



California Regional Water Quality Control Board

Los Angeles Region



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Agency Secretary

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Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

January 8, 2007

Mr. John Y. DuPre
ExxonMobil Oil Corporation
12851 East 166th Street
Cerritos, CA 90703

Certified Mail
Returned Receipt Requested
Claim No. 7003 0500 0000 5777 4689

Dear Mr. DuPre :

GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS – EXXONMOBIL OIL CORPORATION, SOUTHWEST TERMINAL AREA 1, 799 SOUTH SEASIDE AVENUE, TERMINAL ISLAND (CAG994004, CI-9074)

We have received and reviewed your December 29, 2006 letter, requesting revision of your Monitoring and Reporting Program (MRP) to include effluent limitation and treatment for Methyl tertiary butyl ether (MTBE). In addition, you are requesting name change from ExxonMobil Pipeline Company to ExxonMobil Oil Corporation. Staff has reviewed your request and concurs with your proposed revisions.

Based on our review of your waste discharge and on the attached Fact Sheet, we have determined that the hydrostatic test discharge from your facility is more appropriately regulated under Order No. R4-2003-0111, CAG994004, *General National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements for Groundwater Discharges from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003.

Your existing enrollment dated May 4, 2006 under NPDES Permit No. CAG674001, Order No. R4-2004-0109, *General National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements for Discharges of Hydrostatic Test Water to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on July 1, 2004, is superseded by this new permit and your coverage under Order No. R4-2004-0109 will be terminated.

Enclosed is the revised MRP No. CI 9074, which replaces your existing MRP. The discharge limitations in Part E.1.a of Order No. R4-2003-0111 for the specific constituents listed on the Table with the enclosed Fact Sheet are applicable to your discharge. This revised Monitoring and Reporting Program is effective upon receipt. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. John Y. DuPre
ExxonMobil Oil Corporation
(Southwest Terminal Area I) CI-9074
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File No. CI-9074 and NPDES No. CAG994004", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending a copy of Order No. R4-2003-0111 only to the applicant. For those on the mailing list, please refer to the Board Order sent to you previously or download a copy of the Order from our website at http://www.waterboards.ca.gov/rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Vilma Correa at (213) 576-6794.

Sincerely,

ORIGINAL SIGNED BY

Jonathan S. Bishop
Executive Officer

Enclosures:

General NPDES No. CAG674001, Order No. R4-2003-0111
Fact Sheet
Revised Monitoring and Reporting Program No. CI-9074

cc: U.S. Environmental Protection Agency, Region 9, Clean Water Act Standards
and Permits (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
California Department of Fish and Game, Region 5
California Coastal Commission
Los Angeles County, DPW, Environmental Programs Division
Los Angeles County, DPW, Flood Control Division
Los Angeles County, Department of Health Services
Los Angeles County Sanitation District
City of Los Angeles, Wastewater Division
Lee Solomon, Tetratex
Bret Steve, ExxonMobil Pipeline Corporation, Cerritos Office
Steve Sellinger, Envent Corporation

California Environmental Protection Agency



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**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
EXXONMOBIL OIL CORPORATION
(SOUTHWEST TERMINAL AREA 1)**

**(ORDER NO. R4-2003-0111, SERIES NO. 214)
(NPDES NO. CAG994004)
CI-9074**

FACILITY ADDRESS

799 South Seaside Avenue
Terminal Island, CA 90731

FACILITY MAILING ADDRESS

12851 East 166th Street
Cerritos, CA 90703

PROJECT DESCRIPTION:

ExxonMobil Oil Corporation (ExxonMobil) proposes to discharge hydrostatic test water from Tanks Nos. 800X17, 800X19, 800X21, 800X23, 400X08 and 400X09 at their facility. The facility is located at 799 South Seaside Avenue, Terminal Island. Hydrostatic testing is required at the facility to test the above ground tanks for leaks and structural integrity. Potable water from City of Los Angeles Department of Water and Power will be used for the hydrostatic testing. Prior to discharge, the hydrostatic test water will be passed through a treatment system consisting of settling tanks, granular activated carbon (GAC), particulate filters, and ion exchange vessels. Treatment is necessary because ExxonMobil Corporation has detected elevated concentration of Methyl tertiary butyl ether (MTBE) in their hydrostatic test water.

On May 4, 2006, the ExxonMobil was enrolled under the general NPDES permit. In the December 29, 2006 letter, ExxonMobil Oil Pipeline Company requested a revision of the Monitoring and Reporting Program (MRP) to include effluent limitation and treatment for Methyl tertiary butyl ether (MTBE). In addition, ExxonMobil is requesting name change from ExxonMobil Pipeline Company to ExxonMobil Oil Corporation. Staff has reviewed your request and concurs with your proposed revisions.

And also, staff has reviewed your waste discharge and determined that the hydrostatic test discharge from your facility is more appropriately regulated under NPDES Permit No. CAG994004, Order No. R4-2003-0111. Your existing enrollment under NPDES Permit No. CAG674001, Order No. R4-2004-0109 will be terminated.

