

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

#### **FACILITY CONDITIONS**

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

**[40CFR 68 - Accidental Release Prevention, 5-24-1996]**

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**The operator shall comply with the terms and conditions set forth below:**

F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/Title V permit issued by the AQMD pursuant to Rule 201 - Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur recovery plant which may be located outside of the facility.

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**The operator shall comply with the terms and conditions set forth below:**

**[RULE 2004, 5-11-2001]**

- F34.1 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

**[RULE 431.1, 6-12-1998]**

- F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR79

40CFR80

California Code of Regulations, Title 13, Division 3, Chapter 5

**[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999; CCR Title 13, 9-24-1999]**

- F52.2 This facility is subject to the applicable requirements of the following rules or regulation(s):

CONSENT DECREE CIVIL CASE No. 05 C 5809. The facility shall send the District a copy of the semiannual updates sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree as well as dates of compliance for the requirement not yet fulfilled

40CFR60, Subpart A

40CFR61 Subpart A

40CFR63, Subpart A

**[40CFR 60 Subpart A, 5-16-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

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**The operator shall comply with the terms and conditions set forth below:**

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere from the originating equipment.

#### PROCESS CONDITIONS

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR61, SUBPART	FF

**[40CFR 61 Subpart FF, 12-4-2003]**

[Processes subject to this condition : 1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 20, 22, 23]

P13.2 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	CC

**[40CFR 63 Subpart CC, 6-23-2003]**

[Processes subject to this condition : 15]

#### SYSTEM CONDITIONS

S1.2 The operator shall limit the production rate to no more than 1.4e+06 ton(s) in any one year.

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**The operator shall comply with the terms and conditions set forth below:**

The purpose(s) of this condition is to require Mobil to maintain production records on a monthly basis on site, and available for District inspection.

The purpose(s) of this condition is to limit the coke production for both North and South Delayed Coking Units at 1400000 dry tons/yr.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 1 , 2]

S1.3 The operator shall limit the throughput to no more than 300000 barrel(s) in any one month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 13, System 9]

S1.4 The operator shall limit the throughput to no more than 1400000 ton(s) in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 3]

S1.5 The operator shall limit the throughput to no more than 8000 ton(s) in any one day.

Throughput shall be defined as coke material with a moisture content of 10 % or less

**[RULE 1303, 5-10-1996]**

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Systems subject to this condition : Process 2, System 7]

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 2.5 lbs/mmscf of hydrogen produced

**[RULE 1189, 1-21-2000]**

[Systems subject to this condition : Process 6, System 1 , 2]

S4.1 The following condition(s) shall apply to all affected devices listed under Section D of this system for fugitive emissions of volatile organic compounds (VOC):

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

All new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 shall be distinctly identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service as defined in Rule 1173, except valves and flanges shall be inspected quarterly using EPA reference Method 21.

All new valves & flanges in VOC service except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21. The operator may revert to quarterly inspection upon District approval, after 2 consecutive monthly inspections in which only 2 percent or less are found to be leaking above 500 ppmv. For leaks greater than 500 ppmv, repair shall be attempted within 5 days of detection. Repair or replacement shall be completed within 15 days, unless demonstrated otherwise.

#### **[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996]**

[Systems subject to this condition : Process 3, System 1 , 5; Process 4, System 1; Process 5, System 1 , 2; Process 6, System 1; Process 7, System 1; Process 8, System 1 , 2 , 6; Process 9, System 1 , 2; Process 11, System 3 , 4; Process 23, System 1]

S4.2 The following condition(s) shall apply to all affected devices listed under Section D of this system for fugitive emissions of volatile organic compounds (VOC):

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall monitor the groundwater extraction well caps, pumps (except submerged pump(s)), fittings, and hatches with no detectable VOC leak emissions of greater than 500 ppmv

The operator shall monitor the emissions quarterly after the first three (3) monthly monitoring events. All VOC leak emissions greater than 500 ppmv shall be repaired within 14 days of detection

The operator shall keep records of each inspection, subsequent repair, and reinspection, in a manner approved by the District

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Systems subject to this condition : Process 22, System 2]

S4.3 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

The operator shall keep records of each inspection, subsequent repair, and reinspection, in a manner approved by the District

The operator shall monitor the pumps (except submerged pump(s)) and valves located before the liquid phase activated carbon, the groundwater extraction well caps, and process drains with no detectable VOC leak emissions of greater than 500 ppmv

The operator shall monitor the emissions quarterly after the first three (3) monthly monitoring events. All VOC leak emissions greater than 500 ppmv shall be repaired within 14 days of detection

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Systems subject to this condition : Process 22, System 1]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

S7.2 The following conditions shall apply to all refinery operation and related devices from this system:

The operator shall not operate this equipment unless the vessel receiver (10C-9), additive storage tank (10D-1) and the two steam ejectors (10H-1A/B and 10H-2A/B) are vented to a vapor recovery system whenever they are in use.

For all valves in VOC service, except those specifically exempted by Rule 1173, bellows seal valves shall be used for two inches and smaller service, except in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g., drain valves with valve stems in horizontal position), and retrofits with space limitations.

All new valves and flanges in VOC services except bellow sealed valves and those specifically exempted by Rule 1173 shall be inspected monthly using EPA Reference Method 21. If 98 percent or greater of the new valve and flange population inspected is found to leak gaseous or liquid VOCs at a rate less than 500 ppm, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer.

All new components in VOC service as defined by Rule 1173, except those specifically exempt by Rule 1173, shall be identified by listing or tag numbers from other components. All new major components shall have distinct tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service, except pressure relief devices for which a leak in excess of 200 ppm, shall be repaired within 5 days of detection. A leak greater than 500 ppm but less than 1000 ppm measured as methane above background by EPA Method 21 shall be repaired within 14 days of detection.

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996]**

[Systems subject to this condition : Process 8, System 3]

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

S7.3 The following conditions shall apply to all refinery operation and related devices from this system:

All new components in VOC service as defined by Rule 1173, except those specifically exempt by Rule 1173, shall be identified by listing or tag numbers from other components. All new major components shall have distinct tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

For all valves in VOC service, except those specifically exempted by Rule 1173, bellows seal valves shall be used for two inches and smaller service, except in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g., drain valves with valve stems in horizontal position), and retrofits with space limitations.

All new valves and flanges in VOC services except bellow sealed valves and those specifically exempted by Rule 1173 shall be inspected monthly using EPA Reference Method 21. If 98 percent or greater of the new valve and flange population inspected is found to leak gaseous or liquid VOCs at a rate less than 500 ppm, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer.

All new components in VOC service, except pressure relief devices for which a leak in excess of 200 ppm, shall be repaired within 5 days of detection. A leak greater than 500 ppm but less than 1000 ppm measured as methane above background by EPA Method 21 shall be repaired within 14 days of detection.

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996]**

[Systems subject to this condition : Process 8, System 4]

S7.5 The following conditions shall apply to all refinery operation and related devices from this system:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall only operate this equipment if it complies with all applicable mitigation measures stipulated in the "Mitigation Monitoring Plan" document which is part of the AQMD Certified Environmental Impact Report dated 12-October-2001.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the applicable measures stipulated in the "Mitigation Monitoring Plan" document.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 8, System 5; Process 13, System 1, 3, 4, 11; Process 19, System 3]

S7.6 The following conditions shall apply to all refinery operation and related devices from this system:

The operator shall not use this system to process wastewater having VOC content of 5 mg per liter or more as determined by test method specified in District Rule 1176.

[**RULE 1176, 9-13-1996**]

[Systems subject to this condition : Process 14, System 4]

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

[**RULE 1158, 6-11-1999**; RULE 1158, 7-11-2008]

[Systems subject to this condition : Process 2, System 3, 7, 8]

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**The operator shall comply with the terms and conditions set forth below:**

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

**[RULE 1123, 12-7-1990]**

[Systems subject to this condition : Process 1, System 1, 2, 4, 7; Process 2, System 1, 2, 4, 5, 9; Process 3, System 1, 5, 7; Process 4, System 1, 3, 5; Process 5, System 1, 2; Process 6, System 1, 2, 6; Process 7, System 1, 3; Process 8, System 1, 2, 3, 4, 6; Process 9, System 1, 2, 5, 6; Process 11, System 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; Process 16, System 3; Process 17, System 5; Process 19, System 1, 3, 7; Process 22, System 1; Process 23, System 1]

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	District Rule	463

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 463, 5-6-2005]**

[Systems subject to this condition : Process 15, System 3]

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

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**The operator shall comply with the terms and conditions set forth below:**

VOC | District Rule | 1178

**[RULE 1178, 4-7-2006; RULE 463, 5-6-2005]**

[Systems subject to this condition : Process 15, System 1 , 2 , 5]

S13.5 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1189

**[RULE 1189, 1-21-2000]**

[Systems subject to this condition : Process 6, System 1 , 2]

S13.6 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Systems subject to this condition : Process 12, System 1 , 2]

S13.7 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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**The operator shall comply with the terms and conditions set forth below:**

VOC	District Rule	462
VOC	40CFR60, SUBPART	XX

**[RULE 462, 5-14-1999; 40CFR 60 Subpart XX, 12-19-2003]**

[Systems subject to this condition : Process 13, System 3 , 4]

S13.8 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462

**[RULE 462, 5-14-1999]**

[Systems subject to this condition : Process 13, System 9]

S13.9 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

**[RULE 1176, 9-13-1996]**

[Systems subject to this condition : Process 1, System 3; Process 14, System 1]

S13.11 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart

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**The operator shall comply with the terms and conditions set forth below:**

VOC	District Rule	1176
VOC	40CFR60, SUBPART	QQQ

**[RULE 1176, 9-13-1996; 40CFR 60 Subpart QQQ, 10-17-2000]**

[Systems subject to this condition : Process 14, System 2]

S13.12 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

For Rule 463 applicability, only division (d) in the 11 March 1994 amendment, or equivalent requirements in the future amendments, shall apply to the domed external floating roof tanks. This does not preclude any requirements specified in Rule 1178.

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]**

[Systems subject to this condition : Process 15, System 6]

S15.1 The vent gases from all affected devices of this process/system shall be vented as follows:

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**The operator shall comply with the terms and conditions set forth below:**

All emergency vent gases shall be directed to a blowdown flare system except Devices IDs D35, D1250, D2145, D57 TO D62, D71, D68, D86-D91, D98, D152, D237, D349, D360, D629, D630, D631, D657, D638, D668, D671, D1503-D1505, D1507 that vent to the atmosphere.

This process/system shall not be operated unless the blowdown flare system is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 1, System 1, 2, 3, 4, 7; Process 2, System 1, 2, 4, 5; Process 3, System 1, 5, 7; Process 4, System 1, 3, 5; Process 5, System 1, 2; Process 6, System 1, 2; Process 7, System 1; Process 8, System 1, 2, 3, 4, 6; Process 9, System 1, 2, 5; Process 11, System 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; Process 12, System 1, 2, 3; Process 13, System 1, 2, 3, 4; Process 17, System 5, 8, 11; Process 18, System 1; Process 19, System 3; Process 23, System 1]

S15.2 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a vapor recovery system.

This process/system shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 1, System 1, 2; Process 2, System 4, 5; Process 3, System 5; Process 4, System 1, 3, 5; Process 5, System 1, 2; Process 6, System 1, 2; Process 7, System 1; Process 8, System 1, 2, 3, 4, 6; Process 9, System 1, 2, 5, 6; Process 11, System 1, 2; Process 12, System 1, 2; Process 13, System 1, 2, 3, 4; Process 17, System 8, 11]

S15.4 The vent gases from all affected devices of this process/system shall be vented as follows:

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**The operator shall comply with the terms and conditions set forth below:**

All acid gases under normal operating conditions shall be directed to the sulfur recovery unit(s).

This process/system shall not be operated unless the sulfur recovery unit is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Systems subject to this condition : Process 11, System 4 , 6 , 7 , 9 , 10 , 11]

S15.5 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a sulfur vapor collection system.

This process/system shall not be operated unless the vapor collection system is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 12, System 6; Process 13, System 6]

S15.6 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a vapor control system.

This process/system shall not be operated unless the vapor control system is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

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**The operator shall comply with the terms and conditions set forth below:**

[Systems subject to this condition : Process 13, System 7 , 9]

S15.7 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a vapor recovery system except devices IDs 57 to 62, 71, 86 to 91, and 98 that vent to the atmosphere.

This process/system shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 1 , 2]

S15.8 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the absorber located within this system.

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 1]

S15.9 The vent gases from all affected devices of this process/system shall be vented as follows:

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**The operator shall comply with the terms and conditions set forth below:**

All sour gases shall be directed to the absorber located within this system or the absorber located in the Product (Jet Fuel/Diesel/Other) Hydrodesulfurization Unit (P4/S5).

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 4, System 1]

S15.10 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the absorber located in the Saturate Gas Plant (P9/S1), the Unsaturate Gas Plant (P9/S2), or the DEA Absorption System (P11/S5).

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 1, System 1; Process 4, System 5]

S15.11 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the absorber located in the Unsaturate Gas Plant (P9/S2) or the DEA Absorption System (P11/S5).

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

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**The operator shall comply with the terms and conditions set forth below:**

[Systems subject to this condition : Process 3, System 5]

S15.12 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the absorber located in the Saturate Gas Plant (P9/S1), the Unsaturate Gas Plant (P9/S2), the Product (Jet Fuel/Diesel/Other) Hydrodesulfurization Unit (P4/S5), or the DEA Absorption System (P11/S5).

