

FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORP

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: EXXONMOBIL OIL CORP

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1477 N JEFFERSON ST
ANAHEIM, CA 92807

MAILING ADDRESS: 12851 E 166 TH ST
CERRITOS, CA 90703

RESPONSIBLE OFFICIAL: SAUL FLOTA

TITLE: WEST COAST AREA MANAGER

TELEPHONE NUMBER: (310) 212-2935

CONTACT PERSON: JOSEPH MOORER

TITLE: ATWOOD TERMINAL SUPERINTENDENT

TELEPHONE NUMBER: (714) 985-9974

INITIAL TITLE V PERMIT ISSUED: May 18, 2009

TITLE V PERMIT EXPIRATION DATE: May 17, 2014

TITLE V	RECLAIM
YES	NOx: NO SOx: NO CYCLE: 0 ZONE: COASTAL

**FACILITY PERMIT TO OPERATE
EXXONMOBIL OIL CORP**

PERMIT TO CONSTRUCT/OPERATE

**Permit No. TBD
A/N 527656**

Equipment Description:

MODIFICATION OF GASOLINE LOADING RACK NO. 1, CONSISTING OF:

1. SIX GASOLINE BOTTOM LOADING RACKS, 4" DIA., WITH A DRY BREAK COUPLER.
2. ONE DIESEL SELF-DISPENSING NOZZLE
3. TWO VAPOR RECOVERY ARMS, 4" DIA., CONNECTED TO A VAPOR RECOVERY UNIT (CARBON ADSORPTION SYSTEM)
4. **TWO GASOLINE TRANSFER PUMPS, CENTRIFUGAL, MECHANICAL SEAL, 60-H.P. MOTOR, COMMON TO LOADING RACK NO. 2**
5. **ONE GASOLINE TRANSFER PUMP, CENTRIFUGAL, MECHANICAL SEAL, 75-H.P. MOTOR, COMMON TO LOADING RACK NO. 2**
6. ONE ETHANOL TRANSFER PUMP, CENTRIFUGAL, MECHANICAL SEAL, 50-H.P. MOTOR, COMMON TO LOADING RACK NO. 2

BY THE FOLLOWING:

1. **ADDITION OF VERICONN (OR EQUIVALENT) HOSE CONNECTION VERIFICATION SYSTEM TO THE TWO 4" VAPOR RECOVERY ARMS.**

Conditions:

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

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3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE TO NO MORE THAN 900,000 GALLONS PER DAY AND NO MORE THAN 90,000 GALLONS PER HOUR. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR LOADING RACKS NO. 1 AND NO. 2.
[RULE 1303(b)(2)-OFFSETS, RULE 1401]
4. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO A CARBON ADSORBER, WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 462, 40 CFR 60 SUBPART XX]
5. ALL VALVES SHALL BE BELLOW SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATION VALVES WITH SPACE LIMITATIONS AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORDS.

THE OPERATOR SHALL KEEP RECORDS OF ALL BELLOW-SEAL VALVES INSTALLED OR REMOVED, CATEGORIZE THEIR LOCATION, TYPE, SIZE, ACCESSIBILITY AND SERVICE, AND FOR NON-BELLOW-SEAL VALVES, THE REASON(S) WHY BELLOW-SEAL VALVES ARE NOT USED.

ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

ALL FUGITIVE COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPMV, BUT LESS THAN 1,000 PPMV MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. A LEAK OF 1,000 PPMV OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.

THE OPERATOR SHALL SWITCH TO A QUARTERLY INSPECTION ONLY UPON DISTRICT APPROVAL, AND ONLY IF AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF ALL THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPMV ABOVE THE BACKGROUND LEVEL.

THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR A PERIOD OF AT LEAST FIVE YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSETS]

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6. IN ADDITION TO THE RECORDS REQUIRED UNDER RULE 462, THE LOADING THROUGHPUT RECORDS SHALL BE MAINTAINED FOR FIVE YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 462]
7. THIS PERMIT TO CONSTRUCT SHALL EXPIRE ON _____, 2013 UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.
[RULE 205]

Periodic Monitoring:

NONE

Emissions and Requirements:

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES OR REGULATIONS:

VOC: RULE 462 0.08 LBS/1000 GAL ORGANIC LIQUID LOADED
VOC: 40CFR 60 SUBPART XX 35 MG/L GASOLINE LOADED

**FACILITY PERMIT TO OPERATE
EXXONMOBIL OIL CORP**

PERMIT TO CONSTRUCT/OPERATE

**Permit No. TBD
A/N 527657**

Equipment Description:

MODIFICATION OF GASOLINE LOADING RACK NO. 2, CONSISTING OF:

