
FACILITY PERMIT TO OPERATE

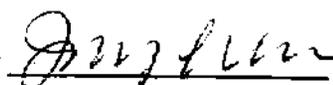
**CONOCOPHILLIPS COMPANY
1520 E SEPULVEDA BLVD
CARSON, CA 90745**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By 
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 1 : CRUDE DISTILLATION					P13.2
System 1 : CRUDE DISTILLATION UNIT					S13.5, S15.1, S15.3, S15.4, S15.11, S31.4
TANK, FLASH, DU-1, SPENT SODA , HEIGHT: 53 FT 6 IN; DIAMETER: 3 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D1				
COLUMN, PRIMARY, DU-3, CRUDE OIL, HEIGHT: 112 FT; DIAMETER: 12 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D2				
COLUMN, FIRST SIDE CUT STRIPPER, DU-4, HEIGHT: 47 FT; DIAMETER: 5 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D3				
COLUMN, SECONDARY, DU-5, CRUDE OIL, HEIGHT: 174 FT 6 IN; DIAMETER: 16 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D4				
COLUMN, 2ND & 3RD SIDE CUT STRIPPERS, DU-6, HEIGHT: 40 FT 6 IN; DIAMETER: 5 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D5				
ACCUMULATOR, V-2142, PRIMARY COLUMN OVERHEAD, HEIGHT: 23 FT 10 IN; DIAMETER: 5 FT 6 IN A/N: 471540 Permit to Construct Issued: 12/04/07	D6				

- * (1) Denotes RECLAIM emission factor
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- (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
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Process 1: CRUDE DISTILLATION					P13.2
VESSEL, TREATER, 1ST STAGE SODA, V-2147, PRIMARY COLUMN OVERHEAD, HEIGHT: 29 FT; DIAMETER: 6 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D8				
ACCUMULATOR, V-3043, SECONDARY COLUMN OVERHEAD, HEIGHT: 30 FT; DIAMETER: 9 FT 6 IN A/N: 471540 Permit to Construct Issued: 12/04/07	D9				
VESSEL, SWEETNER, V-2197, PRIMARY COLUMN TOPS, HEIGHT: 19 FT; DIAMETER: 7 FT 6 IN A/N: 471540 Permit to Construct Issued: 12/04/07	D11				
VESSEL, SEPARATOR, SECONDARY COLUMN THIRD STAGE, V-3047, HEIGHT: 6 FT; DIAMETER: 4 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D16				
VESSEL, SEPARATOR, SECONDARY COLUMN SECOND STAGE, V-3046B, HEIGHT: 7 FT; DIAMETER: 4 FT A/N: 471540 Permit to Construct Issued: 12/04/07	D953				

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Process 1 : CRUDE DISTILLATION					P13.2
VESSEL, SEPARATOR, SECONDARY COLUMN FIRST STAGE, V-3045B, HEIGHT: 7 FT 9 IN; DIAMETER: 4 FT 6 IN A/N: 471540 Permit to Construct Issued: 12/04/07	D954				
VESSEL, SEPARATOR, SECONDARY COLUMN FIRST STAGE, V-3044B, HEIGHT: 7 FT 9 IN; DIAMETER: 4 FT 6 IN A/N: 471540 Permit to Construct Issued: 12/04/07	D955				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 471540 Permit to Construct Issued: 12/04/07	D832			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.22
System 2 : CRUDE DISTILLATION UNIT HEATERS					
HEATER, CRUDE OIL, DU-255, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 350 MMBTU/HR WITH A/N: 384792 Permit to Construct Issued: 07/11/01	D59		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5A) [RULE 407,4-2-1982]; CO: 10.4 LBS/HR (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002] PM: 0.1 GRAINS/SCF (5B) [RULE 409,8-7-1981]; PM: (9) [RULE 404,2-7-1986]; PM: 5.44 LBS/HR (5) [RULE 1303(b)(2)-Offset, 5-10-1996]	A305.1, B61.1, C1.10, D12.4, D28.9, D29.2, D90.6, D328.1, H23.6

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 (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
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Process 1 : CRUDE DISTILLATION					P13.2
BURNER, 36 BURNERS, REFINERY/NATURAL GAS, CALLIDUS TECHNOLOGIES INC., MODEL LE-CSG-10W, 9.72 MMBTU/HR EACH, WITH LOW NOX BURNER				RULE 1303(b)(2)-Offset, 12-6- 2002] ; ROG: 1.81 LBS/HR (5) [RULE 1303(b)(2)-Offset, 5-10- 1996; RULE 1303(b)(2)-Offset, 12-6- 2002]	
System 4 : VACUUM FLASH UNIT					S13.5, S15.2, S15.3, S15.4, S15.11, S31.3
TANK, SURGE, V-2250, SR RESIDUE, WITH NATURAL GAS BLANKETING, HEIGHT: 27 FT 6 IN; DIAMETER: 16 FT 3 IN A/N: 472815 Permit to Construct Issued: 12/04/07	D64				
ACCUMULATOR, V-2251, FLASHER OVERHEAD, HEIGHT: 20 FT; DIAMETER: 9 FT A/N: 472815 Permit to Construct Issued: 12/04/07	D65				H23.10
KNOCK OUT POT, STEAM AIR DECOKING QUENCH, V-2253, HEIGHT: 7 FT 8 IN; DIAMETER: 4 FT A/N: 472815 Permit to Construct Issued: 12/04/07	D66				