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 4, System 3]

S15.13 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the absorber located in the Saturate Gas Plant (P9/S1), the Product (Jet Fuel/Diesel/Other) Hydrodesulfurization Unit (P4/S5), or the DEA Absorption System (P11/S5).

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 5, System 1 , 2; Process 7, System 1]

S15.14 The vent gases from all affected devices of this process/system shall be vented as follows:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

All sour gases shall be directed to the absorber located in the Fuel Gas Treating Unit (P11/S3), the Unsaturate Gas Plant (P9/S2), or the DEA Absorption System (P11/S5).

This process/system shall not be operated unless the absorber is in full use and has a valid permit to receive vent gases from this system.

During periods of maintenance and/or repair of the Fuel Gas Treating Unit Absorbers (P11/S3), all sour gases shall be directed to the Fuel Gas Treating Unit (P11/S12), the absorber located in the Unsaturate Gas Plant (P9/S2) or the DEA Absorption System (P11/S5). During periods of maintenance and/or repair of the Fuel Gas Treating Unit Absorbers (P11/S3), the subject process/system shall not be operated unless the equipment specified is in full used and has a valid permit to receive vent gases from this s

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 19, System 3]

S15.15 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to the vapor recovery system and/or flare.

This process/system shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this system.

This process/system shall not be operated unless the flare is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 9; Process 6, System 6; Process 7, System 3; Process 9, System 6; Process 16, System 3]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

S15.16 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be directed to the vapor recovery system unless otherwise specified in this permit.

All blowdown water shall be directed to knockout vessel(s) at the vapor recovery system for water removal.

This process/system shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this system.

**[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 15, System 3]

S18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

Loading/Unloading Process (Process: 13, System: 1, 2, 3 & 4)

Hydrogen Production (Process: 6, System: 1, 2 & 6)

Gas Production Process (Process: 9, System: 1, 2, 5 & 6)

Catalytic Reforming (Process: 5, System: 1 & 2)

Treating/Stripping Process (Process: 11, System: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12)

Fluid Catalytic Cracking Unit (Process: 3, System: 1, 5 & 7)

Petroleum Miscellaneous Process (Process: 17, System: 5, 8 & 11)

Hydrocracking Unit (Process: 7, System: 1 & 3)

Air Pollution Control Process (Process: 19, System: 3)

Crude Distillation Unit (Process: 1, System: 1, 2, 3, 4 & 7)

Coking and Residual Conditioning (Process: 2, System: 1, 2, 4, 5 & 9)

Hydrotreating Process (Process: 4, System: 1, 3 & 5)

Alkylation Unit (Process: 8, System: 1, 2, 3, 4 & 6)

Sulfur Production Process (Process: 12, System: 1, 2, 3 & 4)

Steam Generation Process (Process: 16, System: 3)

Electricity Generation (Process: 18, System: 1)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Systems subject to this condition : Process 19, System 1]

S18.2 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Hydrocracking Unit (Process: 7, System: 1)

Platinum Reformer Unit (Process: 5, System: 1 & 2)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 1]

S18.3 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Treating/Stripping Units (Process: 11, System: 6, 7, 9, 10 & 11)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 12, System 1 , 2]

S18.4 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Sulfur Storage (Process: 12, System: 6)

Sulfur Loading (Process: 13, System: 6)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Systems subject to this condition : Process 13, System 7]

- S18.5 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Sulfur Vapor Collection System (Process: 13, System: 7)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 13, System 8]

- S18.6 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Resid Loading Sytem (Process: 13, System: 9)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 13, System 10]

- S18.7 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Wastewater Treatment System (Process: 14, System: 1)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 14, System 2]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

S18.8 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

Loading/Unloading Process (Process: 13, System: 1, 2, 3 & 4)

Catalyst Regeneration Process (Process: 10, System: 1)

Hydrogen Production (Process: 6, System: 1, 2 & 6)

Gasoline Blending (Process: 20, System: 1)

Gas Production Process (Process: 9, System: 1, 2, 5 & 6)

Catalytic Reforming (Process: 5, System: 1 & 2)

Treating/Stripping Process (Process: 11, System: 1, 2, 3 & 5)

Fluid Catalytic Cracking Unit (Process: 3, System: 1 & 5)

Petroleum Miscellaneous Process (Process: 17, System: 5, 8 & 11)

Hydrocracking Unit (Process: 7, System: 1 & 3)

Crude Distillation Unit (Process: 1, System: 1, 2, 3 & 4)

Coking and Residual Conditioning (Process: 2, System: 1, 2, 4, 5 & 9)

Hydrotreating Process (Process: 4, System: 1, 3 & 5)

Alkylation Unit (Process: 8, System: 1, 2, 3 & 4)

Dehydrator Unit (Process: 17, System: 16)

Pressurized storage tanks (Process: 15, System: 3)

Steam Generation Process (Process: 16, System: 3)

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 19, System 3]

S18.12 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Sulfur Production, Claus Trains A & B (Process: 12, System: 1 & 2)

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 12, System 3]

S31.2 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 280605, 384499, 385155, 389291, 389292, 411508, 411586, 422931, 483739, 435111 & 471343:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

All valves shall be bellow-sealed 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), retrofit/special application valves with space limitation and valves not commercially available. 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 record.

All valves shall be inspected monthly using EPA Reference Method 21. The operator may revert to quarterly inspection upon District approval, after two consecutive monthly inspections in which only two percent or less are found to be leaking above 500 ppmv. For leaks greater than 500 ppmv above background, repair shall be attempted within five (5) days of detection. Repair or replacement shall be completed within 15 days, unless demonstrated otherwise.

The operator shall keep records of the monthly inspections, subsequent repairs and reinspections, if any, in a manner approved by the District.

The operator shall provide the following information to the District no later than 60 days after initial startup of the equipment in the system:

- a) Piping and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. The operator shall also provide a listing of all valves (bellows and non-bellows) categorized by location, type, size, accessibility, and service; and
- b) Recalculation of fugitive emissions based on actual fugitive components installed and removed from service. All valves shall be categorized by tag number, type, size, body material, service, and reason(s) why bellow seal valves were not used.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 4, System 1, 3; Process 6, System 2; Process 7, System 3; Process 9, System 6; Process 13, System 1, 3, 4, 11; Process 18, System 1]

S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 435112 & subsequent application number 475236:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

All valves shall be bellow-sealed 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), retrofit/special application valves with space limitation and valves not commercially available. 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 record.

All valves shall be inspected monthly using EPA Reference Method 21. The operator may revert to quarterly inspection upon District approval, after two consecutive monthly inspections in which only two percent or less are found to be leaking above 500 ppmv. For leaks greater than 500 ppmv above background, repair shall be attempted within five (5) days of detection. Repair or replacement shall be completed within 15 days, unless demonstrated otherwise.

The operator shall keep records of the monthly inspections, subsequent repairs and reinspections, if any, in a manner approved by the District.

The operator shall provide the following information to the District no later than 60 days after initial startup of the equipment in the system:

- a) Piping and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. The operator shall also provide a listing of all valves (bellows and non-bellows) categorized by location, type, size, accessibility, and service; and
- b) Recalculation of fugitive emissions based on actual fugitive components installed and removed from service. All valves shall be categorized by tag number, type, size, body material, service, and reason(s) why bellow seal valves were not used.

The operator shall provide the following information to the District prior to

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

converting AN 435112 and subsequent AN 475236 from PC to PO (Process 11, System 12):

Recalculation of fugitive emissions based on actual fugitive components installed in Process 11, Systems 3 & 4 (ANs 422300 & 377122), which were combined with System 12 in the previously issued permit, for NSR adjustment

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 11, System 3 , 4]

S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 448496:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

All valves shall be bellow-sealed 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), retrofit/special application valves with space limitation and valves not commercially available. 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 record.

All valves shall be inspected monthly using EPA Reference Method 21. The operator may revert to quarterly inspection upon District approval, after two consecutive monthly inspections in which only two percent or less are found to be leaking above 500 ppmv. For leaks greater than 500 ppmv above background, repair shall be attempted within five (5) days of detection. Repair or replacement shall be completed within 15 days, unless demonstrated otherwise.

The operator shall keep records of the monthly inspections, subsequent repairs and reinspections, if any, in a manner approved by the District.

The operator shall provide the following information to the District no later than 60 days after initial startup of the equipment in the system:

- a) Piping and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. The operator shall also provide a listing of all valves (bellows and non-bellows) categorized by location, type, size, accessibility, and service; and
- b) Recalculation of fugitive emissions based on actual fugitive components installed and removed from service. All valves shall be categorized by tag number, type, size, body material, service, and reason(s) why bellow seal valves were not used.

The operator shall provide the following information to the District prior to

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

converting AN 448496 from PC to PO (Process 1, System 4):

Recalculation of fugitive emissions based on actual fugitive components installed in Process 1, Systems 1 & 4 (ANs 431770 & 448496), which were combined with System 1 in the previously issued permit, for NSR adjustment

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 1, System 4]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 422369, 422169, 422177 & 422935:

All valves and 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 record.

All valves shall be inspected monthly using EPA Reference Method 21. The operator may revert to quarterly inspection upon District approval, after two consecutive monthly inspections in which only two percent or less are found to be leaking above 500 ppmv. For leaks greater than 500 ppmv above background, repair shall be attempted within five (5) days of detection. Repair or replacement shall be completed within 15 days, unless demonstrated otherwise.

The operator shall keep records of the monthly inspections, subsequent repairs and reinspections, if any, in a manner approved by the District.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 9; Process 6, System 6; Process 16, System 3]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

S42.2 The operator shall not operate the FCCU unless the operator complies with the emission limits of the following rule by May 30, 2009 or 90 days from the date of start up of the FCCU from turnaround, whichever is earlier:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

If the operator fails to comply with any of the terms and conditions listed below, the operator shall be subject to the compliance deadlines as specified in Rule 1105.1(d) (1).

1. Award contract(s) to construct and install the control technology by May 1, 2007
2. Begin construction of the control technology permitted by the AQMD for compliance with Rule 1105.1(d)(1) by October 1, 2007, or within 30 days of receiving all necessary permits, whichever is later. These dates may be extended in writing by the Executive Officer upon request by ExxonMobil if the CEQA document is not finalized by July 1, 2007. Any such extension(s) shall not be for a period of more than five months after the original deadline listed in this paragraph.
3. Start operation of at least one (1) new ESP (i.e., either C2283 or C2284) along with two (2) existing ESPs, C165 and C166) to ensure compliance with Rule 1105.1(d)(1) by March 1, 2009 with the startup of the FCCU. If one (1) new ESP is operated, the inlet flowrate to the ESP shall not exceed 160,000 dscfm
4. Comply with all Rule 1105.1(d)(1) requirements no later than May 30, 2009, or 90 days after the startup of the FCCU, whichever is earlier

**[RULE 1105.1, 11-7-2003]**

[Systems subject to this condition : Process 3, System 1; Process 23, System 1]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

S46.1 The following conditions shall apply to VOC service fugitive components in this system:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

For the purpose of this condition, existing component shall be defined as any component that was installed under a permit to construct/operate that was issued prior to June 1, 1993. New component shall be defined as any component that was installed or modified under a permit to construct that triggered BACT for VOCs issued between June 1, 1993 and December 27, 2001.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

All new valves and new major components, as defined in Rule 1173, shall be physically identified in the field with special marking that distinguishes the components from existing. Additionally all new components shall be distinctly identified from existing components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service with a leak greater than 500 ppm but less than 1,000 ppm, as methane, measured above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

All new pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All new sampling connections shall be closed-purge, closed-loop, or closed-vent system.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 8, System 5]

#### DEVICE CONDITIONS

##### A. Emission Limits

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

The emission limit applies for discharges of duration of greater than 3 minutes in any one hour

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

[Devices subject to this condition : D129, D130, D919, D2291, D2292, D2293, D2294, D2295, D2296, D2297, D2298, D2299, D2300, D2301, D2302, D2303, D2331, D2332, D2333, D2334, D2335, D2389]

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 30 Percent opacity

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D151]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT	Header 3	Header 4
Visible emissions	Less than or equal to	20	Percent opacity

**[40CFR 60SubpartD, 2-16-2012]**

[Devices subject to this condition : D805]

A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for VOC during the normal operation of the equipment it vents.

**[RULE 1176, 9-13-1996; 40CFR 60 Subpart QQQ, 10-17-2000]**

[Devices subject to this condition : C686, C687]

A99.1 The 2.8 lb/1000 bbl fresh feed PM10 emission limit(s) shall only apply when the fresh feed to the FCCU is 105 thousand barrels per day or less.

For the purposes of this condition, PM10 emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D151]

- A99.2 The 0.005 gr/dscf PM10 emission limit(s) shall only apply when the flow rate is 320,000 dscfm or less.

For the purposes of this condition, PM10 emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D151]

- A99.3 The 3.6 Lbs/hr PM10 emission limit(s) shall only apply when the fresh feed exceeds 105 thousand barrels per day and the flow rate exceeds 320,000 dscfm.

For the purposes of this condition, PM10 emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D151]

- A99.4 The 42 Lbs/hr NOX emission limit(s) shall not apply during startup, shutdown or malfunction..

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For purpose of this condition, start-up and shutdown shall be defined as the time period during the startup and shutdown of the heater unit when the temperature of the exhaust gas at the inlet to SCR is below 550 degree F.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D926]

A195.1 The 9 PPMV NOX emission limit(s) is averaged over 15 minutes corrected to 15% excess oxygen, dry basis.