1. SIX BOTTOM LOADING RACKS, 4" DIA., WITH A DRY BREAK COUPLER.
2. TWO VAPOR RECOVERY ARMS, 4" DIA., CONNECTED TO A VAPOR RECOVERY UNIT (CARBON ADSORPTION SYSTEM)
3. **TWO GASOLINE TRANSFER PUMPS, CENTRIFUGAL, MECHANICAL SEAL, 60-H.P. MOTOR, COMMON TO LOADING RACK NO. 1**
4. **ONE GASOLINE TRANSFER PUMP, CENTRIFUGAL, MECHANICAL SEAL, 75-H.P. MOTOR, COMMON TO LOADING RACK NO. 1**
5. ONE ETHANOL TRANSFER PUMP, CENTRIFUGAL, MECHANICAL SEAL, 50-H.P. MOTOR, COMMON TO LOADING RACK NO. 1

BY THE FOLLOWING:

1. **ADDITION OF VERICONN (OR EQUIVALENT) HOSE CONNECTION VERIFICATION SYSTEM TO THE TWO 4" VAPOR RECOVERY ARMS.**

Conditions:

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
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3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE TO NO MORE THAN 900,000 GALLONS PER DAY AND NO MORE THAN 90,000 GALLONS PER HOUR. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR LOADING RACKS NO. 1 AND NO. 2.
[RULE 1303(b)(2)-OFFSETS, RULE 1401]
4. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO A CARBON ADSORBER WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 462, 40 CFR 60 SUBPART XX]
5. ALL VALVES SHALL BE BELLOW SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATION VALVES WITH SPACE LIMITATIONS AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORDS.

THE OPERATOR SHALL KEEP RECORDS OF ALL BELLOW-SEAL VALVES INSTALLED OR REMOVED, CATEGORIZE THEIR LOCATION, TYPE, SIZE, ACCESSIBILITY AND SERVICE, AND FOR NON-BELLOW-SEAL VALVES, THE REASON(S) WHY BELLOW-SEAL VALVES ARE NOT USED.

ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

ALL FUGITIVE COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPMV, BUT LESS THAN 1,000 PPMV MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. A LEAK OF 1,000 PPMV OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.

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THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR A PERIOD OF AT LEAST FIVE YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSETS]

6. IN ADDITION TO THE RECORDS REQUIRED UNDER RULE 462, THE LOADING THROUGHPUT RECORDS SHALL BE MAINTAINED FOR FIVE YEARS IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 462]

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7. THIS PERMIT TO CONSTRUCT SHALL EXPIRE ON _____, 2013 UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.
[RULE 205]

Periodic Monitoring:

NONE

Emissions and Requirements:

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES OR REGULATIONS:

VOC: RULE 462 0.08 LBS/1000 GAL ORGANIC LIQUID LOADED
VOC: 40CFR 60 SUBPART XX 35 MG/L GASOLINE LOADED

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
298655	463
531880	462

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

**RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN
FACILITY ID 800171 –EXXONMOBIL OIL CORP. - VERNON TERMINAL**

CONTINUOUS MONITORING SYSTEM (CMS) EQUIPMENT

CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF AN INFRARED INDUSTRIES, MODEL IR-7761, GAS ANALYZER AND A YOKOGAWA DAQSTATION **DX1000** SERIES (OR EQUIVALENT) RECORDER SERVING A JOHN ZINK CARBON ABSORPTION SYSTEM

CONDITIONS:

1. The operator shall conduct the operation of this CMS in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. The CMS shall sample and analyze gas from the outlet of the carbon canisters to accurately measure the Nonmethane Hydrocarbon (NMHC) concentration at the exhaust of vapor recovery unit.
3. The CMS shall provide and the data recorder shall retain the instantaneous NMHC concentration and a continuous 15-minute average NMHC concentration, measured at the exhaust of the vapor recovery **system (carbon adsorbers)**.
4. The operator shall maintain a display of the NMHC concentrations in a location accessible to District personnel.
5. Daily calibration error tests shall be performed on the CMS at the low (0-20 percent) and high (80-100 percent) ranges of concentration. The calibration error shall not exceed 2.5 percent of the full scale range.
6. Testing of the CMS for relative accuracy (RA) and calibration drift, as described in 40 CFR 60 Appendix B, shall be conducted in conjunction with the vapor recovery **system (carbon adsorbers)** performance testing required by the permit for the vapor recovery **system (carbon adsorbers)**.
7. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets applicable requirements of 40 CFR 63.427 and 40 CFR 60 Appendix B, Specification 8. The applicability of 40 CFR 63.427 is pursuant to AQMD rule 462(f)(2) and does not necessarily imply that the facility is a major source of Hazardous Air Pollutants (HAPs).
8. The operator shall maintain the recording device in proper operation at all times such that it is accurately synchronized with the correct time of day.
9. The recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the NMHC concentration within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.

**RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN
FACILITY ID 800171 –EXXONMOBIL OIL CORP. - VERNON TERMINAL**

10. The operator shall notify the executive officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of the failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of the failure.
11. The operator shall keep records on site to show compliance with conditions **required by this plan**. Such records shall be kept for at least five years and made available to District personnel upon request.

PLAN APPROVED

Barry R. Wallerstein, D.Env.
EXECUTIVE OFFICER

By:
Mohsen Nazemi
Deputy Executive Officer
Engineering & Compliance