



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

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 7 : SULFUR PRODUCTION					P13.1, P13.2
System 1 : SULFUR RECOVERY UNIT NO. 1					S15.3, S15.7, S15.11, S18.2
REACTOR, THERMAL, CL-44, REFINERY GAS, H2S GAS WITH A/N: 480561	D242				H23.12
BLOWER, AIR, CL-809, 1250 HP	D972	C252, C282			
BURNER, CL-45, AUXILIARY NO. 1, H2S FIRED A/N: 480561	D805				
BURNER, AUXILIARY NO. 2, CL-46, H2S FIRED A/N: 480561	D806				
BURNER, AUXILIARY NO. 3, CL-47, H2S FIRED A/N: 480561	D807				
PIT, ACCUMULATOR, UNDERGROUND, S-49, SULFUR, NITROGEN BLANKETS, WIDTH: 20 FT; DEPTH: 13 FT; LENGTH: 35 FT A/N: 480561	D247	C252		H2S: 10 PPMV (5)[RULE 468, 10-8-1976]; S COMPOUNDS: 500 PPMV (5) [RULE 407, 4-2- 1982]	
SCRUBBER, V-2587, SULFUR PIT VAPOR, HEIGHT: 9 FT; DIAMETER: 4 FT A/N: 480561	C252	D247 D972 D973			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 480561	D855			HAP: (10) [40CFR63 Subpart CC, #5A, 6-23-2003]	H23.1, H23.22
CONDENSER, CL-538, NO. 1 A/N: 480561	D888				
CONDENSER, CL-539, NO. 2 A/N: 480561	D889				
CONDENSER, CL-540, NO. 3 A/N: 480561	D890				
CONDENSER, CL-541, NO. 4 A/N: 480561	D891			H2S: 10 PPMV (5)[RULE 468, 10-8-1976]; HAP: (10) [40CFR63 Subpart UUU, #4, 4-20-2006]; SOX: 250 PPMV (8) [40CFR60 Subpart J, 6-24-2008]; S COMPOUNDS: 500 PPMV (5) [RULE 407, 4-2-1982]	
Process 7 : SULFUR PRODUCTION					P13.1, P13.2

* (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 limits(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.



FACILITY PERMIT TO OPERATE

CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
System 2 : SULFUR RECOVERY UNIT NO. 2					S15.3, S15.7, S15.11, S18.2
REACTOR, THERMAL, CU-49, REFINERY GAS, H2S GAS WITH A/N:-392197 480562	D275				H23.12
BLOWER, AIR, CU-820, 1250 HP	D973	C252, C282			
BURNER, CU-50, AUXILIARY NO. 1, H2S FIRED A/N:-392197 480562	D808				
PIT, ACCUMULATOR, UNDERGROUND, S-60, SULFUR, NITROGEN BLANKETED, WIDTH: 20 FT; DEPTH: 13 FT; LENGTH: 35 FT A/N:-392197 480562	D277	C282		H2S: 10 PPMV (5)[RULE 468, 10-8-1976]; S COMPOUNDS: 500 PPMV (5) [RULE 407, 4-2-1982]	
BURNER, CU-51, AUXILIARY NO. 2, H2S FIRED A/N:-392197 480562	D809				
BURNER, CU-52, AUXILIARY NO. 3, H2S FIRED A/N:-392197 480562	D810				
SCRUBBER, V-2610, SULFUR PIT VAPOR, HEIGHT: 9 FT; DIAMETER: 4 FT A/N:-392197 480562	C282	C277 D972 D973			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:-392197 480562	D856			HAP: (10) [40CFR63 Subpart CC, #5A, 6-23-2003]	H23.1, H23.22
CONDENSER, CU 555, NO. 1 A/N:-392197 480562	D892				
CONDENSER, CU 556, NO. 2 A/N:-392197 480562	D893				
CONDENSER, CU 557, NO. 3 A/N:-392197 480562	D894				
CONDENSER, CU 558, NO. 4 A/N:-392197 480562	D895			H2S: 10 PPMV (5)[RULE 468, 10-8-1976]; HAP: (10) [40CFR63 Subpart UUU, #4, 4-20-2006]; SOX: 250 PPMV (8) [40CFR60 Subpart J, 6-24-2008]; S COMPOUNDS: 500 PPMV (5) [RULE 407, 4-2-1982]	
Process 6 : GAS AND WATER TREATMENT					P13.2
System 4 : AMINE REGENERATION UNIT NO. 1					S15.3, S15.6, S15.11

* (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 limits(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.



FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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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
TANK, SURGE, TK-1676, LEAN DEA, (COMMON TO DEA REGENERATION UNITS 1 & 2), 2030 BBL; DIAMETER: 30 FT; HEIGHT: 24 FT A/N: 392206	D244				
TANK, HOLDING, TK-1770, PRECOAT FILTER BACKWASH WATER, (COMMON TO DEA REGENERATION UNITS 1 & 2), 81 BBL; DIAMETER: 9 FT 6 IN; HEIGHT: 6 FT 6 IN A/N: 392206	D245				
TANK, HOLDING, TK-2504, PRECOAT MIX, (COMMON TO DEA REGENERATION UNITS 1 & 2), 500 GALS; DIAMETER: 5 FT; HEIGHT: 4 FT A/N: 392206	D246				
SUMP, UNDERGROUND, S-56, DEA, WIDTH: 4 FT 10 IN; DEPTH: 5 FT 2 IN; LENGTH: 4 FT 3 IN A/N: 392206	D248				
VESSEL, DEA FLASH AND SKIMMER, V-2570, LENGTH: 24 FT; DIAMETER: 13 FT A/N: 392206	D249				
ACCUMULATOR, V-2571, DEA STRIPPER OVERHEAD, HEIGHT: 11 FT; DIAMETER: 8 FT A/N: 392206	D250				
KNOCK OUT POT, V-2581, SOUR WATER, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 392206	D251				
FILTER, PRECOAT, V-3018, COMMON TO DEA REGENERATION UNITS 1 & 2 A/N: 392206	D254				
FILTER, PREFILTER, V-3134, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, LENGTH: 3 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 392206	D780				
FILTER, CARBON, V-3135, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, WITH A BASKET STRAINER (6 IN DIA X 18 IN LENGTH), HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 392206	D781				
COLUMN, STRIPPER, DA-282, DEA, HEIGHT: 90 FT; DIAMETER: 8 FT A/N: 392206	D804				
Process 6 : GAS AND WATER TREATMENT					P13.2

* (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 limits (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.



FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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
System 5 : AMINE REGENERATION UNIT NO. 2					S15.3, S15.6, S15.11
TANK, SURGE, TK-1676, LEAN DEA, (COMMON TO DEA REGENERATION UNITS 1 & 2), 2030 BBL; DIAMETER: 30 FT; HEIGHT: 24 FT A/N: 392206	D244				
COLUMN, DEA STRIPPER, DA-283, HEIGHT: 90 FT; DIAMETER: 8 FT A/N: 392197	D276			HAP: (10) [40CFR63 Subpart CC, #2, 10-28-2009]	
SUMP, UNDERGROUND, S-62, DEA, WIDTH: 4 FT 10 IN; DEPTH: 5 FT 2 IN; LENGTH: 4 FT 3 IN A/N: 392197	D278				
VESSEL, DEA FLASH AND SKIMMER, V-2572, LENGTH: 24 FT; DIAMETER: 13 FT A/N: 392197	D279				
ACCUMULATOR, V-2573, DEA STRIPPER OVERHEAD, HEIGHT: 11 FT; DIAMETER: 8 FT A/N: 392197	D280				
KNOCK OUT POT, V-2591, SOUR WATER, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 392197	D281				
TANK, HOLDING, TK-1770, PRECOAT FILTER BACKWASH WATER, (COMMON TO DEA REGENERATION UNITS 1 & 2), 81 BBL; DIAMETER: 9 FT 6 IN; HEIGHT: 6 FT 6 IN A/N: 392206	D245				
TANK, HOLDING, TK-2504, PRECOAT MIX, (COMMON TO DEA REGENERATION UNITS 1 & 2), 500 GALS; DIAMETER: 5 FT; HEIGHT: 4 FT A/N: 392206	D246				
FILTER, PRECOAT, V-3018, COMMON TO DEA REGENERATION UNITS 1 & 2 A/N: 392206	D254				
FILTER, PREFILTER, V-3134, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, LENGTH: 3 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 392206	D780				
FILTER, CARBON, V-3135, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, WITH A BASKET STRAINER (6 IN DIA X 18 IN LENGTH), HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 392206	D781				

