

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 78-82

NPDES NO. CA0005258

WASTE DISCHARGE REQUIREMENTS
FOR
SHELL OIL COMPANY
PETROLEUM PRODUCT STORAGE TERMINAL
OAKLAND, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board), finds that:

1. Shell Oil Company, hereinafter called the Discharger, has submitted a National Pollutant Discharge Elimination System (NPDES) Application for Permit to discharge, - Short Form C, dated April 26, 1978, for reissuance of its current NPDES Permit No. CA0005258 (Order No. 74-9) which expires November 1, 1978.
2. Discharger is currently in compliance with waste discharge requirements specified in Order 74-9, adopted by the Board on January 22, 1974, and its amending Order 74-70, adopted by the Board on August 20, 1974.
3. Discharger operates a petroleum bulk products storage and transfer terminal at 315 Derby Avenue in Oakland, Alameda County, adjacent to the Oakland Estuary. No processing of chemicals is done at this facility.
4. Discharger discharges an average of 1700 gallons per day of stormwater runoff and subterranean drainage through an outfall into the Brooklyn Tidal Canal, contiguous to the Oakland Estuary, an arm of San Francisco Bay. The outfall receives stormwater runoff from a truck washing area, yard drains, a loading and offloading area, a 25,000 gallons holding tank within a tank farm area which is used as a settling tank for water draining from storage tank bottoms and stormwater collected within the tank farm area. The subterranean drainage is water pumped into the above holding tank from a well in the tank farm area to prevent discharge of subterranean oily water into the Estuary. Stormwater runoff from the loading area and discharge from the holding tank are passed through a C.P.I. separator before discharge to the outfall. Washwater from the truck washing area is contained and discharged to the city sanitary sewer.
5. On April 8, 1975, the Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan). The Basin Plan contains water quality objectives for the Oakland Estuary.

6. The beneficial uses of Oakland Estuary include:
 - Industrial water supply
 - Preservation and enhancement of fish and wildlife and other aquatic resources.
 - Recreation
 - Boat marina area
 - Navigation
 - Esthetic enjoyment
7. Effluent limitation and toxic effluent standards established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
8. The Environmental Protection Agency (EPA) issued memoranda on July 26, 1976, and February 24, 1977, providing guidance on effluent standards applicable to all petroleum marketing terminals.
9. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator has no objections.
10. The Board is not required to comply with the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (California Environmental Quality Act) as this is an NPDES permit and is exempt from such provisions per Section 13389 of the Water Code.
11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the Shell Oil Company and has provided them an opportunity for a public meeting and an opportunity to submit their written views and recommendations.
12. The Board in a public meeting heard and considered comments pertaining to the discharge and the requirements prescribed herein.

IT IS HEREBY ORDERED, Shell Oil 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 Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Specifications - Effluent

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Runoff from the property of the discharger shall not contain constituents in excess of the following limits:
 - a. The daily maximum oil and grease concentration in the discharge shall not exceed 30 mg/l. Daily maximum shall be the average of a minimum of three grab samples taken at equal intervals during the period of discharge with the first grab taken during the first hour of discharge.

Daily average concentration limit for oil and grease shall be deemed exceeded if the analyses of any two representative grab samples taken at least six (6) hours apart each individually exceed 30 mg/l.

- b. pH 6.5 minimum
8.5 maximum
- c. Toxicity None which would cause deleterious effects on aquatic biota, wildlife or waterfowl.
- d. Biostimulants None in concentrations which would impair any of the protected beneficial water uses.

- 3. Instantaneous maximum limitations shall be applied to the values of the measurements obtained for any single grab sample.

B. Discharge Specifications - Receiving Water

- 1. The discharge shall not cause:
 - a. Floating, suspended or deposited macroscopic particulate matter or foam in waters of the State at any place.
 - b. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.
 - c. Toxicity in waters of the State at levels that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for human consumption.
 - d. Degradation of groundwaters suitable for domestic, industrial or agricultural use.
- 2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Discharge Prohibitions

- 1. The discharge of petroleum products to waters of the State, except as specified in paragraph A.2.a. above, is prohibited. Any spills of such materials shall be promptly cleaned up and prevented from mixing with precipitation runoff.

2. The discharge of wastewater from truck washing operations to waters of the State is prohibited.

D. Provisions

1. Discharger submitted a Contingency Plan, dated March 18, 1975, in accordance with the Board's Resolution No. 74-10. The Discharger shall annually review such plan and notify the Board if any revision of the plan is necessary. Failure to implement and maintain such a plan acceptable to the Regional Board's Executive Officer could be considered a willful and negligent violation of this order pursuant to the California Water Code, Section 13387.
2. Discharger shall comply with the attached "Standard Provisions, Reporting Requirements and Definitions," dated April 1977, except paragraph C.5.
3. Discharger shall comply with all terms of this order immediately.
4. Orders 74-9 and 74-70 are hereby rescinded.
5. This Order expires November 1, 1983, and Shell Oil Company 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, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 17, 1978.

FRED H. DIERKER
Executive Officer

Attachments:

Standard Provisions, Reporting
Requirements & Definitions, April 1977
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Shell Oil Company

315 Derby Avenue

Oakland, Alameda County

NPDES NO. CA 0005258

ORDER NO. 78-82

CONSISTS OF

PART A, (dated January 1978)

AND

PART B, (ordered October 17, 1978)

PART B

DESCRIPTION OF SAMPLING STATIONS & SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATION

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-1	At any point between the outfall to the Brooklyn Basin Tidal Canal and the discharge from the C.P.I. separator at which all waste tributary to the outfall is present.
E-2 thru E-'n'	At a point in each runoff stream that originates on the discharger's property where said stream leaves the discharger's property or at a point where the discharger loses control of said stream.

<u>Station</u>	<u>Analysis, Type of Sample, and Frequency</u>
All E Stations	<p>The daily average oil and grease concentration (expressed as mg/l) shall be calculated from values determined on each of three grab samples. The first sample for each day shall be taken during the first hour of discharge, and the others at equal time intervals on the same day. Sampling frequency shall not exceed two times per month.</p> <p>The pH of the effluents shall be determined on the basis of one single grab sample taken during the first hour of discharge. Sample frequency shall not exceed two times per month.</p>
E-1	Bioassay, 96-hour Fish Toxicity - Grab sample quarterly throughout the year. Samples shall be collected during the initial portion of a storm including the first storm following the summer.

B. RECEIVING WATER

<u>Station</u>	<u>Description</u>
C-R-1 thru C-R-'n'	At a point in the receiving waters located approximately 100 feet upcurrent from the point of discharge of each E Stream.
C-1 thru C-'n'	At a point in the receiving water located at the point of discharge of each E Stream.
C-D-1 thru C-D-'n'	At a point in the receiving water located approximately 100 feet downcurrent from the point of discharge of each E Stream.

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>
All C Stations	Observations daily during the period of discharge.	All applicable standard observations

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth by this Regional Board in order to obtain data and document compliance with waste discharge requirements established in the Regional Board Order No. 78-82 and NPDES NO. CA0005258.
2. The following portions of Part A are not applicable to this Self-Monitoring Program:

C-1,3,4,5:c,d; D-1; E-2,4; F-3.e
3. Has been ordered by the Executive Officer on October 17, 1978, and becomes effective immediately.
4. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger. Revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer