

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 16: STEAM GENERATION PROCESS					
System 1: UTILITY BOILERS					
BOILER, AUXILIARY, 2F-4, NATURAL GAS, REFINERY GAS, 309 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, REFINERY GAS, COEN, MODEL DAF28, WITH LOW NOX BURNER, 4 TOTAL; 309 MMBTU/HR	D803		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5A) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5B) [RULE 476, 10-8-1976]	A327.2, B61.3, D90.12, D328.1, E193.16, H23.13
BOILER, UTILITY, 75F-1, NATURAL GAS, REFINERY GAS, BABCOCK AND WILCOX, WITH LOW NOX BURNER, 291 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, COEN, MODEL DAF-26, WITH LOW NOX BURNER, STEAM OR WATER INJECTION, 3 TOTAL; 291 MMBTU/HR	D805		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5A) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5B) [RULE 476, 10-8-1976]	A63.5, A327.2, B61.3, B61.8, D82.6, D90.12, D90.18, D328.1, E193.16, H23.13, H23.39

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (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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Process 16: STEAM GENERATION PROCESS					
SELECTIVE CATALYTIC REDUCTION, HITACHI ZOSEN, FIXED BED, CERAMIC CATALYST, 212 CU FT A/N: 281303	C1238	D1236		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	D12.2, D12.8, D28.11, E71.7, E448.7, K40.3

* (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 limit (e.g. NSPS, NESHAPS, etc.)
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Process 16: STEAM GENERATION PROCESS					
BLOWER, 30K-2, FORCED DRAFT FAN, COMMON TO RESH AIR & CIRCULATED FLUE GAS, 700-HP A/N:	D2453				
SELECTIVE CATALYTIC REDUCTION, SERVING BOILER 30F-2 A/N: 281302	C1241	D1239		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	D12.2, D12.8, D28.11, E71.7, E448.7, K40.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 281305	D2009			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.34
System 2: ANHYDROUS AMMONIA STORAGE AND VAPORIZATION					
STORAGE TANK, PRESSURIZED, 30C-3, ANHYDROUS AMMONIA, WITH PRV VENT TO ATMOSPHERE SET TO AT LEAST 265 PSIG, 1000 GALS; DIAMETER: 3 FT 5 IN; LENGTH: 13 FT WITH A/N: 468906 EVAPORATOR, 30E-5, AMMONIA, ELECTRIC HEATED	D2341				E71.12, K67.13
System 3: FUEL GAS FILTER SEPARATORS					S13.2, S15.15, S31.5
KNOCK OUT POT, 30C-4, FUEL GAS MIX, COMMON TO BOILERS 30F-1 & 30F-2, HEIGHT: 8 FT 9 IN; DIAMETER: 3 FT 6 IN A/N: 422177	D2418				

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 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 16: STEAM GENERATION PROCESS					
FILTER, SEPARATOR, 30J-3, REFINERY FUEL GAS, VESSEL TYPE, WITH A LOWER BARREL, FOR STORAGE OF THE REMOVED LIQUID, SERVES BOILER 30F-1, HEIGHT: 6 FT 11 IN; DIAMETER: 1 FT A/N: 422177	D2419				
FILTER, SEPARATOR, 30J-4, REFINERY FUEL GAS, VESSEL TYPE, WITH A LOWER BARREL, FOR STORAGE OF THE REMOVED LIQUID, SERVES BOILER 30F-2, HEIGHT: 6 FT 11 IN; DIAMETER: 1 FT A/N: 422177	D2420				
FILTER, SEPARATOR, 75J-7, REFINERY FUEL GAS, VESSEL TYPE, WITH A LOWER BARREL, FOR STORAGE OF THE REMOVED LIQUID, SERVES BOILER 75F-1 A/N: 422935	D2421				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 422177	D2422			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.34
System 4: APC System					
CO OXIDATION CATALYST, CO CATALYST REACTOR FOR BOILER 30F-1, PEERLESS MFG, WITH PLATINUM TYPE CATALYST,, WIDTH: 8 FT 8 IN; HEIGHT: 15 FT 2 3/8IN; LENGTH: 2 FT 1/4 IN A/N:	C2451	D1236			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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- (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 limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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Process 16: STEAM GENERATION PROCESS					
CO OXIDATION CATALYST, CO CATALYST REACTOR FOR BOILER 30F-2, PEERLESS MFG, WITH PLATINUM TYPE CATALYST,, WIDTH: 8 FT 8 IN; HEIGHT: 15 FT 2 3/8IN; LENGTH: 2 FT 1/4 IN A/N:	C2454	D1239			

* (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 limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE EXXONMOBIL OIL CORPORATION

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 EXXONMOBIL OIL CORPORATION
 SECTION D: DEVICE ID INDEX**

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D2009	5	16	1
D2341	5	16	2
D2418	5	16	3
D2419	6	16	3
D2420	6	16	3
D2421	6	16	3
D2422	6	16	3
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