



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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 17 : PETROLEUM MISCELLANEOUS PROCESSES					
System 3: <u>EMERGENCY FIRE-WATER SUPPLY SYSTEM</u>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE PUMP, 67G-4C, CARB DIESEL FUEL, CUMMINS, MODEL CFP9E-F30 (QSL9 SERIES) WITH CHARGE AIR COOLED, TURBOCHARGER, 323 HP A/N: 519368	D2423		NOX: PROCESS UNIT*; SOX: PROCESS UNIT	CO: 2.6 GRAMS/BHP-HR (4) [RULE 1303(a)(1) BACT]; NOX: 128 LBS/1000 GAL (1) [RULE 2012] NOx + NMHC: 3.0 GRAMS/BHP-HR (4) [RULE 1303(a)(1) BACT; RULE 2005 BACT]; PM: 0.15 GRAMS/BHP-HR (4) [RULE 1303(a)(1) BACT]; PM: (9) [RULE 404] SOX: 6.24 LBS/1000 GAL (1) [RULE 2011]	B61.7, Cx.xx, C1.x1, D135.1, H23.27, I297.x1, I297.x2, K67.21

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5)(5A)(5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
 (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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FACILITY CONDITIONS

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

~~This condition shall become effective on or after June 1, 2004.~~

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

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

Compound		ppm by weight
Sulfur	Less than or equal to	15

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition: D2423]

C. Throughput or Operating Parameter Limits

Cxx.x This engine shall be only used to directly drive fire-fighting pumps.

[RULE 1110.2, 7-9-2010; 1304(a)(4)-MODELING & OFFSET EXEMPTION, RULE 1470 6-1-2007]

C1.x1 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.



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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: D2423]

D. Monitoring/ Testing Requirements

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.

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

[Devices subject to this condition : D394, D955, D957, D959, D961, D1500, D1686, D1785, D1786, D2423]

H. Applicable Rules

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	40 CFR 60, Subpart	III
NOx	40 CFR 60, Subpart	III
PM	40 CFR 60,	III



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Contaminant	Rule	Rule/Subpart
	Subpart	
ROG	40 CFR 60, Subpart	III
HAPs	40 CFR 63, Subpart	ZZZZ

[Rule 1470, 5-04-2012; 40 CFR 60, Subpart III, 7-16-2006; 40 CFR 63, Subpart ZZZZ, 1-18-2008][Rule 1110.2, 7-9-2010]
[Devices subject to this condition: D2423]

I. Administrative

I297.x1 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.

##1 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



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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-March	18.25
April-June	18.25
July-September	18.25
October-November	18.25

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition: D2423]

I297.x2 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.

##1 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



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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 SO _x RTCs)
January-March	1
April-June	1
July-September	1
October-November	1

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

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

K. Record Keeping/Reporting

K67.21 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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 time 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, 7-09-2010; RULE 1304(a)-Modeling and Offset Exemption 6-14-1996; RULE 1470, 5-04-2012]

[Devices subject to this condition: D2423]