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- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
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Process 1 : CRUDE DISTILLATION					P13.2
COLUMN, FLASHER, FR-1, HEIGHT: 127 FT; DIAMETER: 23 FT 6 IN A/N: 472815 Permit to Construct Issued: 12/04/07	D69				
SCRUBBER, DEA, FR-2, VENT GAS A/N: 472815 Permit to Construct Issued: 12/04/07	D70				
COMPRESSOR, FR-501, VENT GAS A/N: 472815 Permit to Construct Issued: 12/04/07	D77				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472815 Permit to Construct Issued: 12/04/07	D835			HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003]	H23.22
System 7 : BRINE FLASH STRIPPER (BENZENE STRIPPER)					S15.1, S15.3, S15.11, S31.2
VESSEL, DU-301, BRINE FLASH STRIPPER, HEIGHT: 24 FT; DIAMETER: 6 FT A/N: 409983 Permit to Construct Issued: 03/09/04	D919			HAP: (10) [40CFR 63 Subpart CC, #4,6-23-2003]	H23.12
VESSEL, V-3152, STRIPPER OVERHEAD ACCUMULATOR, LENGTH: 14 FT; DIAMETER: 4 FT 6 IN A/N: 409983 Permit to Construct Issued: 03/09/04	D920				

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Process 1 : CRUDE DISTILLATION					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 409983 Permit to Construct Issued: 03/09/04	D834			HAP: (10) [40CFR 63 Subpart CC, #5A,6-23-2003]	H23.22
System 8 : CRUDE UNIT FEED DESALTER					S13.5, S15.1, S15.3, S15.4, S15.11
VESSEL, DESALTER, V-2171, CRUDE OIL, LENGTH: 49 FT; DIAMETER: 12 FT A/N: 338062 Permit to Construct Issued: 05/14/98	D10				
VESSEL, DESALTER, V-2342, CRUDE OIL, LENGTH: 49 FT; DIAMETER: 12 FT A/N: 338062 Permit to Construct Issued: 05/14/98	D12				
VESSEL, DESALTER, V-3048, CRUDE OIL, LENGTH: 55 FT; DIAMETER: 12 FT A/N: 338062 Permit to Construct Issued: 05/14/98	D17				
TANK, SURGE, V-2419, BRINE, HEIGHT: 10 FT 1 IN; DIAMETER: 6 FT 6 IN A/N: 338062 Permit to Construct Issued: 05/14/98	D55				

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Process 1 : CRUDE DISTILLATION					P13.2
VESSEL, DESALTER, V-3148, CRUDE OIL, LENGTH: 73 FT; DIAMETER: 12 FT A/N: 338062 Permit to Construct Issued: 05/14/98	D823				
VESSEL, DESALTER, V-3149, CRUDE OIL, LENGTH: 73 FT; DIAMETER: 12 FT A/N: 338062 Permit to Construct Issued: 05/14/98	D824				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 338062 Permit to Construct Issued: 05/14/98	D957			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.22
Process 2 : COKING AND RESIDUAL CONDITIONING					P13.2
System 1 : DELAYED COKING UNIT					S13.5, S15.4, S31.3
FRACTIONATOR, MAIN, CK-1, HEIGHT: 149 FT; DIAMETER: 15 FT 6 IN A/N: 464152 Permit to Construct Issued: 07/18/07	D80				
COLUMN, STRIPPER, CK-2, EXTRA HEAVY GAS OIL, HEIGHT: 25 FT 6 IN; DIAMETER: 3 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D81				

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
COLUMN, STRIPPER, CK-3, HEAVY GAS OIL, HEIGHT: 43 FT; DIAMETER: 5 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D82				
COLUMN, STRIPPER, CK-4, LIGHT GAS OIL, HEIGHT: 43 FT; DIAMETER: 4 FT 6 IN A/N: 464152 Permit to Construct Issued: 07/18/07	D83				
ACCUMULATOR, V-2247, MAIN FRACTIONATOR OVERHEAD, HEIGHT: 22 FT; DIAMETER: 12 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D84				
ACCUMULATOR, V-2248, MAIN FRACTIONATOR OVERHEAD, HEIGHT: 20 FT; DIAMETER: 9 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D85				
DRUM, COKE, V-2236, HEIGHT: 75 FT; DIAMETER: 26 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D796			PM: (9) [RULE 405.2-7-1986]	D323.2
DRUM, COKE, V-2237, HEIGHT: 75 FT; DIAMETER: 26 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D797			PM: (9) [RULE 405.2-7-1986]	D323.2