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VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 1.0 million gallons per day (MGD) of hydrostatic test water will be discharged from the project site. After treatment, the hydrostatic test water will be released at such a rate that it will not create soil erosion. The discharge will be released into the facility main channel (Latitude: 33° 44' 14", Longitude: 118° 16' 18"), thence to the Outer Los Angeles Harbor, waters of the United States. The facility location map, site plans, and process flow diagram are shown in Figures 1. 2 and 3.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the analytical data, the following constituents listed in the Table below have been determined to showed reasonable potential to exist in your discharge. The discharge flows into the Los Angeles Harbor. The discharge limitations in Attachment B of the Order No. R4-2003-0111 is not applicable to your discharge.

This Table lists the specific constituents and effluent limitations applicable to the 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
Settable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	
Benzene	µg/L	1.0	
Toluene	µg/L	150	
Ethylbenzene	µg/L	700	
Ethylene dibromide	µg/L	0.05	
Xylenes	µg/L	1750	
Methyl tertiary butyl ether (MTBE)	µg/L	5	

FREQUENCY OF DISCHARGE:

The discharge will be intermittent.

REUSE OF WATER:

Reuse of water at the facility for irrigation and dust control was evaluated, but found to be infeasible at the site. Therefore, the hydrostatic test water will be discharged into Outer Los Angeles Harbor.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-9074
FOR
EXXONMOBIL OIL CORPORATION
(SOUTHWEST TERMINAL AREA 1)**

**(ORDER NO. R4-2003-0111, SERIES NO. 214)
(NPDES NO. CAG994004)**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of this permit. The discharger shall submit monitoring reports to the Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15

- B. The first monitoring report under this Program is due by May 15, 2007. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include the discharge limitations in the Order, tabulated analytical data, the chain of custody form, and the laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits).
- D. Each monitoring report shall contain a separate section titled "Summary of Non-compliance" which discusses the compliance record and corrective action taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge at each outfall location, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet and the test results must meet all applicable limitations of Order No. R4-2003-0111.

January 8, 2007

II. SAMPLE COLLECTION REQUIREMENTS (AS APPROPRIATE)

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established at the discharge point and shall be located where representative samples of the effluent can be obtained. Provisions shall be made to enable visual inspections before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring result indicate an exceedance of a limit contained in Order R4-2003-0111, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring,
 - 2. Quarterly monitoring shall be increased to monthly monitoring,
 - 3. Semi-annually monitoring shall be increased to quarterly, and
 - 4. Annual monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, the discharger may return to the regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

D. The following shall constitute the discharge monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Flow	gal/day	totalizer	continuously ¹
Methyl tertiary butyl ether (MTBE)	µg/L	grab	weekly ²
Benzene	µg/L	grab	weekly ²
Toluene	µg/L	grab	weekly ²
Ethylbenzene	µg/L	grab	weekly ²
Ethylene dibromide	µg/L	grab	weekly ²
Xylenes	µg/L	grab	weekly ²
pH	pH units	grab	monthly
Temperature	°F	grab	monthly
Total Suspended Solids	mg/L	grab	monthly
Turbidity	NTU	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Oil and Grease	mg/L	grab	monthly
Settleable Solids	ml/L	grab	monthly
Sulfides	mg/L	grab	quarterly
Phenols	mg/L	grab	quarterly
Residual Chlorine	mg/L	grab	quarterly
Methylene Blue Active Substances (MBAS)	µg/L	grab	quarterly
Acute Toxicity	% survival	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity testing tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites *USEPA's Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms, October 2002, (EPA/821-R-02-012)* or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in *USEPA's Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms, First Edition, August 1995, (EPA/600-R-95/136)*.

¹ Record the monthly total flow and report the calculated daily average flow and monthly flow in the quarterly and annual reports, as appropriate.

² Weekly for the first month and quarterly thereafter, if no exceedance is observed.

- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.
- C. Samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in part H.5. of Order No. R4-2003-0111, the monitoring report shall specify the USEPA analytical method used, the Method Detection Limit and the Minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirements Section H.5. of Order R4-2003-0111), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five

analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirements Section H.5. of Order R4-2003-0111), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as “Not-Detected (ND)” or “Detected, but Not Quantified (DNQ)” (see Monitoring and Reporting Requirements Section H.5. of Order R4-2003-0111), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
- a. If the number of measurements (n) is odd, then the median will be calculated as $= X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $= [X_{n/2} + X_{(n/2)+1}]/2$, i.e. the midpoint between the n/2 and n/2+1 data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for “Not Detected” (ND) and the estimated concentration for “Detected, but Not Quantified” (DNQ) for the calculation of the monthly average concentration.

To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VII. NOTIFICATION

A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical which may be toxic to aquatic life. Such notification shall include:

1. Name and general composition of the chemical,
2. Frequency of use,
3. Quantities to be used,
4. Proposed discharge concentrations and,
5. EPA registration number, if applicable.

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0111. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VIII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the discharger makes a request and the request is justified by statistical trends of monitoring data submitted. However, monitoring frequency may also increase based on site-specific conditions.

Ordered by: ORIGINAL SIGNED BY

Jonathan S. Bishop
Executive Officer

Date: January 8, 2007

/vbc