For purpose of this condition, the limit applies at all times except during startup, shutdown, or malfunction when the temperature of the exhaust gas at the inlet to the SCR is below 550 degrees F.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D925, D926]

A195.2 The 10 PPMV NH3 emission limit(s) is averaged over consecutive 60 minutes at 3% oxygen, dry basis.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D151, C1772]

A195.3 The 20 PPMV NOX emission limit(s) is averaged over 365-day rolling and at 0% oxygen.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For the purposes of this condition, this limit is a long term limit which applies at all times except during startup, shut down or malfunction.

For purpose of this condition, start-up and shutdown shall be defined as the time period during the startup and shutdown of the SCR (Device C1772) when the temperature of the exhaust gas at the inlet to SCR is below 500 degree F and NH3 is not injected.

**[ CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005 ]**

[Devices subject to this condition : D151]

A195.4 The 40 PPMV NOX emission limit(s) is averaged over 7-day rolling and at 0% oxygen.

For the purposes of this condition, this limit is a short term limit which applies at all times except during startup, shutdown, or malfunction.

For purpose of this condition, start-up and shutdown shall be defined as the time period during the startup and shutdown of the SCR (Device C1772) when the temperature of the exhaust gas at the inlet to SCR is below 500 degree F and NH3 is not injected.

**[ CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005 ]**

[Devices subject to this condition : D151]

A195.5 The 140 PPMV NOX emission limit(s) is averaged over 24-hour rolling and at 0% oxygen.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For the purposes of this condition, this limit is not to exceed 14 days per occurrence, when the SCR is shutdown because the waste heat boiler 2F-7 is shutdown for inspection per California Code of Regulations, Title 8, Section 770(b).

For purpose of this condition, start-up and shutdown shall be defined as the time period during the startup and shutdown of the SCR (Device C1772) when the temperature of the exhaust gas at the inlet to SCR is below 500 degree F and NH<sub>3</sub> is not injected.

[ CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005 ]

[Devices subject to this condition : D151]

A195.6 The 25 PPMV SOX emission limit(s) is averaged over 365-day rolling and at 0% oxygen.

For the purposes of this condition, this limit is a long term limit which applies at all times.

[ CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005 ]

[Devices subject to this condition : D151]

A195.7 The 50 PPMV SOX emission limit(s) is averaged over 7-day rolling and at 0% oxygen.

For the purposes of this condition, this limit is a short term limit which applies at all times except during startup, shutdown, or malfunction.

[ CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005 ]

[Devices subject to this condition : D151]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

A195.9 The 9 PPMV NOX emission limit(s) is averaged over 60 minutes corrected to 3% excess oxygen, dry basis. For the purpose of this condition, this limit is a long term limit which applies at all times except during startup, shut down, or malfunction.

For purpose of this condition, start-up and shutdown shall be defined as the time period during the start-up and shutdown of the SCR (Devices C1238, C1241) when the temperature of the exhaust gas at the inlet to SCR is below 500 degrees F and NH3 is not injected.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1236, D1239]

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

**[RULE 475, 10-8-1976; RULE 475, 8-7-1978]**

[Devices subject to this condition : D926]

A327.2 For the purpose of determining compliance with District Rule 476, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

**[RULE 476, 10-8-1976]**

[Devices subject to this condition : D803, D805, D1236, D1239]

#### **B. Material/Fuel Type Limits**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 11 psia or greater under actual operating conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D692, D730, D747, D773, D774, D776, D778, D779]

B22.3 The operator shall only use this equipment with materials having a(n) true vapor pressure of 5.23 psia or less under actual operating conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1763]

B22.5 The operator shall not use this equipment with materials having a(n) Reid vapor pressure of 13 psia or greater under actual operating conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D708]

B22.8 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1 psia or greater under actual operating conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D751]

B22.9 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D716, D719]

B22.10 The operator shall not use this equipment with materials having a(n) true vapor pressure of 4 psia or greater under actual operating conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D765]

B22.11 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.13 psia or greater under actual operating conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1743, D1747, D1751, D1755]

B22.12 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

**[RULE 1301, 12-7-1995; RULE 3004(a)(1), 12-12-1997]**

[Devices subject to this condition : D725, D2447]

B22.13 The operator shall only use this equipment with materials having a(n) true vapor pressure of 0.1 psia or less under actual operating conditions.

**[RULE 1301, 12-7-1995; RULE 3004(a)(1), 12-12-1997]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D718]

B27.2 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 06-05-2009.

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D167]

B59.1 The operator shall only use the following material(s) in this device :

Finished Gasoline, Oxygenated gasoline additives, Dehexanizer overhead/bottoms, Alkylate, Light/Heavy FCC, Light/heavy hydrocracked naphtha, Reformate, Light straight run, Hydrotreated naphtha, Isooctane/isooctene, Raffinate, Cat poly gasoline, RBOB

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1401, 6-5-2009]

[Devices subject to this condition : D761, D762]

B59.2 The operator shall only use the following material(s) in this device :

Diesel fuel, acid soluble oil, clarified slurry oil, vacuum gas oil, light vacuum gas oil, full range vacuum gas oil, heavy vacuum gas oil, ligh cycle oil

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

[Devices subject to this condition : D702]

B61.1 The operator shall only use fuel gas containing the following specified compounds:

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

Compound	ppm by volume
total sulfur calculated as H <sub>2</sub> S less than	100

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D925, D1236, D1239]

B61.2 The operator shall only use diesel fuel containing the following specified compounds:

Compound	weight percent
Sulfur less than or equal to	0.05

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D394, D955, D957, D959, D961, D1686, D1785, D1786]

B61.3 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H <sub>2</sub> S greater than	160

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D83, D84, D85, D120, C164, D231, D232, D234, D235, D367, C626, D803, D805, D833, D913, D914, D917, D918, D920, D925, D927, D928, D929, D930, D931, D949, D950, D1403]

B61.4 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
Total sulfur compounds calculated as H <sub>2</sub> S greater than	30

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D926]

B61.5 The operator shall not use (or combust) vent gas containing the following specified compounds:

Compound	ppm by volume
H <sub>2</sub> S greater than	160

The 160 ppmv limit is averaged over three hours, excluding any vent gas resulting from an emergency, shutdown, startup, process upset or relief valve leakage

**[RULE 1118, 11-4-2005]**

[Devices subject to this condition : C891, C892, C894, C1558]

B61.6 The operator shall not use fuel gas containing the following specified compounds:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

Compound		ppm by volume
H2S greater than		160

**[40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D926]

B61.7 The operator shall only use diesel fuel containing the following specified compounds:

Compound	Header 2	ppm by weight
Sulfur	less than or equal to	15

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D2428]

B61.8 The operator shall not use fuel gas containing the following specified compounds:

Compound	Header 2	ppm by weight
H2S	greater than	400

The 400 ppmv H2S limit is equivalent to 0.06 lb/MMBtu SO2 emissions specified in Subpart D.

By compliance with SO2 limit of 0.06 lb/MMBtu, the operator is not required to comply with PM limit of 0.1 lb/MMBtu specified in Subpart D.

**[40CFR 60 Subpart D, 10-4-1991]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D805]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the firing rate to no more than 108 MM Btu per hour.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D920]

C1.2 The operator shall limit the firing rate to no more than 129 MM Btu per hour.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D930]

C1.3 The operator shall limit the firing rate to no more than 73 MM Btu per hour.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D931]

C1.4 The operator shall limit the fuel usage to no more than 1.6 MM cubic feet per day.

For the purpose of this condition, fuel usage shall be defined as gas usage.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D917]

C1.5 The operator shall limit the firing rate to no more than 64 MM Btu per hour.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D950]

C1.6 The operator shall limit the number of turnovers to no more than 146 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D692]

C1.7 The operator shall limit the number of turnovers to no more than 39 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D716]

C1.8 The operator shall limit the throughput to no more than 5000000 barrels in any one calendar year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D776]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

C1.9 The operator shall limit the throughput to no more than 9250000 barrels in any one calendar year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D778, D779]

C1.10 The operator shall limit the number of turnovers to no more than 34 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D724]

C1.11 The operator shall limit the number of turnovers to no more than 41 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D773, D774]

C1.12 The operator shall limit the firing rate to no more than 931 MM Btu per hour.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D925]

C1.13 The operator shall limit the number of turnovers to no more than 40 in any one year.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D726]

C1.14 The operator shall limit the firing rate to no more than 340 MM Btu per hour.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1236, D1239]

C1.15 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

**[RULE 1110.2, 2-1-2008; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D394, D955, D957, D959, D961, D1686, D1785,  
D1786]

C1.17 The operator shall limit the throughput to no more than 1.59505e+07 barrel(s) in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1763]

C1.18 The operator shall limit the number of turnovers to no more than 24.5 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D1685]

C1.19 The operator shall limit the throughput to no more than 216720 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1925]

C1.20 The operator shall limit the throughput to no more than 1000 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1926]

C1.21 The operator shall limit the throughput to no more than 1517 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1927]

C1.22 The operator shall limit the throughput to no more than 8333 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1928]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

C1.23 The operator shall limit the throughput to no more than 1473 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1930]

C1.25 The operator shall limit the throughput to no more than 4442 gallon(s) per month.

To comply with this condition, the operator shall maintain purchase records in a manner approved by the District. Such records shall be made available to District personnel upon request.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1917]

C1.26 The operator shall limit the throughput to no more than 2000 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1918]

C1.27 The operator shall limit the throughput to no more than 1474 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1919]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

- C1.29 The operator shall limit the throughput to no more than 220000 barrel(s) in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per every 15 minutes.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8 percent, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D742, D743]

- C1.30 The operator shall limit the throughput to no more than 737000 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript: t}) \times H(\text{subscript: a})$ , where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H(subscript: t) is the height of the tank based on tank strapping chart and H(subscript: a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D757]

- C1.31 The operator shall limit the throughput to no more than 703500 barrel(s) in any one month.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t) x H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet per month..

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis..

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than .8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy..

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1220]

C1.32 The operator shall limit the throughput to no more than 270000 barrel(s) in any one calendar month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

The operator shall comply with the following throughput measuring practices:

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t) x H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement and record the liquid level reading every 15 minutes. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired.

While the ATLG is being repaired, throughput shall be determined by the hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1743, D1747, D1751, D1755]

- C1.33 The operator shall limit the throughput to no more than 145000 barrel(s) in any one calendar month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per every 15 minutes.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8 percent, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D734, D735]

C1.35 The operator shall limit the gasoline dispensed to no more than 45000 gallon(s) per month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D963]

C1.37 The operator shall limit the number of turnovers to no more than 50 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D715]

C1.41 The operator shall limit the number of turnovers to no more than 26 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D730]

C1.42 The operator shall limit the number of turnovers to no more than 10 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D751]

C1.44 The operator shall limit the throughput to no more than 439342 barrel(s) in any one month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1924]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

C1.45 The operator shall limit the throughput to no more than 135972 barrel(s) in any one month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D915]

C1.46 The operator shall limit the throughput to no more than 46666 barrel(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as throughput of fuel oil.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1897, D1898]

C1.47 The operator shall limit the loading rate to no more than 730000 barrel(s) in any one month.

This limit shall be based on the total combined limit for equipment D1526 & D1520, Loading Racks # 1 & 3, respectively.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1520, D1526]

C1.48 The operator shall limit the throughput to no more than 457833 barrel(s) in any one month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D761, D762]

C1.49 The operator shall limit the number of turnovers to no more than 52 in any one year.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1787]

C1.50 The operator shall limit the throughput to no more than 240000 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, throughput shall be defined as throughput of gasoline, light gas oil, light vacuum gas oil, heavy gas oil, heavy vacuum gas oil, hydrotreated kerosene, hydrotreated vacuum gas oil, hydrodesulfurized middle distillate, and straight run gas oil combined.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t) x H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement and record the liquid level reading every 15 minutes. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement.

If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8 percent whichever is greater, the ATLG shall be repaired and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the prior 30 days, prior to the discovery of the discrepancy.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D708]

C1.51 The operator shall limit the throughput to no more than 759,333 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, throughput shall be defined as throughput of gasoline, light vacuum gas oil, heavy vacuum gas oil, kerosene, hydrodesulfurized middle distillate, and straight run gas oil combined.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t) x  $H$  (subscript: a), where  $V$  is the volume of the tank in barrels based on the most recent version of the API Standard 2550,  $H$  (subscript: t) is the height of the tank based on the tank strapping chart and  $H$  (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement and record the liquid level reading every 15 minutes. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement.

If the ATLG differs from the manual tank level measurement by more than 1.0 inch 0.8 percent whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the prior 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D764]

- C1.52 The operator shall limit the throughput to no more than 428333 barrel(s) in any one calendar month.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2005]

- C1.53 The operator shall limit the throughput to no more than 428333 barrel(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as the amount of LSR loaded from Tank 200X1.

**[RULE 1304(c)-Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D1994]

- C1.54 The operator shall limit the throughput to no more than 8667 gallon(s) in any one calendar month.

To comply with this condition, the operator shall maintain purchase records in a manner approved by the District. Such records shall be made available to District personnel upon request.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1916, D1920, D2025]

- C1.56 The operator shall limit the throughput to no more than 2167 gallon(s) in any one calendar month.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

To comply with this condition, the operator shall maintain purchase records in a manner approved by the District. Such records shall be made available to District personnel upon request.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2023, D2024]

- C1.57 The operator shall limit the throughput to no more than 2427 gallon(s) in any one calendar month.

