

LAR 7051

STATE OF CALIFORNIA

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 91-082

NPDES NO. CA 0062405

WASTE DISCHARGE REQUIREMENTS

FOR

ARCO PRODUCTS COMPANY INC.
(ARCO S.S. # 5028)

RESCINDED

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

1. ARCO Products Company Inc., has filed a report of Waste Discharge and has applied for a permit to discharge wastes under the National Pollutant Discharge Elimination System (NPDES).
2. ARCO Products Company Inc., operates ARCO Service Station No. 5028, at 124 West Pacific Coast Highway, Long Beach California. A leak detection program initiated at the site disclosed soil and groundwater contamination originating from leaking underground storage tanks and/or its associated piping. Free product has been found floating on the groundwater.
3. All underground storage tanks and associated piping have been removed and new tanks and piping have been installed at another location on the property. The contamination plume has migrated off-site. Investigation to define the extent of the plumes migration is in progress.
4. ARCO Products Company Inc., proposes to discharge up to 32,400 gallons per day of treated groundwater produced from the cleanup of petroleum hydrocarbon contamination into a storm drain in Pacific Coast Highway, tributary to Los Angeles River thence to Long Beach Harbor, waters of the United States.
5. The proposed groundwater cleanup system consist of vapor extraction system, groundwater extraction, product/water separation, air stripping tower with carbon scrubber and effluent discharge to the storm drain.

May 22, 1991

6. Effluent containing contaminants in excess of the limits adopted in this permit will not be discharged to the storm drain. Should contaminant levels in the treated ground water exceed permit specifications, alternative disposal storage or additional treatment followed by laboratory analysis of the effluent to demonstrate compliance with discharge limitations will be required.
7. Federal law stipulates that all NPDES permits require the implementation of best available technology economically achievable. Air stripping towers have been used extensively for cleanup of contaminated ground water, particularly for the removal of volatile organic compounds. This method is currently considered to be one of the best available technology economically achievable.
8. The maximum discharge limitations specified in this permit are based upon the State Department of Health Services Recommended Action Levels, primary drinking water standards, Environmental Protection Agency Water Quality Criteria, Water Quality Control Plan for the Los Angeles River Basin Area, and/or best available technology economically feasible.
9. The Board adopted a revised Water Quality Control Plan for the Los Angeles River Basin on November 27, 1978. The Water Quality Control Plan contains water quality objectives for Los Angeles River and Long Beach Harbor. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
10. The beneficial uses of the receiving waters are contact and non-contact water recreation, industrial service supply, commercial and sport fishing, marine and saline water habitats, preservation of rare and endangered species.
11. Effluent limitation standards established pursuant to Section 301 of the Federal Clean Water Act and amendments thereto, maybe applicable to this discharge.
12. This action is being taken for the protection of the environment and as such is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, commencing with Section 21100) in accordance with California Water Code Section 13389.

The Board has notified the discharger, interested agencies and persons of its intent to adopt waste discharge requirements for this discharge. The Board has provided these persons with an opportunity to submit their written views and recommendations.

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The 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, EPA, has no objections.

IT IS HEREBY ORDERED, that ARCO Products Company, Inc., 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. Effluent Limitations

- a. Wastes discharged shall be limited to treated ground water as proposed.
- b. The discharge of an effluent in excess of the following limits is prohibited:

DISCHARGE LIMITATIONS

<u>CONSTITUENT</u>	<u>30-DAY AVERAGE</u>	<u>MAXIMUM</u>
Oil & Grease	10 mg/l (2.70 lbs/day)*	15 mg/l 4.05 lbs/day*
Benzene	-	1.0 ug/l
Toluene	-	10 ug/l
Total Xylenes	-	10 ug/l
Ethyl Benzene	-	10 ug/l
Total Lead	-	0.05 mg/l
Ethylene Dibromide	-	0.02 ug/l

* Based on a maximum flow rate of 32,400 gallons per day.

- c. The effluent toxicity shall be such that the average survival in undiluted effluent for any three consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, with no single test producing less than 70% survival.

II. Requirements and Provisions

1. This Order includes the attached "Standard

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Provisions and General Monitoring and Reporting Requirements".

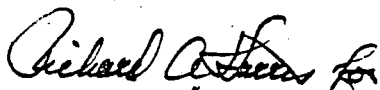
2. Prior to "on line" discharge from the facility, the discharger shall obtain a storm drain connection permit from the local and/or relevant agency as warranted.
3. Prior to "on line" discharge from the facility, laboratory analysis of "trial run" treated effluent confirming wastewater quality within the limits specified by this permit shall be performed. The effluent may then be discharged to the storm drain as proposed. Effluents containing contaminants in excess of the limits adopted in this permit shall not be discharged to the storm drain. Should contaminant levels in treated wastewater exceed permit specifications, alternative disposal, storage, or additional treatment followed by substantiating laboratory analysis of the waste water will be required.

III. Expiration Date

This Order expires on June 10, 1996.

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

I, Robert P. Ghirelli, 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 July 22, 1991.



ROBERT P. GHIRELLI, D.Env.
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM No. 7051
FOR
ARCO PRODUCTS COMPANY INC.
(CA0062405)

The discharger shall implement this monitoring program on the effective date of this Order. Monitoring reports shall be submitted monthly by the first day of the second following month. The first report (August) under this program will be due by September 30, 1991; monitoring reports for quarterly analysis shall be due by the 30th day of the following month commencing with the first calendar quarter.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative grab samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>EPA METHOD NUMBER</u>	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
pH	pH units	150.1	grab	weekly
Temperature	degrees F	--	grab	weekly
Total flow	gal/day	--	--	weekly
Oil and grease	ug/l	413.1	grab	weekly[2]
Total Petroleum Hydrocarbons	ug/l	8015	grab	weekly[2]
Benzene	ug/l	602	grab	weekly[2]
Toluene	ug/l	602	grab	weekly[2]
Xylenes (Total)	ug/l	602	grab	weekly[2]
Ethyl Benzene	ug/l	602	grab	weekly[2]
Ethylene Dibromide	ug/l	601	grab	weekly[2]
Lead (total)	ug/l	7421	grab	monthly
Toxicity [1]	% Survival	--	grab	annually

[1] By the method specified in "Guidelines for Performing Static Acute Toxicity Fish Bioassays in Municipal and Industrial Wastewaters" - July, 1976 (California State Water Resources Control Board and Department of Fish and Game). Submission of bioassay results should include the information noted on pages 31 and 32 of the "Guidelines".

If the results of the annual toxicity test yield a survival of less than 90%, then the frequency of analyses shall increase to bimonthly until at least three consecutive test results have been obtained and full compliance with Effluent Limitation I.c. has been demonstrated, after which the frequency of the analyses shall revert to annually.

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- [2] The fourth quarter report shall include the results of all analyses and a complete system evaluation. The system evaluation shall contain an analysis covering the cleanup effectiveness. The system effectiveness shall evaluate, but not be limited to, the present groundwater conditions, rate of cleanup, system operating conditions, projected completion (if possible), and any system modifications.

Following the complete system installation and subsequent startup, weekly sampling shall continue for at least twelve months, or until such time that the Executive Officer approves a change in the sampling frequency. At the end of three months, following a cleanup system evaluation by Board staff, sampling frequency may be reduced to monthly intervals. Following six months of monthly sampling the frequency of analysis shall revert to quarterly, subsequent to review and an evaluation of the compliance history.

ORDERED BY:



ROBERT P. GHIRELLI, D. ENV.
Executive Officer

Date: 8/6/91