* (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 limits (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.



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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
SOX	40CFR60, SUBPART	J

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

[Processes subject to this condition : 7]

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

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

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

[Processes subject to this condition : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

SYSTEM CONDITIONS

S15.3 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to a blowdown flare system or flare gas recovery system except Devices IDs D1, D2, D4, D65, D69, D95-D97, D816, D175, D188, D202, D803, D479, D896 that vent to the atmosphere.

This process/system shall not be operated unless the above air pollution control equipment 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

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

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

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



FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This process/system shall not be operated unless the above air pollution control equipment 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(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 6, System 1, 4, 5]

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 the tail gas treating (SCOT) unit.

This process/system shall not be operated unless the tail gas treating (SCOT) 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**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

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

S15.11 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 flare gas recovery system except device ID's D175, D188, D202, and D896 that vent to atmosphere.

This process/system shall not be operated unless the above air pollution control equipment (consisting of two compressors operating independently or concurrently at any given time) 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(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

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

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:

Sour Water Stripping Unit (Process: 6, System: 1)

Amine Regeneration Units (Process: 6, System: 4 and 5)



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

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(a)(1)-BACT, 12-6-2002**; **RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**]

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

DEVICE CONDITIONS

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[**RULE 1173, 5-13-1994**; **RULE 1173, 2-6-2009**]

[Devices subject to this condition : D841, D846, D848, D849, D852, D854, D855, D856, D857, D858, D861, D862, D868, D869, D870, D871, D872, D873, D875, D876, D877, D944, D945, D946, D947, D948]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR61, SUBPART	FF

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

[Devices subject to this condition : D222, D223, D242, D275, D380, D407, D408, D411, D412]

H23.22 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	GGG

[**RULE 1173, 5-13-1994**; **RULE 1173, 2-6-2009**; **40CFR60 Subpart GGG, 6-2-2008**]

[Devices subject to this condition : D472, D738, D740, D748, D749, D832, D835, D841, D842, D844, D848, D851, D852, D854, D855, D856, D857, D858, D957]



**FACILITY PERMIT TO OPERATE
 CONOCOPHILLIPS COMPANY**

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 11 : STEAM GENERATION					
System 1 : BOILERS					
BOILER, NO. 10, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 352 MMBTU/HR WITH A/N: 492088 BURNER, 4 BURNERS, 88 MMBTU/HR EACH, REFINERY/NATURAL GAS, COEN COMPANY, MODEL DELTA POWER II-27	D429	C921	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5)[RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.015 LBS/MMBTU [CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]	A63.5, A195.1, A305.2, B61.1, C1.21, D12.5, D28.14, D90.6, D328.1, H23.6



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

DEVICE CONDITIONS

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

Contaminant	Emissions Limit
NOx	Less than or equal to 23.2 tons in any calendar year

[CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition: D429]

A195.1 The 0.015 lbs/MMBtu NOx emission limit(s) is averaged over 365 day rolling average.

[CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition: D429]

A305.2 Whenever this equipment is in operation, the FGR and the SCR serving this equipment during normal operation (excluding startups and shutdowns) may be operated at any control efficiency provided that the emission concentrations being monitored by the certified CEMS serving this equipment is below the valid upper range specified in the approved CEMS plan.

During startups and shutdowns of this equipment, the FGR and the SCR serving this equipment may be operated at any control efficiency.

[RULE 2012, 5-6-2005]

[Devices subject to this condition: D429]

B61.1 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit shall be based on a rolling 3-hour averaging period.

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition: D59, D210, D429, D430, C538]

C1.21 The operator shall limit the firing rate to no more than 352 MMBtu per hour.



FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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 monitor and record the fuel rate and the high heating value of the refinery/natural gas. Such records shall be made available to the District personnel upon request.

[RULE 1301, 12-7-1995]

[Devices subject to this condition: D429, D430]

D12.5 The operator shall install and maintain a(n) fuel flow meter to accurately indicate the flue gas flow at the recirculation line.

The operator shall record the parameter being monitored once every 15 minute(s).

The operator shall record the parameter whenever the boiler is operating and the FGR is in use.

[RULE 1303(a)(1)-BACT, 5-10-1996, RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition: D429, D430]

D28.14 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least annually to determine the emission rate of ammonia at the outlet of the SCR with the SCR in full use. Testing shall also be conducted at least once every three years for PM and PM10 at the outlet of the SCR with the SCR in full use.

The test shall be conducted with the boiler operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District. The operator shall submit a test protocol to the District at least 60 days prior to the testing.

The test shall be conducted according to the approved test protocol. The District shall be notified of the date and time of the test at least 10 days prior to the test. Report of the test data, operating conditions of the equipment, and NH3 injection rate during the test shall be submitted to the District within 60 days after the test.

[RULE 1303(b)(2)-Offset, 5-10-1996, RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D429, C921]

D90.6 The operator shall continuously monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall use an NSPS Subpart J approved instrument meeting the requirements of 40CFR60 Subpart J to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator may monitor the H2S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned in this device.

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

[Devices subject to this condition: D59, D210, D429, D430, C538]

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 CO emission limit(s). 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: D59, D210, D429, D430]

H23.6 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 NO. H-05-0258, 8-11-2008]

[Devices subject to this condition: D59, D210, D429, D430]



FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Conn To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12 : MISCELLANEOUS					
System 6 : WILMINGTON EXTRACTION WELL					
KNOCK OUT POT, OIL, (110 IDENTICAL POTS), HEIGHT: 3 FT 4 IN; DIAMETER: 6 IN A/N: 478180	D533	C538			
KNOCK OUT POT, OIL, V- 3145, HEIGHT: 4 FT; DIAMETER: 1 FT 6 IN A/N: 478180	D535	C538			
DRUM, WATER SEAL, V-3201, HEIGHT 4 FT 10 IN; DIAMETER 18 IN A/N: 478180	D973	C538			
PULSATION DAMPENER, V-3144 A/N: 478180	D536	C538			
AFTERBURNER, NATURAL GAS, WELL GAS, F-4008, 1.2 MMBTU/HR A/N: 478180	C538	D533 D535 D536 D973	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV(5) [RULE 407, 4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1)[RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, C6.2, C8.2, D90.6, D332.1, E193.2, H23.34, K67.1



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

DEVICE CONDITIONS

B61.1 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit shall be based on a rolling 3-hour averaging period

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition : C538]

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon vapors flow rate being monitored, as indicated below, does not exceed 300 CFM.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the hydrocarbon vapors into this equipment.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C538]

C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1650 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the combustion chamber and the gauge shall be provided at 10 feet elevation above ground.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C538]

D90.6 The operator shall continuously monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:



**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an NSPS Subpart J approved instrument meeting the requirements of 40CFR60 Subpart J to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

The operator may monitor the H2S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned in this device.

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

[Devices subject to this condition : C538]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 concentration limit. 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 : C538]

E193.2 The operator shall install this equipment according to the following specifications:

The operator shall install an alarm system to warn of possible visible emission violation during emergency shutdown or failure of this equipment.

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

[Devices subject to this condition : C538]

H23.34 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

The operator shall monitor H2S concentration at the inlet to this equipment according to the approved EPA alternate monitoring plan (AMP) dated November 5, 2007. Upon request, a copy shall be made available to the Executive Officer or designee.

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



FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

requirements specified under this condition.

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition : C538]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Temperature

Fuel usage

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C538]