To comply with this condition, the operator shall maintain purchase records in a manner approved by the District. Such records shall be made available to District personnel upon request.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2026]

- C1.58 The operator shall limit the throughput to no more than 446667 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript: t}) \times H(\text{subscript: a})$ , where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H(subscript: t) is the height of the tank based on tank strapping chart and H(subscript: a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D725]

C1.59 The operator shall limit the throughput to no more than 500000 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript: t}) \times H(\text{subscript: a})$ , where  $V$  is the volume of the tank in barrels based on the most recent version of API Standard 2550,  $H(\text{subscript: t})$  is the height of the tank based on tank strapping chart and  $H(\text{subscript: a})$  is the total vertical one-way liquid surface level travel in feet per month.

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D728, D747]

C1.60 The operator shall limit the throughput to no more than 1200000 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript: t}) \times H(\text{subscript: a})$ , where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H(subscript: t) is the height of the tank based on tank strapping chart and H(subscript: a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D750]

C1.61 The operator shall limit the throughput to no more than 525000 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### **The operator shall comply with the terms and conditions set forth below:**

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript: t}) \times H(\text{subscript: a})$ , where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H(subscript: t) is the height of the tank based on tank strapping chart and H(subscript: a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D727]

C1.62 The operator shall limit the throughput to no more than 165000 barrel(s) in any one month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript: t}) \times H(\text{subscript: a})$ , where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H(subscript: t) is the height of the tank based on tank strapping chart and H(subscript: a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

#### [RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D693, D694]

C1.63 The operator shall limit the throughput to no more than 7200 gallon(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

A handheld electronic interface probe shall be used to periodically measure the depth (D) of the stored liquid from the bottom of the storage tank to the stored liquid/air interface.

The operator shall measure the D before the storage tank is emptied by the vacuum truck and calculate the throughput in gallons, which will be totaled at the end of a calendar month.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2027, D2029, D2030, D2031, D2032, D2037, D2038, D2039, D2040, D2041, D2042, D2043, D2044, D2045, D2046, D2047, D2048, D2049, D2050, D2065, D2066, D2067, D2071, D2073, D2074, D2075, D2076, D2077, D2078, D2085, D2087, D2088, D2089, D2090, D2091, D2092, D2099, D2100, D2101, D2102, D2103, D2104]

C1.64 The operator shall limit the throughput to no more than 416670 barrel(s) in any one month.

The operator shall comply with the following throughput measurement practices..

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t) x H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is the total vertical one-way liquid surface level travel in feet per month..

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis..

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than .8 percent, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy..

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D777]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

C1.65 The operator shall limit the throughput to no more than 457834 barrel(s) in any one month.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t) x  $H$  (subscript: a), where  $V$  is the volume of the tank in barrels based on the most recent version of the API Standard 2550,  $H$  (subscript: t) is the height of the tank based on the tank strapping chart and  $H$  (subscript: a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

An automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent, the ATLG shall be repaired.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D752]

C1.66 The operator shall limit the throughput to no more than 100 lb(s) in any one day.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2278]

C1.68 The operator shall limit the throughput to no more than 2000 ton(s) in any one day.

**[RULE 1303, 5-10-1996]**

[Devices subject to this condition : D2293]

C1.69 The operator shall limit the maintenance and testing to no more than 34 hour(s) in any one year.

The purpose(s) of this condition is to ensure compliance with requirements of National Fire Protection Association (NFPA) 25 standards.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1110.2, 2-1-2008; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 1470, 6-1-2007]**

[Devices subject to this condition : D955, D957, D959, D961, D1785]

C1.70 The operator shall limit the maintenance and testing to no more than 20 hour(s) in any one year.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1110.2, 2-1-2008; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 1470, 6-1-2007]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D394, D1686, D1786]

C1.71 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

This engine shall not be operated more than 199 hours in any one year, which includes no more than 34 hours in any one year and no more than 4.2 hours in any one month, both for maintenance and testing.

The 34 hours limit for maintenance and testing is to ensure compliance with requirements of National Fire Protection Association (NFPA) publication 25.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 5-4-2012;  
RULE 2012, 5-6-2005]**

[Devices subject to this condition : D2428]

C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D761, D762, D1763]

C6.3 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use a lower explosimeter to monitor the hydrocarbon concentration.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1178, 4-7-2006]**

[Devices subject to this condition : D701, D729, D734, D735, D740, D742, D743, D752, D758, D759, D760, D764, D768, D775]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1200 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every 12 months.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C686, C687]

- C8.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 900 Deg F.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every 12 months.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 2005, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C626]

C8.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1000 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every 12 months.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 2005, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C952]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

C12.1 The operator shall use this equipment in such a manner that the daily average secondary voltage and current (or total power input) and total primary current being monitored as indicated below are greater than or equal to the values in the most recent source test which demonstrated compliance with the emission limits.

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. primary and secondary current
2. primary and secondary voltage
3. spark rate

at each ESP field. In addition, the operator shall keep records, in a manner approved by the District, for each of these parameters.

If the daily average ESP total power input falls below the level measured in the most recent source test which demonstrated compliance with the emission limit, a source test shall be performed within 90 days at the new minimum daily average ESP total power level. The source test shall be performed for the FCCU regenerator (Device D151) according to the requirements specified in Permit Condition D29.3

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 409, 8-7-1981]**

[Devices subject to this condition : C165, C166]

C12.3 The operator shall use this equipment in such a manner that the pressure being monitored as indicated below is less than the pressure setting of the pressure relief device (PRD) for the equipment except during emergencies.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For this condition, the operator shall calculate the pressure of the liquid commodity using Antoine equation with the temperature measured as indicated below and Antoine constants of the commodity

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. Temperature of the stored LPG commodity

The operator shall also keep a record of the LPG commodity being stored in the tank. In addition, the operator shall keep records, in a manner approved by the District, for a minimum of three years.

The operator shall keep records of the PRD pressure setting for this equipment.

The operator shall be allowed to blow down/remove water from each device listed under this system at a rate of two times per shift for a total of three shifts per day.

The operator shall keep records of the amount in gallons per day for each device under this system vented to to the vapor recovery system

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D42, D780, D781, D782, D783, D784, D785, D786, D787, D788, D789, D790, D791, D792, D793, D794, D795, D796, D797, D798, D799, D800, D1418]

#### **D. Monitoring/Testing Requirements**

D12.1 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature across the SCR bed.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : C1772]

- D12.2 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR bed.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : C233, C236, C301, C395, C916, C923, C1238, C1241, C1772]

- D12.3 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage in the heater.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D917]

- D12.4 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 3004(a)(4)  
-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D394, D955, D957, D959, D961, D1686, D1785, D1786]

- D12.6 The operator shall install and maintain a(n) infrared flame detector to accurately indicate the presence of a flame at the pilot light.

The operator shall also install and maintain a device to continuously record the parameter being measured.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart A, 5-16-2007;  
CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : C891, C892, C1558]

- D12.8 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the SCR inlet.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : C233, C236, C301, C395, C916, C923, C1238,  
C1241]

- D12.9 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the equipment. The operator shall record the parameter being monitored daily.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C1769]

- D12.10 The operator shall install and maintain a(n) thermocouple to accurately indicate the presence of a flame at the pilot light.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 5-16-2007;  
CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : C894]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

D28.8 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted to determine the SOX emissions at the outlet.

The test shall be conducted to determine the ROG emissions at the outlet.

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial startup, and every five years thereafter.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

Source test shall be conducted when this equipment is operating at not less than 80 percent of the maximum firing rate.

The test shall be conducted for NO<sub>x</sub> and SO<sub>x</sub> (for initial and any subsequent tests) until the CEMS serving 4F-1 is RECLAIM certified. Once certified, source tests data may be substituted with CEMS data. Mobil may choose to conduct CO testing every three years, or concurrently with a RATA (9 x 30 minute runs).

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D367]

D28.11 The operator shall conduct source test(s) in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The test shall be conducted annually to determine the NH<sub>3</sub> emission.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring,  
12-12-1997]**

[Devices subject to this condition : C233, C236, C301, C395, C916, C1238, C1241]

D28.12 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted annually, once this equipment is operated that it is no longer be classified as non-operational, to determine the NH<sub>3</sub> emission.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring,  
12-12-1997]**

[Devices subject to this condition : C923]

D28.13 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted once every three years to determine the CO, PM, and VOC emissions at the outlet and the VOC control efficiency of the thermal oxidizer.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring,  
12-12-1997]**

[Devices subject to this condition : C686, C687]

D28.23 The operator shall conduct source test(s) in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The test shall be conducted yearly after the initial performance test using the test protocol approved by the District.

The test shall be conducted to determine the emission rates (lb/hr) of ROG, CO & PM emissions at the outlet.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D925, D926]

D28.25 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted once every three years to determine the CO & PM emissions at the outlet.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C952]

D28.26 The operator shall conduct source test(s) in accordance with the following specifications:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The test shall be conducted at least once to demonstrate compliance with NH3 emission limit per Rule 1105.1.

The test shall be conducted with the operation of the FCCU Regenerator bypass SCR/waste heat boiler/ID fan.

The test shall be conducted to determine the NH3 emissions at FCC Stack (Device S1739).

The test shall be conducted according to District Method 207.1.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D151]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
ROG emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment

The test(s) shall be conducted at least once every three years.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D1236, D1239]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet of the SCR

The test(s) shall be conducted at least annually.

The test shall be conducted when the equipment is operating under normal conditions.

Source test result shall be submitted to the District no later than 60 days after the source test was conducted

Source test results shall include the following parameters: FCCU feed rate; catalyst recirculation rate; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the ESP; and the average current, voltage, and spark rate at each of the ESP fields

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 409, 8-7-1981]**

[Devices subject to this condition : D151]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	District Method 5.2 (filterables compliance, condensables information)	District-approved averaging time	Outlet

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

PM10 emissions	District Method 5.2 Modified with EPA Method 201A Cyclone (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	District Method 5.2 with Previously Determined PM10 to PM Ratio Applied (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	EPA Method 5 (filterables compliance) and District Method 5.2 (condensables information)	District-approved averaging time	Outlet
NH3 emissions	District method 207.1	1 hour	Outlet
NOX emissions	District method 100.1	1 hour	Outlet
SOX emissions	District method 100.1	1 hour	Outlet
CO emissions	District Method 100.1 or 10.1	1 hour	Outlet
VOC emissions	District Method 25.1 or 25.3	1 hour	Outlet

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall choose any of the PM10 test methods as indicated above to comply with Rule 1105.1 requirements and the test results of any of the selected test methods shall be used to determine compliance with Rules 404 and 405

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial startup of the new ESP's. The AQMD engineer shall be notified in writing of the date and time of the test at least 10 days prior to the test.

The test shall be conducted in accordance with AQMD approved source test protocol. The protocol shall be submitted to the AQMD no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences.

The test shall be conducted with the following operating modes of the ESPs:.

1. Two new ESPs C2283 & C2284 are in full operating mode (two old ESPs C165 & C166 in idle mode)
2. One new ESP in full operating mode & two old ESPs in full operating mode with 1/2 flue gas flow rate @160,000 dscfm
3. One new ESP in full operating mode and two old ESPs in idle mode with 1/2 flue gas flow rate @160,000 dscfm

The test shall be conducted when the FCCU is operating with at least 80 percent of total FCCU feed rate (or 84 thousand barrels per day of total FCCU feed) with two ESPs in full operating mode.

The test shall be conducted when the FCCU is operating with at least 40 percent of total FCCU feed rate (or 42 thousand barrels per day of total FCCU feed) with one new ESP in full operating mode.

The test shall be conducted at least every year with three different operating modes after initial source test.

The operator shall provide the sampling port(s) at the inlet of the ESPs (C2283 &

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

C2284) in accordance with AQMD Method 1.1 - "Sample and Velocity Traverses for Stationary Source" and shall obtain a final approval from the AQMD for this sampling port(s) installation and operation, which should be included in the source test protocol

The test shall be conducted to determine the control efficiency of the ESPs in each mode.

Source test results shall include the following parameters in each mode: FCCU feed rate in KBD; catalyst recirculation rate in TPM; fresh catalyst (make-up & additives) rate in TPD; coke burn rate in lb/hr; oxygen & moisture content of exhaust gases; exhaust gas flow rate in dscfm; flue gas temperature at the inlet of the ESP; ammonia injection rate (at ESPs inlet & SCR inlet); and the average current in amps, voltage in volts & spark rate at each ESP field in use

A source test report shall be submitted to the AQMD no later than 60 days after the source test was completed

**[RULE 1105.1, 11-7-2003; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 407, 4-2-1982; RULE 409, 8-7-1981; 40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : C1772]

D29.5 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet

The test(s) shall be conducted at least once every three years.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 409, 8-7-1981]**

[Devices subject to this condition : C626]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

SOX concentration in ppmv

Oxygen concentration in percent volume

**[RULE 2011, 5-6-2005; 40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D925, C952]

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Oxygen concentration in percent volume

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D151, C164]

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

SOX concentration in ppmv

Oxygen concentration in percent volume

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D926]

D82.4 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

SOX concentration in ppmv

Oxygen concentration in percent volume

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005; 40CFR 60 Subpart GG, 2-24-2006]**

[Devices subject to this condition : D926]

D82.5 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

SOX concentration in ppmv

Oxygen concentration in percent volume

The NO<sub>x</sub> and SO<sub>x</sub> CEMS shall be certified prior to the startup of the new ESPs with a range covering the emission limits

**[RULE 2004, 5-11-2001; RULE 2011, 5-6-2005; RULE 2012, 5-6-2005; CONSENT  
DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D151]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D82.6 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

Oxygen concentration in percent volume

The CEMS shall convert the actual NOx concentrations in ppmv to lb/MMBtu.

The CEMS shall record the emissions on the hourly continuous basis on the format approved by the District.

The operator shall periodically measure the NOx according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on April 12, 2012, for the periodic monitoring and reporting of NOx in lb/MMBtu for the Boiler 75F-1.

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on April 12, 2012, for the Boiler 75F-1.

**[RULE 2004, 5-11-2001; RULE 2012, 5-6-2005; 40CFR 60SubpartD, 2-16-2012;  
CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D805]

D90.1 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every month.

The operator shall monitor the hydrocarbon concentration according to EPA Method 21.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : C1561, C2219, C2223, C2229]

D90.3 The operator shall continuously monitor the H<sub>2</sub>S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall monitor the concentration of the total sulfur compounds at the outlet of the fuel gas mix drum/knockout pot 24C-1 (Device D2234).

The operator shall use Gas Chromatography (GC 61) to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

**[RULE 2005, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D926]

D90.4 The operator shall continuously monitor the opacity at stack according to the following specifications:

The operator shall use opacity meter to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809,  
12-13-2005]**

[Devices subject to this condition : D151]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

D90.5 The operator shall periodically monitor the volatile organic compounds and benzene emissions at the outlet of the primary carbon canister according to the following specifications:

The operator shall monitor once every week during tank filling operations utilizing EPA Method 21 for volatile organic compounds and Draeger indicating tube for benzene.

The operator shall monitor volatile organic compounds at times when there is actual flow to the carbon canister (at tank filling period)

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane

#### [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : C2028, C2033, C2034, C2035, C2036, C2051, C2052, C2053, C2054, C2055, C2056, C2057, C2058, C2059, C2060, C2061, C2062, C2063, C2064, C2068, C2069, C2070, C2072, C2079, C2080, C2081, C2082, C2083, C2084, C2086, C2093, C2094, C2095, C2096, C2097, C2098, C2105, C2106, C2107, C2108, C2109, C2110, C2113, C2118]

D90.7 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the primary and secondary carbon canisters according to the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall monitor once every week, while Tank D935 (5D-1) is being filled or out-breathing. Measurements shall not be taken when Tank D935 is inbreathing or emptying.

If breakthrough occurs in two consecutive weeks, the operator shall monitor on a daily basis, and provide notification to the District.

Weekly monitoring may be resumed after 3 months, provided breakthrough does not occur within any consecutive 14 day period.

The operator shall monitor the VOC concentration according to EPA Reference Method 21.

The operator shall calibrate the instrument used to monitor the VOC concentration in PPMV with a calibration gas that is C4 or lighter.

The operator shall keep records for a minimum of five years, in a manner approved by the District, for the measured VOC concentrations.

**[RULE 1176, 9-13-1996; RULE 1303, 5-10-1996]**

[Devices subject to this condition : C2250]

D90.12 The operator shall continuously monitor the H<sub>2</sub>S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall monitor the H<sub>2</sub>S concentration at the outlet of the fuel gas mix drum 64C-4 (Device D838) for fuel combustion devices.

The operator shall use Gas Chromatography (GC 34) meeting the requirements of 40CFR60 Subpart J, Method 11 to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809,  
12-13-2005]**

[Devices subject to this condition : D83, D84, D85, D120, C164, D231, D232, D234, D235, D367, C626, D803, D805, D833, D913, D914, D917, D918, D920, D927, D928, D929, D930, D931, D949, D950, D1236, D1239, D1403]

D90.13 The operator shall periodically monitor the H<sub>2</sub>S compounds at the outlet of the primary vessel according to the following specifications:

The operator shall monitor once every day during the truck loading operations utilizing the Draeger tube.

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809,  
12-13-2005]**

[Devices subject to this condition : C2393, C2394]

D90.14 The operator shall continuously monitor the H<sub>2</sub>S concentration in the fuel gas, after being H<sub>2</sub>S treated by carbon vessels 28C-107 & 108, before being combusted in the incinerator 28F-11 according to the following specifications:

The operator shall monitor the H<sub>2</sub>S concentration at the outlet of the H<sub>2</sub>S treated carbon vessels 28C-107 & 108 (Devices C2393 & C2394) for fuel combustion device.

The operator shall use an H<sub>2</sub>S analyzer (Western Research Model 932 multi-gas analyzer) meeting the requirements of 40CFR60 Subpart J, Method 11 to monitor the parameter.

The operator shall obtain a written approval from the AQMD for the H<sub>2</sub>S analyzer, following the 40CFR60 Subpart A

The operator shall also install and maintain a device to continuously record the parameter being monitored.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809,  
12-13-2005]**

[Devices subject to this condition : C626, C2393, C2394]

D90.15 The operator shall periodically monitor the H<sub>2</sub>S concentration at the inlet of this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on December 18, 2006 for the periodic monitoring and reporting of H<sub>2</sub>S concentration for the off-gas streams from tanks 400x30, 400x31 and 510x4 in P15/S3 to the Clean Service flare (C1558) in P19/S6.

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on December 18, 2006 for the Clean Service flare (C1558).

**[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : C1558]

D90.16 The operator shall continuously monitor the total sulfur concentration in fuel gases before being burned in this device according to the following specifications:

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

During times when the operator uses refinery fuel gas from 8C-5 (Device D500), the operator will use Gas Chromatography (GC 33) to monitor total sulfur concentration for the 8C-5 (Device D500 refinery fuel gas.

During times when the operator uses refinery fuel gas from 64C-4 (Device D838), the operator will use a SO<sub>x</sub> CEMS on RECLAIM SO<sub>x</sub> reference source 75F-1 (Device D805) or 3F-3/4 (Device D930/D931) with common Device (S1975) that only use refinery fuel gas from fuel gas mix drum 64C-4 (Device D838) to calculate total sulfur concentration in the 64C-4 (Device D838) refinery fuel gas.

For the purposes of this condition and with regards to total sulfur concentration, natural gas and PSA waste gas used in 24F-1 (Device D925) shall be deemed to meet SCAQMD Clean Fuels Policy BACT Guidelines (10-20-2000). As such, no additional monitoring shall be required for these fuels.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

**[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D925]

D90.17 The operator shall periodically monitor the H<sub>2</sub>S concentration at the inlet of this device according to the following specifications:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

During times when the operator uses refinery fuel gas from 8C-5 (Device D500), the operator will use Gas Chromatography (GC 33) to monitor total sulfur concentration for the 8C-5 (Device D500 refinery fuel gas.

During times when the operator uses refinery fuel gas from 64C-4 (Device D838), the operator will use a SO<sub>x</sub> CEMS on RECLAIM SO<sub>x</sub> reference source 75F-1 (Device D805) or 3F-3/4 (Device D930/D931) with common Device (S1975) that only use refinery fuel gas from fuel gas mix drum 64C-4 (Device D838) to calculate total sulfur concentration in the 64C-4 (Device D838) refinery fuel gas.

For the purposes of this condition and with regards to total sulfur concentration, natural gas and PSA waste gas used in 24F-1 (Device D925) shall be deemed to meet SCAQMD Clean Fuels Policy BACT Guidelines (10-20-2000). As such, no additional monitoring shall be required for these fuels.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

**[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D925, D926]

D90.18 The operator shall continuously monitor the H<sub>2</sub>S concentration in the fuel gases before being burned in this device according to the following specifications:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

#### The operator shall comply with the terms and conditions set forth below:

The operator shall monitor the H2S concentration at the outlet of the fuel gas mix drum 64C-4 (Device D838) for fuel combustion devices.

The operator shall use Gas Chromatography (GC 34) meeting the requirements of 40CFR60 Subpart J, Method 11 to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

The operator, by compliance with this condition shall not be required to measure 1) the opacity of emissions utilizing a continuous opacity monitoring system (COMS) and 2) the SO2 emissions utilizing a continuous monitoring system (CEMS).

**[40CFR 60SubpartD, 2-16-2012]**

[Devices subject to this condition : D805]

- D94.1 The operator shall install, maintain and operate a sampling line at the inlet and outlet of the carbon canisters to allow measurement of the volatile organic compounds

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C2028, C2033, C2034, C2035, C2036, C2051, C2052, C2053, C2054, C2055, C2056, C2057, C2058, C2059, C2060, C2061, C2062, C2063, C2064, C2068, C2069, C2070, C2072, C2079, C2080, C2081, C2082, C2083, C2084, C2086, C2093, C2094, C2095, C2096, C2097, C2098, C2105, C2106, C2107, C2108, C2109, C2110, C2113, C2118]

- D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D394, D955, D957, D959, D961, D1686, D1785, D1786, D2428]

D182.1 The operator shall test this equipment in accordance with the following specifications:

The operator shall conduct a static pressure leak decay test to demonstrate that the storage tank(s), the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks.

The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD Office of Engineering and compliance within 72 hours of test.

The frequency for the above-mentioned test shall be in accordance with the most recent Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

The AQMD shall be notified by e-mail at [R461testing@aqmd.gov](mailto:R461testing@aqmd.gov) or at tel. no. (909) 396-3886 at least 72 hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; location of the facility; and scheduled start and completion dates of the static pressure leak decay test.

**[RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D965]

D182.2 The operator shall test this equipment in accordance with the following specifications:

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

If the CARB Executive Order requires installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose.

The test shall be conducted in accordance with CARB Test Procedure Method TP-201. 6. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within 72 hours of test.

The District shall be noticed by email at [r461testing@aqmd.gov](mailto:r461testing@aqmd.gov) or at telephone number (909) 306-3886 at least 72 hours prior to the testing. This notification shall include, but not limited to, the following items: the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the liquid removal test.

The frequency for the above-mentioned test shall be in accordance with the most recent Rule 461 amendment or CARB Executive order requirements, whichever is more stringent

**[RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D965]

D182.3 The operator shall test this equipment in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

To determine the control efficiency of the SCR, after June 29, 2006, the operator shall, prior to the first physical modification where a permit to construct is required, file a permit application for that modification and include with the application a method for determining the control efficiency of the SCR

Such method may include, sampling port at the inlet of the SCR, monitor/analyzer for NOx concentration at the inlet of the SCR, or other equivalent method to determine SCR efficiency as approved by the Executive Officer

Until the above method(s) is approved, the operator shall keep record of the ammonia injection rate and shall make it available upon AQMD request

Once the above method(s) is approved, the operator shall conduct the SCR control efficiency determination and annually thereafter

**[RULE 2005, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D925]

D182.4 The operator shall test this equipment in accordance with the following specifications:

To determine the PM10 emissions, after June 29, 2006, the operator shall, prior to the first physical modification where a permit to construct is required, file a permit application for that modification and include with the application a method for determining the PM10 emissions. Such method shall be provided in compliance with EPA or SCAQMD source test method

Until such time that a permit is issued for the modification, the PM10 emissions are assumed to equal to the PM emissions

Once the above method(s) is approved, the operator shall conduct the PM10 emissions determination and annually thereafter

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D925]

D182.5 The operator shall test this equipment in accordance with the following specifications:

The operator shall determine the true vapor pressure (VP) by one of the following methods: 1)sample and test the material stored, 2)derive the VP using engineering calculations, or 3)maintain on file a copy of the Material Safety Data Sheet (MSDS) of the material stored

Records of material stored, and their MSDS if applicable, shall be retained for a period of five years and made available to the Executive Officer upon request

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D692, D708, D716, D719, D730, D751, D765, D773, D774, D776, D778, D779, D1743, D1747, D1751, D1755, D1763]

D182.6 The operator shall test this equipment in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously measure and record the liquid surface level movement. The throughput, in barrels, shall be calculated using the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way liquid surface level travel in feet per month. For the purpose of this condition, continuous recording is defined as once per hour

Alternately, for tanks which do not have an ATLG device, the throughput shall be derived by using engineering calculations using parameters obtained from process records, shipping invoices, manual tank level gauging, etc.

Records of throughput shall be retained for a period of five years and made available to the Executive Officer upon request

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D692, D715, D716, D724, D726, D730, D751, D761, D762, D773, D774, D776, D778, D779, D915, D1685, D1763, D1787, D1897, D1898, D1916, D1917, D1918, D1919, D1920, D1924, D1925, D1926, D1927, D1928, D1930, D2005, D2023, D2024, D2025, D2026]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.  
in accordance with the reporting requirements in Section K of this permit

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D129, D130, D167, D168, D919, C1558, D2291, D2292, D2293, D2294, D2295, D2296, D2297, D2298, D2299, D2300, D2301, D2302, D2303, C2314, D2316, C2317, D2331, D2332, D2333, D2334, D2335, D2384, D2385, D2386, D2388, D2389]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.  
in accordance with the reporting requirements in Section K of this permit

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : C891, C892, C894]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the emission limits. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D83, D84, D85, D120, D231, D232, D234, D235, D269, D803, D805, D833, D913, D914, D917, D918, D920, D922, D924, D927, D928, D929, D930, D931, D949, D950, D1236, D1239, D1403]

D328.2 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the emission limits. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : C626]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D330.1 The operator shall have a person that has been trained in accordance with Rule 461 conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 461, 6-3-2005; RULE 461, Universal Conditions, 3-7-2008]**]

[Devices subject to this condition : D965]

#### **E. Equipment Operation/Construction Requirements**

E54.1 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C395 [SELECTIVE CATALYTIC REDUCTION REACTOR]

Requirement number 1: During startups and shutdowns. For the purpose of this condition, start-up and shutdown shall be defined as the time period during the startup and shutdown of the heater unit when the temperature of the exhaust gas at the inlet to SCR is below 550 degree F.

