) identified the water quality conditions of water bodies in the state. The Long Beach Inner Harbor was among the water bodies classified as impaired and is listed on the 1998 California 303(d) List.

The January 2000 Watershed Management Initiative Chapter of California Regional Water Quality Control Board Los Angeles Region states that Long Beach Inner Harbor is on the 303(d) list due to benthic community effects, DDT and PCBs in tissue, PAHs in sediment, and sediment toxicity.

C. STATUTES, RULES, AND REGULATIONS APPLICABLE TO DISCHARGE:

1. Effluent limitations, national standards of performance, toxic and pretreatment effluent standards, established pursuant to Section 208(b), 301, 302, 303(d), 304, 306, 307, and 405 of the Federal Clean Water Act (CWA) and amendments thereto.
2. CWA 402 and 40 CFR Parts 122, 123, and 124 regulations, (and therefore State Board Order Nos. 91-13-DWQ and 92-12-DWQ), for storm water discharges.
3. CWA Section 303(d)(4) and CWA Section 402(o)(2), USEPA Antidegradation Policy.
4. 40 CFR Part 304 regulations for implementation of USEPA's water quality-based limitations for toxic pollutants.
5. Division 7 of the California Water Code is applicable to discharges to navigable water and tributaries thereto.
6. California Drinking Water Standards (California Domestic Water Quality and Monitoring Regulations, Title 22, California Code of Regulations).
7. State Water Resources Control Board Thermal Plan (revised September 18, 1975).
8. State Water Resources Control Board Resolution No. 68-16, (adopted on October 28, 1968), and USEPA 40 CFR 131.2, "Antidegradation Policies."
9. Water quality objectives for surface water and groundwater recharge are followed, according to the Water Quality Control Plan (Basin Plan) for the Coastal Watersheds of Los Angeles and Ventura Counties, adopted June 13, 1994.

D. SPECIFIC RATIONALES FOR EACH OF THE NUMERICAL EFFLUENT LIMITATIONS:

1. The following pollutants are in the current permit (Order No. 94-066) and the numerical limitations are taken from:
 - A/ 40 CFR Part 133;
 - B/ The Basin Plan;
 - C/ 40 CFR Part 131; Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California;
 - D/ Best Professional Judgement from General NPDES Permit No. CAG674001; or
 - E/ From exiting NPDES Permit No. CA0059285, Order No. 94-066.

<u>Constituents</u>	<u>Units</u>	<u>Discharge Limitations</u>
		<u>Daily Maximum</u>
Oil and grease	mg/L	15 ^{A/}
Sulfides	mg/l	1 ^{E/}
Phenol	µg/L	5 ^{E/}
Acute Toxicity	% Survival	100 ^{B/}
Benzene	µg/L	1 ^{B/,E/}
Ethylbenzene	µg/L	10 ^{E/}
Toluene	µg/L	10 ^{E/}
Xylenes	µg/L	10 ^{E/}

2. The following pollutants are being added to the current permit.

<u>Constituents</u>	<u>Units</u>	<u>Discharge Limitations</u>
		<u>Daily Maximum</u>
pH	pH Units	6.5 – 8.5 ^{B/}
BOD ₅	mg/L	30 ^{D/}
Total Suspended solids	mg/L	150 ^{D/}
Turbidity	NTU	150 ^{D/}
Chromium VI	µg/L	1,100 ^{C/}
Lead	µg/L	210 ^{C/}
Cadmium	µg/L	42 ^{C/}
Zinc	µg/L	90 ^{C/}

V. MONITORING

A. EFFLUENT MONITORING

The following pollutants are in the proposed tentative Effluent Monitoring Program (Order No. 00-XXX):

<u>Constituent</u>	<u>Minimum Frequency of Analysis</u>	<u>Current MRP</u>
Total waste flow	once per discharge	same
Turbidity	once per discharge	not required
pH	once per discharge	same
Temperature	once per discharge	same
Total suspended solids	once per discharge	not required
Oil and grease	once per discharge	same
Phenols	once per discharge	same
Chromium(VI)	once per discharge	not required
Lead	once per discharge	not required
Cadmium	once per discharge	annually
Zinc	once per discharge	annually
Acute Toxicity	once per discharge	annually
Benzene	once per discharge	same
Ethylbenzene	once per discharge	same
Xylenes	once per discharge	same
Toluene	once per discharge	same
MTBE	once per discharge	not required
Sulfides	once per discharge	same
Total organic carbon	once per discharge	same
Conductivity	once per discharge	same
Remaining EPA metals And volatile organic compounds (See attachment T-1)	annually	once per permit life (1 st discharge)

VI. WRITTEN COMMENTS

Interested persons are invited to submit written comments upon these tentative Waste Discharge Requirements. Comments should be submitted either in person, or by mail to:

California Regional Water Quality Control Board
 Los Angeles Region
 320 West 4th Street, Suite 200
 Los Angeles, CA 90013

Written comments regarding the tentative Order must be received at the Regional Board office by the close of business on June 5, 2000, in order to be evaluated by Board staff and included in the Board's agenda folder. Comments received after that date will be provided, ex agenda, to the Board for consideration, but may result in delay of the tentative Order.

VII. PUBLIC HEARING

The proposed Waste Discharge Requirements will be considered by the Regional Board at a public hearing to be held on June 29, 2000, at the Richard H. Chambers, U.S. Court of Appeals (Courtroom 3), 125 South Grand Avenue, Pasadena, California.

VIII. WASTE DISCHARGE REQUIREMENTS APPEALS

Any person may petition State Water Resources Control Board to review the decision of the Regional Board regarding the final Waste Discharge Requirements. A petition must be made within 30 days of the Regional Board public hearing.

IX. ADDITIONAL INFORMATION

The application, related documents, tentative effluent limitations and special conditions, comments received, and other information are on file and may be inspected at 320 West 4th Street, Suite 200, Los Angeles, California 90013, at any time between 8:30 AM and 4:45 PM, Monday through Friday by calling (213) 576-6600.

X. REGISTER OF INTERESTED PERSONS

Any person interested in this particular application or NPDES permit may leave their name, address, and phone number with the Board as a part of the Board's file.