Requirement number 2: The operator shall limit startups and shutdowns to no more than 60 hours, not including the refractory dryout peiriod. Refreactory dryout shall be permitted up to a total of 144 consecutive hours to allow the curing of refractory materials.

Requirement number 3: During startup and shutdown, the operator shall used 244.05 lbs NOx per hur for reporting purposes under RECLAIM.

Requirement number 4: ExxonMobil shall submit a report tto the District annually with a summary of the number of hours for startups and shutdowns.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D925]

- E71.5 The operator shall only use this equipment to control odors from miscellaneous sources at the refinery. This equipment does not qualify as air pollution control equipment for compliance with SCAQMD, State, or Federal air pollution rules and regulations except for SCAQMD Rule 402 and Health & Safety Code 41700. The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

**[RULE 402, 5-7-1976]**

[Devices subject to this condition : C1729]

- E71.6 The operator shall only maintain a vacuum pressure of 4 inches Hg or higher in this equipment during normal operations.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D981, D982, D983, D984]

- E71.7 The operator shall only inject NH<sub>3</sub> into this equipment if the flue gas inlet temperature is at least 550 degrees F.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C301, C395, C916, C923, C1238, C1241]

- E71.9 The operator shall only inject NH<sub>3</sub> into this equipment if the flue gas inlet temperature is at least 500 degrees F.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C233, C236]

E71.10 The operator shall only use this equipment for the storage of any of the following materials/commodities: Crude oil of more than 97 % by volume.

**[RULE 1178, 4-7-2006]**

[Devices subject to this condition : D766, D770, D771]

E71.11 The operator shall only vent this equipment to the water sump whenever it is being filled. The operator shall not fill this silo unless the air/steam ejector is utilized and the vent gas is sparged at least 6 inches below the water surface of the sump.

**[RULE 404, 2-7-1986; RULE 405, 2-7-1986]**

[Devices subject to this condition : D167, D168, D2316]

E71.12 The operator shall not use this equipment to store anhydrous ammonia unless the pressure relief valve is set at 265 psig or higher.

**[RULE 1401, 6-5-2009]**

[Devices subject to this condition : D2336, D2339, D2340, D2341]

E71.14 The operator shall not operate this equipment when the standby eductor 28H-6B is in operation except during the transition periods from one eductor to the other.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D2391]

E71.15 The operator shall not operate this equipment when the main eductor 28H-6A is in operation except during the transition periods from one eductor to the other.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2409]

E71.16 The operator shall only use this equipment to directly drive fire-fighting pumps.

**[RULE 1110.2, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 1470, 5-4-2012]**

[Devices subject to this condition : D2428]

E102.2 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401,  
11-9-2001]**

[Devices subject to this condition : C165, C166, C2314]

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C1561, C2028, C2033, C2034, C2035, C2036, C2051, C2052, C2053, C2054, C2055, C2056, C2057, C2058, C2059, C2060, C2061, C2062, C2063, C2064, C2068, C2069, C2070, C2072, C2079, C2080, C2081, C2082, C2083, C2084, C2086, C2093, C2094, C2095, C2096, C2097, C2098, C2105, C2106, C2107, C2108, C2109, C2110, C2113, C2118, C2219, C2223, C2229]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2195, D2196, D2197, D2232]

E153.1 The operator shall change over the spent carbon with activated carbon, within 24 hours, in the adsorber whenever breakthrough occurs.

The operator shall replace the carbon as follows: The primary carbon canister shall be replaced with either a fresh carbon canister or the secondary canister, and the secondary canister shall be replaced with a fresh carbon canister

For the purpose of this condition, breakthrough shall be defined as any organic compound reading of 50 ppmv or more, or any benzene reading of 5 ppmv or more.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C2028, C2033, C2034, C2035, C2036, C2051, C2052, C2053, C2054, C2055, C2056, C2057, C2058, C2059, C2060, C2061, C2062, C2063, C2064, C2068, C2069, C2070, C2072, C2079, C2080, C2081, C2082, C2083, C2084, C2086, C2093, C2094, C2095, C2096, C2097, C2098, C2105, C2106, C2107, C2108, C2109, C2110, C2113, C2118]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E153.2 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the canister.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C1561]

E153.5 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv or greater at the outlet of the primary canister.

A change over shall consist of the following: Removal or regeneration of the primary carbon adsorption unit. Promotion of the secondary unit to the primary position, provided breakthrough has not occurred on the secondary unit. Installation of a new or regenerated adsorption canister at the secondary position. Both canisters shall be replaced or regenerated if breakthrough has occurred at the second canister.

Records shall be kept for a period of five years indicating the date and time when a carbon canister is replaced.

**[RULE 1176, 9-13-1996; RULE 1303, 5-10-1996; RULE 1303, 12-6-2002]**

[Devices subject to this condition : C2250]

E153.6 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitors reading indicates a concentration of 500 ppmv at the outlet of the canister in service or the last canister (when two canister are operated in series)

**[RULE 1303(a)-BACT, 5-10-1996]**

[Devices subject to this condition : C2219, C2223, C2229]

E175.2 The operator shall not use this equipment unless all exhaust air passes through the following:

CO boiler in fired mode

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D2278]

E193.1 The operator shall construct, operate, and maintain this equipment according to the following specifications:

All Phase I and Phase II vapor recovery equipment shall meet all California Air Resources Board Certification requirements

**[RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D963, D965]

E193.2 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall comply with all applicable requirements specified in Subpart A of the 40CFR60

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart A, 5-16-2007; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : C891, C892, C894, C1558]

E193.3 The operator shall operate and maintain this equipment according to the following specifications:

The circulating caustic solution in the relief gas scrubber must be recharged to the 4 percent by weight. NaOH strength immediately following an alkylation unit upset necessitating the deinventory of any HF acid to the acid evacuation drum, 5C-54

The relief gas scrubber (RGS) system shall be in full and continuous operation whenever the HF alkylation unit is in operation

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C940]

E193.5 The operator shall operate and maintain this equipment according to the following specifications:

The District shall be notified seven days prior to first starting the spray filling operation

The operator shall monitor and record the initial, midpoint, and final temperature in the railcar, and the product line pressure during the spray filling operation

The operator shall use a hydrocarbon analyzer to monitor the equipment daily for fugitive leaks during the spray filling operation

The product line pressure shall not exceed 225 psig during the spray filling operation

The operator shall install and maintain a temperature and pressure gauge to accurately indicate product temperature and product line pressure during the filling operation

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D675]

E193.6 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall notify the District at least seven days prior to first starting the spray filling operation

The operator shall monitor and record the initial, midpoint and final temperature in the railcar and the product line pressure during the spray filling operation of LPG

The operator shall use a hydrocarbon analyzer to monitor the equipment daily for fugitive leaks during the spray filling operation

The product line pressure shall not exceed 225 psig during the spray filling operation

The operator shall install and maintain a temperature and pressure gauge to accurately indicate product temperature and product line pressure during the filling operation

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D675]

E193.8 The operator shall operate and maintain this equipment according to the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall only operate this equipment if it complies with all applicable mitigation measures stipulated in the "Mitigation Monitoring Plan" document which is part of the AQMD Certified EIR dated 12-October-2001.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the applicable measures stipulated in the "Mitigation Monitoring Plan" document.

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D2005]

E193.9 The operator shall construct, operate, and maintain this equipment according to the following specifications:

The operator shall monitor the groundwater in compliance with the Regional Water Quality Control Board Cleanup Requirements specified under the current order for abatement

[Devices subject to this condition : D2115]

E193.15 The operator shall construct, operate, and maintain this equipment as follows:

Install and maintain sampling ports for the measurement of VOC emissions at an intermediary point between the first and second stage carbon adsorption canisters.

[**RULE 1303, 5-10-1996**; RULE 1303, 12-6-2002]

[Devices subject to this condition : C2250]

E193.16 The operator shall operate and maintain this equipment according to the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall comply with all applicable requirements specified in Subpart A of the 40CFR60

**[40CFR 60 Subpart A, 5-16-2007; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D83, D84, D85, D120, C164, D231, D232, D234, D235, D269, D367, C626, C686, C687, D803, D805, D833, D913, D914, D917, D918, D920, D922, D924, D925, D927, D928, D929, D930, D931, D949, D950, D1236, D1239, D1403]

E193.18 The operator shall construct, operate, and maintain this equipment according to the following specifications:

The operator shall comply with all mitigation measures stipulated by the AQMD Final Environmental Impact Report dated March 23, 2007

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D151]

E193.21 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall keep all sulfur compound contaminated condensate in a tightly covered container (Pot 28C-XP) which shall remain closed at all times. The operator shall only discharge/collect/transfer the sulfur compound contaminated condensate from this equipment (Pot 28C-XP) into a closed container (portable drum), which can be opened during filling or sampling for lab analysis

[RULE 1401, 6-5-2009; RULE 402, 5-7-1976]

[Devices subject to this condition : D2408]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E193.22 The operator shall operate and maintain this equipment according to the following specifications:

On a weekly basis, the liquid level in the pot (28C-XP) and the liquid color shall be monitored/inspected visually. Such level and color shall be recorded

During the transferring of the sulfur compound contaminated condensate to the portable collection drum, the sample shall be taken for lab analysis to determine the compositions and pH level in accordance with State and Federal criteria for hazardous waste

The analytical results shall be submitted to the District upon request

The requirements of this condition and any associated reporting/recorkeeping requirements may be terminated or adjusted as determined to be appropriate by the District based on the adequacy of information provided and the equipment's ability to comply with all applicable rules and regulations

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D2408]

E193.23 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall only discharge/collect the sulfur compound contaminated condensate, if any, from this equipment and associated piping system into closed container (Pot 28C-XP)

[RULE 1401, 6-5-2009; RULE 402, 5-7-1976]

[Devices subject to this condition : D2391, D2409]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E193.24 The operator shall install this equipment as follows:

The operator shall arrange two carbon adsorbers in parallel, put one (primary) in service, and the other one (secondary) in standby mode as backup

The operator shall change over the spent carbon in primary vessel with activated carbon whenever breakthrough occurs

The operator shall put the backup carbon vessel (secondary) in service, or replace the spent carbon in service vessel(primary) with the activated carbon

Breakthrough shall be defined as H<sub>2</sub>S compounds reading of 120 ppmv or more at the exit of the primary vessel

The operator shall use the bituminous coal type carbon material with a density in the range of 0.46 to 0.52 gram/cc, and a H<sub>2</sub>S capacity of at least 0.3 gram/cc per ASTM D6646-01 Test.

**[40CFR 60 Subpart A, 5-16-2007; CONSENT DECREE CIVIL CASE No. 05 C 5809,  
12-13-2005]**

[Devices subject to this condition : C2393, C2394]

E204.1 The operator shall tag the valves according to the following specifications:

This condition applies to all new valves greater than 2 inches in size, and major components in VOC service as defined by Rule 1173, except those specifically exempt by Rule 1173.

The affected valves shall be distinctly identified from other components through their tag numbers (e.f. numbers ending in the letter "N"), and shall be noted in the records.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1202, D1204]

E204.3 The operator shall repair the valves according to the following specifications:

For all new components in VOC service, a leak greater than 500 ppm but less than 1000 ppm measured as methane above background by EPA Method 21 shall be repaired within 14 days of detection.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1202, D1204, D1206, D1207, D1208, D1209, D1210]

E204.4 The operator shall inspect the valves and flanges according to the following specifications:

All new valves and flanges in VOC services except bellow sealed valves and those specifically exempted by Rule 1173 shall be inspected monthly using EPA reference method 21. If 98 percent or greater of the new valve and flange population inspected is found to leak gaseous or liquid volatile organic compound(s) at a rate less than 500 ppm, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1661]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E313.1 This device is classified as a non-operated major SO<sub>x</sub> and NO<sub>x</sub> source as defined under Rules 2011 and 2012 and shall not be operated unless the Facility Permit holder provides written notification to the Executive Officer 30 days prior to starting operation. In order to maintain the non-operational classification, the Facility Permit holder shall:

(a) Remove a section of the fuel feed line(s) to the device and place a blind flange on both ends of the fuel feed line(s); and

(b) Remove a section of the process feed line(s) and place a blind flange on both ends of the process feed line(s).

Removal of parts or components solely to qualify the device for non-operated classification pursuant to this condition, or replacement of the same removed parts or components resulting in the device no longer being classified as non-operated shall not be deemed to affect the potential to emit within the meanings of Rule 2005, Regulation XIII and Regulation XXX.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D922]

E315.1 Once this device is operated, it shall no longer be classified as non-operational. This device shall also meet the monitoring requirements of Rules 2011 and 2012, subparagraph (c)(2)(A) or (c)(2)(B) no later than 30 calendar days after the start of operation except as provided in Rule 2011, paragraph (c)(11) and Rule 2012, paragraph (c)(10).

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D922]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E318.1 This major SO<sub>x</sub> source shall no longer be considered an infrequently-operated major SO<sub>x</sub> source once it is operated in excess of 30 days in any compliance year. This device shall meet the monitoring requirements of Rule 2011, subparagraph (c)(2)(A) or (c)(2)(B) on and after the thirty-first day of operation in any compliance year unless it qualifies for a one-time only CEMS certification period as provided in Rule 2011, subparagraph (c)(11).

**[RULE 2011, 5-6-2005]**

[Devices subject to this condition : D833]

E336.1 The operator shall vent the vent gases from this equipment as follows:

All vent gases during normal operations shall be vented to a vapor recovery system.

This equipment shall not be operated unless the blowdown vapor recovery equipment is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 463, 5-6-2005]**

[Devices subject to this condition : D690, D691, D692, D693, D694, D695, D696, D699, D700, D702, D706, D708, D714, D715, D720, D721, D722, D724, D727, D728, D915, D1417, D1428, D1437, D1685, D1787, D1924, D1925]

E336.2 The operator shall vent the vent gases from this equipment as follows:

This equipment shall not be operated unless the vapor recovery system, when no spray filling takes place, is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D675]

E336.3 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the clean service flare system (Process 19, System 6) and that under emergency conditions may be vented to the atmosphere.

This equipment shall not be operated unless the clean service flare system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1118, 11-4-2005; RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D801, D802]

E336.4 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the East butane refrigeration system (Process 19, System 5) and, as necessary, clean service flare system (Process 19, System 6), and that under emergency conditions may be vented to the atmosphere.

This equipment shall not be operated unless the East butane refrigeration and clean service flare systems are in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1118, 11-4-2005; RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1379]

E336.5 The operator shall vent the vent gases from this equipment as follows:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

This equipment shall not be operated unless the vapor recovery system(s) is in full use and has a valid permit to receive vent gases from this equipment.

All vent gases under normal operating conditions shall be directed to the West butane refrigeration system (Process 19, System 7) or refinery vapor recovery system (Process 19, System 3) and that under emergency conditions shall be vent to the atmosphere.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1439]

E336.6 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be vented to a vapor recovery system or kept inside the railcar during spray loading of LPG only. Light straight run shall be loaded using the vapor recovery system, which is in full use and has a valid permit to operate.

This equipment shall not be operated unless the vapor recovery system, when no spray filling takes place, is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1994]

E336.7 The operator shall vent the vent gases from this equipment as follows:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

This equipment shall not be operated unless the vapor recovery system, when no spray filling takes place, is in full use and has a valid permit to receive vent gases from this equipment.

All vent gases under normal operating conditions shall be vented to a vapor recovery system when loading LSR, or kept inside the railcar during spray filling LPG.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D675]

E336.8 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the Air Pollution Control (APC) system (Process 14, System 2).

This equipment shall not be operated unless the APC system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D684, D685, D1773]

E336.9 The operator shall vent the vent gases from this equipment as follows:

All vent gases during normal operations shall be vented to a vapor recovery system.

This equipment shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D21, D22, D155, D156, D585, D594, D1250, D1328, D1341, D1419, D2145, D2247, D2251, D2252]

E336.11 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the Air Pollution Control (APC) system (Process 14, System 2).

This equipment shall not be operated unless the APC system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; 40CFR 60 Subpart QQQ, 10-17-2000]**

[Devices subject to this condition : D680, D681, D683, D689]

E336.12 The operator shall vent the vent gases from this equipment as follows:

All emergency vent gases shall be directed to a VRS/flare system except three PRV (PSV01-002, PSV01-003, and PSV01-045) set at 38 psig that vent to the atmosphere.

This equipment shall not be operated unless the VRS/flare system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1]

E336.16 The operator shall vent the vent gases from this equipment as follows:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

All vent gases under normal depressurizing or degassing operations shall be directed to the vapor recovery system.

This equipment shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008]**

[Devices subject to this condition : D42, D780, D781, D782, D783, D784, D785, D786, D787, D788, D789, D790, D791, D792, D793, D794, D795, D796, D797, D798, D799, D800, D1418, D2005]

E336.17 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the incinerator (Process 13, System 8).

This equipment shall not be operated unless the incinerator is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; 40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D1324]

E336.18 The operator shall vent the vent gases from this equipment as follows:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

All vent gases under normal operating conditions shall be vented to the H<sub>2</sub>S adsorption system (Process 13, System 8) and then to the sulfur vapor collection system (Process 13, System 7), and then to the incinerator (Process 13, System 8).

This equipment shall not be operated unless the above air pollution control system is in full use and has a valid permit to receive vent gases from this equipment.

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D644, D1375]

E336.20 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be directed to a vapor recovery system during filter purging operation. Only nitrogen gas shall be used to purge this equipment.

This equipment shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D2411]

E336.21 The operator shall vent the vent gases from this equipment as follows:

All emergency vent gases shall be directed to a blowdown flare system.

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1194]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

E336.22 The operator shall vent the vent gases from this equipment as follows:

The equipment shall vent to CO2 reclamation equipment or to the atmosphere.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 463, 5-6-2005]**

[Devices subject to this condition : D1265]

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

The closed vent system shall be operated with no detectable VOC emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined during the initial and semiannual inspections by methods specified in 40 CFR 60.696

**[40CFR 60 Subpart QQQ, 10-17-2000]**

[Devices subject to this condition : C686, C687]

E448.2 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall maintain in operation the following modes:

1. CO boiler C164 in maintenance mode: The emissions from the regenerator/cyclones may be vented directly to ESPs system and bypass CO boiler C164 during required maintenance of the CO boiler
2. CO boiler C164 in unfired mode: When ESP C2283 or C2284 is in maintenance mode, the emissions from the regenerator/cyclones shall be vented to the CO boiler C164, which may be operated in the unfired or waste heat boiler mode

The above modes shall not be in operation when the expander cleaning system (walnut shells injection period) is in operation

The District shall be notified 24 hours in advance of any scheduled maintenance and unfired mode of the CO boiler

The District shall be notified within 24 hours after any unscheduled maintenance and unfired mode of the CO boiler

An annual report shall be submitted to the District which includes a summary of the number of hours the CO boiler was operated in each mode, a description of maintenance, all scheduled and unscheduled work performed for each mode, CO concentration in PPM and hourly CO emissions calculated based on 40CFR 60 Subpart J monitoring data during each mode. The report shall be submitted within 90 days from the end of the calendar year

The operator shall not operate the FCCU if the CO emissions from the FCCU to the atmosphere exceed the 500 ppmv limits set forth in 40CFR60 Subpart J and Consent Decree

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : C164]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E448.3 The operator shall comply with the following requirements:

The operator shall maintain the SCR bypass stack dampers for Heaters 1F-1 and 1F-2 (Device IDs D913 and D914) at a fully closed position such that no emissions will be exhausted through the bypass stacks whenever fuel is supplied to the heaters, unless a contractor, who is certified under the Laboratory Approval Program (LAP), is continuously monitoring NO<sub>x</sub> and SO<sub>x</sub> emissions from the bypass stack(s) using a District-approved test method

The operator shall install and maintain damper limit switches or other equivalent device to accurately indicate the fully closed position of the SCR bypass stack dampers

The operator shall record the position of the dampers at least once every 15 minutes and any time the damper position changes

The operator shall maintain records in a manner approved by the District to demonstrate compliance with the requirements specified in this condition

The District shall be notified of the date and time of each opening of any bypass stack damper(s) for Heaters 1F-1 and 1F-2 at least 24 hours prior to opening for a planned event or no more than one hour after opening for an unplanned event

The District shall be notified of the date, time, and duration of each instance of the opening of any bypass stack dampers for Heaters 1F-1 and 1F-2 and of the uncontrolled emissions resulting from the event within 24 hours of closing the damper(s)

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D913, D914, S2425, S2426]

E448.4 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The operator shall maintain the SCR bypass stack dampers for Platinum Reformer Heater 19F-1 (Device ID D924) at a fully closed position such that no emissions will be exhausted through the bypass stacks whenever fuel is supplied to the heater

The operator shall install and maintain damper limit switches or other equivalent device to accurately indicate the fully closed position of the SCR bypass stack dampers

The operator shall record the position of the dampers at least once every 15 minutes and any time the damper position changes

The operator shall install and maintain an automatic fuel shutoff system to cut off the fuel supply to the heater whenever any of the bypass stack dampers is not in the fully closed position

The operator shall maintain records in a manner approved by the District to demonstrate compliance with the requirements specified in this condition

The District shall be notified of the date and time of each opening of any bypass stack damper(s) for Platinum Reforming Heater 19F-1 when fuel will be or was supplied to the heater while a Damper(s) were open at least 24 hours prior to opening for a planned event or no more than one hour after opening for an unplanned event

The District shall be notified of the date, time, duration of each instance of the opening of any bypass stack damper(s) for Platinum Reforming Heater 19F-1, as well as if fuel was supplied to the heater while a damper was open, within 24 hours of closing the damper(s)

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D924, S2427]

E448.6 The operator shall comply with the following requirements:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The emissions from the regenerator (Device D151) may be vented from ESP's C165, C166, C2283, and C2284 directly to atmosphere via Device S1739 and bypass the waste heat boiler (Device D1511), the SCR (Device C1772), and the ID fan (2K-2). During the inspection and maintenance of waste heat boiler per California Code of Regulations, Title 8, Section 770(b), the bypass of the SCR/waste heat boiler/ID fan will be limited to 14 days per occurrence.

The District shall be notified 24 hours in advance of any scheduled bypass of the SCR/waste heat boiler/ID fan

The District shall be notified within 24 hours following any unscheduled bypass of the SCR/waste heat boiler/ID fan

Records should be kept to demonstrate compliance with this condition

**[RULE 3004(a)(1), 12-12-1997; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D151, C1772]

E448.7 The operator shall comply with the following requirements:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The emissions from the boiler may be vented from CO catalyst reactor, economizer, and SCR directly to atmosphere via stacl. After the CalOSHA-mandated inspections and other maintenance activities are completed, boiler must be started up.

A startup or shutdown period shall not exceed 30 non-consecutive hours when the SCR system has no control effect for the subject devices.

Initial startup period of the subject devices shall be permitted to 144 hours per occurrence in each boiler.

The District shall be notified 24 hours in advance of any scheduled startup when SCR has no control effect.

The District shall be notified within 24 hours following any unscheduled startup when SCR has no control effect.

Records should be kept to demonstrate compliance with this condition.

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D1236, C1238, D1239, C1241]

#### **H. Applicable Rules**

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

**[RULE 1176, 9-13-1996]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D1773, D1775]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1178

**[RULE 1178, 4-7-2006; RULE 463, 5-6-2005]**

[Devices subject to this condition : D609, D610, D681, D683]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Kb

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; 40CFR 60 Subpart Kb, 10-15-2003]**

[Devices subject to this condition : D691, D692, D693, D694, D708, D724, D757, D761, D762, D778, D779, D915, D1220, D1685, D1743, D1747, D1751, D1755]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart QQQ, 10-17-2000]**

[Devices subject to this condition : D680, D681, D683, D689, D1907]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Ka

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; 40CFR 60 Subpart Ka, 12-14-2000]**

[Devices subject to this condition : D727, D728, D776, D777]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

**[RULE 1415, 10-14-1994; 40CFR 82 Subpart F, 5-14-1993]**

[Devices subject to this condition : E1899, E1900]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

Chromium, Hexavalent	District Rule	1404
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[RULE 1404, 4-6-1990]

[Devices subject to this condition : E1901]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E1906]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	465
Sulfur compounds	District Rule	465

[RULE 465, 8-13-1999]

[Devices subject to this condition : D2137, D2138, D2139, D2140, D2141, D2142, D2143, D2144, D2435]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D83, D84, D85, D120, C164, D231, D232, D234, D235, D269, D367, C626, C686, C687, D803, D805, D833, C891, C892, C894, D913, D914, D917, D918, D920, D922, D924, D927, D928, D929, D930, D931, D949, D950, C952, D1236, D1239, D1403, C1558]

H23.15 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	40CFR60, SUBPART	GG
SOX	40CFR60, SUBPART	GG
SOX	40CFR60, SUBPART	J

**[40CFR 60 Subpart GG, 2-24-2006; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D926]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

CO	40CFR60, SUBPART	J
PM	40CFR60, SUBPART	J
Visible Emissions	40CFR60, SUBPART	J
SOX	40CFR60, SUBPART	J

**[40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D151]

H23.18 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ
VOC	District Rule	1149

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; 40CFR 60 Subpart QQQ, 10-17-2000]**

[Devices subject to this condition : D730, D731, D741, D751, D1763]

H23.19 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J
NOX	40CFR60, SUBPART	Db

**[40CFR 60 Subpart Db, 1-28-2009; 40CFR 60 Subpart J, 6-24-2008]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D1236, D1239]

H23.24 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR61, SUBPART	FF

**[40CFR 63 Subpart CC, #5A, 6-23-2003]**

[Devices subject to this condition : D680, D681, D683, D684, D685, D693, D694, D705, D1685, D1907, D2253, D2254, D2255]

H23.25 This equipment is subject to the applicable requirements of the following rules or regulations:

TABLE CONDITION PARAMETER NOT SET UP

**[RULE 1173, 5-13-1994]**

[Devices subject to this condition : D1855]

H23.26 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1411
Refrigerants	40CFR82, SUBPART	B

**[RULE 1411, 3-1-1991; 40CFR 82 Subpart B, 7-14-1992]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : E1902]

H23.27 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

**[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]**

[Devices subject to this condition : E2022]

H23.29 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

**[RULE 109, 5-2-2003]**

[Devices subject to this condition : E2020]

H23.30 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464

**[RULE 464, 12-7-1990]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C236, D680, D684, D685, D1250, D2145]

H23.31 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

**[40CFR 60 Subpart Kb, 10-15-2003]**

[Devices subject to this condition : D752]

H23.32 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008]**

[Devices subject to this condition : D690, D695, D696, D699, D700, D706, D715, D720, D721, D722, D732, D733, D736, D738, D739, D745, D746, D747, D748, D749, D750, D753, D755, D756, D764, D765, D766, D767, D769, D770, D771, D772, D773, D774, D830, D831, D832, D1417, D1419, D1428, D1437]

H23.33 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

[Devices subject to this condition : D925, D1236, D1239]

H23.34 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, SUBPART	GGGa

This equipment was subject to the applicable requirements of 40CFR60 Subpart GGG per Consent Decree Civil Case No. 05 C 5809 dated 12-13-2005. This equipment is now subject to the applicable requirements of 40CFR60 Subpart GGGa per ExxonMobil's notification to EPA dated 08-24-2009.

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 60 Subpart GGGa, 6-2-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005]**

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D355, D356, D390, D525, D542, D574, D869, D980, D981, D982, D983, D984, D985, D986, D1298, D1475, D1527, D1556, D1740, D1788, D1789, D1790, D1791, D1792, D1793, D1794, D1800, D1803, D1805, D1807, D1808, D1809, D1810, D1815, D1819, D1825, D1826, D1827, D1828, D1829, D1830, D1831, D1834, D1838, D1839, D1840, D1842, D1844, D1845, D1849, D1850, D1851, D1853, D1855, D1860, D1862, D1863, D1864, D1865, D1877, D1888, D1889, D1890, D1891, D1892, D1895, D1936, D1937, D1938, D1955, D1956, D1957, D1983, D1987, D1988, D2009, D2010, D2111, D2231, D2249, D2256, D2259, D2330, D2366, D2367, D2368, D2369, D2370, D2371, D2372, D2373, D2374, D2375, D2376, D2377, D2378, D2379, D2380, D2383, D2415, D2417, D2422, D2430]

H23.35 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

**[RULE 1118, 11-4-2005]**

[Devices subject to this condition : C891, C892, C894, C1558]

H23.36 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, SUBPART	GGGa

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 60 Subpart GGGa, 6-2-2008]**

[Devices subject to this condition : D2412]

H23.37 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
VOC	District Rule	1110.2
CO	District Rule	1110.2
CO	40CFR60, SUBPART	III
NOX	40CFR60, SUBPART	III
PM	40CFR60, SUBPART	III
ROG	40CFR60, SUBPART	III
HAPs	40CFR63, SUBPART	ZZZZ

**[RULE 1110.2, 7-9-2010; RULE 1470, 5-4-2012; 40CFR 60 Subpart III, 7-11-2006;  
 40CFR 63 Subpart ZZZZ, 1-18-2008]**

[Devices subject to this condition : D2428]

H23.38 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415.1
Refrigerants	40CFR82, SUBPART	F

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[RULE 1415.1, 12-3-2010; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : D1939]

H23.39 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	40CFR60, SUBPART	D
SOX	40CFR60, SUBPART	D
Visible Emissions	40CFR60, SUBPART	D

[**40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809, 12-13-2005**]

[Devices subject to this condition : D805]

#### **I. Administrative**

I297.1 This equipment shall not be operated unless the facility holds 73 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

In lieu of holding RTCs for the entire duration specified above, RTCs held for the purpose of demonstrating compliance with this condition may be transferred as specified below, provided quarterly emissions do not exceed the corresponding quarterly limit listed in the table below. The amount available for transfer shall be as specified in Rule 2005(f)(3). Such amount may be transferred only after the end of the subject quarter. If the first day of operation does not coincide with the first day of a calendar quarter, the emission limit for that calendar quarter shall be prorated based on the number of days remaining in the calendar quarter as of the first day of operation and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for that calendar quarter pursuant to RECLAIM Monitoring, Recordkeeping, and Reporting protocols (MRR) and the emission limit for the portion of the first year of operation falling in the fifth calendar quarter shall be prorated based on the number of days of the first year of operation occurring in that calendar quarter and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for the portion of the first year of operation occurring in that calendar quarter pursuant to RECLAIM MRR. If the quarterly certified emissions for any quarter (or portion of a quarter occurring within the first year of operation) exceed the corresponding quarterly emission limit or prorated quarterly emission limit, as applicable, the facility may only sell RTCs held pursuant to Rule 2005(f) after the first calendar quarter ending at least one year after operation commences.

Calendar Quarter	Emission Limit (Pounds of NOx RTCs)
January 1 through March 31	18
April 1 through June 30	18
July 1 through September 30	18
October 1 through December 31	19

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D2428]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

I297.2 This equipment shall not be operated unless the facility holds 4 pounds of SOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

In lieu of holding RTCs for the entire duration specified above, RTCs held for the purpose of demonstrating compliance with this condition may be transferred as specified below, provided quarterly emissions do not exceed the corresponding quarterly limit listed in the table below. The amount available for transfer shall be as specified in Rule 2005(f)(3). Such amount may be transferred only after the end of the subject quarter. If the first day of operation does not coincide with the first day of a calendar quarter, the emission limit for that calendar quarter shall be prorated based on the number of days remaining in the calendar quarter as of the first day of operation and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for that calendar quarter pursuant to RECLAIM Monitoring, Recordkeeping, and Reporting protocols (MRR) and the emission limit for the portion of the first year of operation falling in the fifth calendar quarter shall be prorated based on the number of days of the first year of operation occurring in that calendar quarter and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for the portion of the first year of operation occurring in that calendar quarter pursuant to RECLAIM MRR. If the quarterly certified emissions for any quarter (or portion of a quarter occurring within the first year of operation) exceed the corresponding quarterly emission limit or prorated quarterly emission limit, as applicable, the facility may only sell RTCs held pursuant to Rule 2005(f) after the first calendar quarter ending at least one year after operation commences.

Calendar Quarter	Emission Limit (Pounds of SOx RTCs)
January 1 through March 31	1
April 1 through June 30	1

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

July 1 through September 30	1
October 1 through December 31	1

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D2428]

#### **J. Rule 461**

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

**[RULE 461, 6-3-2005]**

[Devices subject to this condition : D963]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

**[RULE 461, 6-3-2005]**

[Devices subject to this condition : D965]

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
20	0.15
40	0.16
60	0.35
80	0.62
100	0.95

As required by AQMD Rule 461 or CARB Executive Order, dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB Test Procedure Method TP-201.4. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at [R461testing@aqmd.gov](mailto:R461testing@aqmd.gov) or by facsimile at telephone number (909) 396-3606 at least seventy two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the dynamic back pressure test.

The test shall be conducted as frequently as that required by the most recent amendment to Rule 461 or CARB Executive Order requirements, whichever is more stringent.

[**RULE 461, 6-3-2005**; RULE 461, 3-7-2008]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D965]

#### **K. Record Keeping/Reporting**

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Source test results shall also include the heat input (in mmbtu/hr) and the fuel flow rate (in mmscf/hr) of the boiler under which the test was conducted.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C1238, C1241]

K40.4 The operator shall provide to the District a source test report in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D367, C1772]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the date of operation

the elapsed time in hours

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D394, D955, D957, D959, D961, D1686, D1785, D1786]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]**

[Devices subject to this condition : D690, D691, D695, D696, D697, D698, D699, D700, D701, D702, D703, D704, D706, D714, D715, D718, D719, D731, D732, D733, D734, D735, D736, D737, D738, D739, D740, D741, D742, D743, D744, D745, D746, D748, D753, D754, D755, D756, D758, D759, D760, D763, D764, D765, D766, D767, D768, D769, D770, D771, D772, D775, D776, D830, D831, D832, D1417, D1419, D1425, D1437, D1554, D2447]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E1905]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For spray filling only: product loaded, line pressure and railcar initial, midpoint and final temperature, number and magnitude of leaks found

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D675, D1994]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For spray filling only: product loaded; line pressure; and rail car initial, midpoint, and final temperature; number and magnitude of leaks found

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D675]

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Catalyst management including periodic addition/replacement

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : C233]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Daily inspections & maintenance of all the valves at this facility

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D2232, D2324, D2325, D2336, D2339, D2340, D2341]

K67.14 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Required maintenance of the CO boiler

Duration of the maintenance and unfired mode of the CO boiler

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D151, C164]

K67.15 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Duration of the planned startup and shutdown of the FCCU

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : D151]

K67.16 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Truck out hauls of the hopper

[RULE 1105.1, 11-7-2003]

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C2314]

K67.17 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

VOC concentration at the outlet of the primary carbon adsorber.

VOC concentration at the outlet of the secondary adsorber.

Date and time the VOC measurements were taken.

**[RULE 1303(a)-BACT, 5-10-1996]**

[Devices subject to this condition : D609, C2250]

K67.18 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

switching of carbon vessel for services and refilling the activated carbon

concentration of H<sub>2</sub>S (ppm) at outlet upon breakthrough

date of switching or refilling

supplier name of activated carbon

date of purchase

carbon type

density of carbon, gram/cc

H<sub>2</sub>S capacity, gram of H<sub>2</sub>S /cc

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL CASE No. 05 C 5809,  
12-13-2005]**

[Devices subject to this condition : C2393, C2394]

K67.19 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records when emptying the sulfur compound contaminated condensate collection pot 28C-XP

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D2408]

K67.20 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records when using the standby eductor (28H-6B) and associated piping system

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2391, D2409]

K67.21 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

A log of engine operations, including manual and automatic operation, documenting the total time the engine is operated each month and the specific reason for operation as:

- A. Emergency use
- B. Maintenance and testing
- C. Other (Describe the reason for the operation)

In addition, for each the engine is manually started, the log shall include the date of engine operation, the specific reason for operation, and the totalizing hour meter readings (in hours and tenths of hours) at the beginning and end of the operation.

On or before January 15th of each year, the operator shall record in the engine log:

- A. the total hours of engine operation for the previous calendar year, and
- B. the total hours of engine operation for maintenance and testing for the previous calendar year.

Engine operation log(s) shall be retained on site for a minimum of five calendar years and shall be made available to the Executive Officer or representative upon request.

[RULE 1110.2, 7-9-2010; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**  
RULE 1470, 5-4-2012]

[Devices subject to this condition : D2428]

K171.1 The operator shall provide to the District the following items:

Final drawings and/or specifications of the geodesic dome cover, slotted guidepole and wiper and other tank appurtenances upgrades to be installed/constructed shall be submitted to the district within 60 days after construction.

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1178, 4-7-2006]**

[Devices subject to this condition : D729, D752, D754, D763, D776, D778, D779]

K171.6 The operator shall provide to the District the following items:

Final designed data sheets within 60 days after construction of the fuel gas optimization project is completed

**[RULE 1301, 12-7-1995]**

[Devices subject to this condition : C2219, C2223, C2229]

K171.9 The operator shall provide to the District the following items:

Update P&ID drawings of the desalter tailwater handling system, including normal and emergency vents, the drain system for brine water and brine oily water, update function of Tanks 72D-10 & 72D-11, and the removal of the oily water sump, shall be submitted to the district within 60 days after permit issuance date

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D1250, D2145]

K171.11 The operator shall provide to the District the following items:

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

Update P&ID drawings of the fuel gas filter separators and associated reservoirs including emergency vents shall be submitted to the district within 60 days after permit issuance date

Final design data sheet of the filter separators (Vessels 1J-2 & 1J-3) including the internal filter elements shall be submitted to the District within 60 days after permit issuance date

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D2257, D2258]

K171.12 The operator shall provide to the District the following items:

P&ID drawings of the NH<sub>3</sub> injection grid located upstream of the SCR (Grid 3) shall be submitted to the district within 60 days after construction

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : C1772]

K171.13 The operator shall provide to the District the following items:

P&ID drawings of the bypass ducting handling emergency vent, including the dimensions and detailed flow detection with recording system, shall be submitted to the district within 60 days after permit issuance date

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : C1772]

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

K171.14 The operator shall provide to the District the following items:

Update and complete P&ID drawings of the equipment shall be submitted to the district within 60 days after permit issuance date

Operating and maintenance description

**[RULE 404, 2-7-1986; RULE 405, 2-7-1986]**

[Devices subject to this condition : D2316, C2317]

K171.15 The operator shall provide to the District the following items:

Update P&ID drawings of the heater, including the firing rate in MMBtu/hr, fuel gas/utility system, removal of miscellaneous process gases (fume/waste gas) feed line(s) and their knockout pots (e.g., Vessel 2C-20), shall be submitted to the District within 60 days after permit issuance date

**[RULE 2011, 5-6-2005; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D920]

K171.16 The operator shall provide to the District the following items:

Update P&ID drawings of the particulates/fines knockout pot including emergency vents shall be submitted to the District within 60 days after permit issuance date

Final design data sheet of the knockout pot (Vessel 2C-22) shall be submitted to the District within 60 days after permit issuance date

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D2321]

K171.17 The operator shall provide to the District the following items:

Update P&ID drawings of the fuel gas filter separators and associated reservoirs including emergency vents shall be submitted to the district within 60 days after permit issuance date

Final design data sheet of the filter separator shall be submitted to the District within 60 days after permit issuance date

**[RULE 1303(a)(1)-BACT, 5-10-1996]**

[Devices subject to this condition : D2328, D2329]

K171.19 The operator shall provide to the District the following items:

Update and complete the supporting documents (custom designed spec sheets, drawings, P&ID) of the Pot 28C-XP shall be submitted to the District within 60 days after permit issuance date

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D2408]

K171.20 The operator shall provide to the District the following items:

Update and complete P&ID 28AXXXD01 prepared for the treated sulfur vapor vent/vapor collection system eductors shall be submitted to the District within 60 days after permit issuance date

## **FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D2391, D2409]