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Process 2 : COKING AND RESIDUAL CONDITIONING					P13.2
DRUM, COKE, V-2238, HEIGHT: 75 FT; DIAMETER: 26 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D798			PM: (9) [RULE 405,2-7-1986]	D323.2
DRUM, COKE, V-2239, HEIGHT: 75 FT; DIAMETER: 26 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D799			PM: (9) [RULE 405,2-7-1986]	D323.2
ABSORBER, RECTIFIED, CK-5, HEIGHT: 159 FT 6 IN; DIAMETER: 7 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D95				
COLUMN, SPONGE, CK-6, HEIGHT: 42 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 464152 Permit to Construct Issued: 07/18/07	D96				
COLUMN, DEBUTANIZER, CK-7, HEIGHT: 136 FT 6 IN; DIAMETER: 8 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D97				
SETTLING TANK, V-2245, DEBUTANIZER OVERHEAD, LENGTH: 7 FT; DIAMETER: 5 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D99				
COMPRESSOR, CK-501, WET GAS A/N: 464152 Permit to Construct Issued: 07/18/07	D103				

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Process 2 : COKING AND RESIDUAL CONDITIONING					P13.2
KNOCK OUT POT, V-3122, HEIGHT: 8 FT 4 IN; DIAMETER: 3 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D758				
KNOCK OUT POT, V-3172, WET GAS COMPRESSOR DISCHARGE, HEIGHT: 8 FT 6 IN; DIAMETER: 5 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D943				
FUGITIVE EMISSIONS, MISCELLANBOUS A/N: 464152 Permit to Construct Issued: 07/18/07	D838			HAP: (10) [40CFR 63 Subpart CC, #5A,6-23-2003]	H23.22
Process 3 : HYDROTREATING					P13.2
System 1 : FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT DHT-3					S13.5, S15.2, S15.3, S15.4, S15.11, S31.5
COLUMN, PRODUCT STRIPPER, DH-280, HEIGHT: 60 FT; DIAMETER: 6 FT 6 IN A/N: 487403 Permit to Construct Issued: 05/12/09	D127				
ABSORBER, DEA, HP-275, HEIGHT: 80 FT; DIAMETER: 5 FT 7 IN A/N: 487403 Permit to Construct Issued: 05/12/09	D128				
ABSORBER, DEA, HP-276, HEIGHT: 25 FT; DIAMETER: 2 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D129				

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Process 3 : HYDROTREATING					P13.2
TANK, SURGE, V-1084, WASH WATER, HEIGHT: 12 FT; DIAMETER: 5 FT 6 IN A/N: 487403 Permit to Construct Issued: 05/12/09	D130				
TANK, SURGE, V-2522, RECYCLE GAS, HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D131				
TANK, SURGE, V-2555, HEIGHT: 30 FT; DIAMETER: 10 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D136				
REACTOR, NO.1, V-2556, HEIGHT: 14 FT; DIAMETER: 10 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D137				
REACTOR, NO. 2, V-2557, HEIGHT: 14 FT; DIAMETER: 10 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D138				
REACTOR, NO. 3, V-2558, HEIGHT: 24 FT; DIAMETER: 10 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D139				
REACTOR, NO. 4, V-2559, HEIGHT: 34 FT; DIAMETER: 10 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D140				

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- (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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**FACILITY PERMIT TO OPERATE
 CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 3 : HYDROTREATING					P13.2
REACTOR, NO. 5, V-2560, HEIGHT: 44 FT; DIAMETER: 10 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D141				
VESSEL, SEPARATOR, HIGH PRESSURE AND HIGH TEMPERATURE, V-2561, HEIGHT: 30 FT; DIAMETER: 9 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D142				
VESSEL, SEPARATOR, LOW PRESSURE AND HIGH TEMPERATURE, V-2562, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D143				
VESSEL, SEPARATOR, HIGH PRESSURE AND LOW TEMPERATURE, V-2563, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D144				
VESSEL, SEPARATOR, LOW PRESSURE AND LOW TEMPERATURE, V-2564, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D145				

- * (1) Denotes RECLAIM emission factor
- (2) 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
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: HYDROTREATING					P13.2
VESSEL, FILTER, V-3032, HEIGHT: 18 FT; DIAMETER: 7 FT 6 IN A/N: 487403 Permit to Construct Issued: 05/12/09	D964				
VESSEL, FILTER, V-3033, HEIGHT: 18 FT; DIAMETER: 7 FT 6 IN A/N: 487403 Permit to Construct Issued: 05/12/09	D965				
ACCUMULATOR, V-2565, STRIPPER OVERHEAD, HEIGHT: 30 FT; DIAMETER: 6 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D146				
KNOCK OUT POT, DECOKING, V-2569, HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 487403 Permit to Construct Issued: 05/12/09	D148				
COMPRESSOR, HP-559, STRIPPER VENT GAS A/N: 487403 Permit to Construct Issued: 05/12/09	D169				
COMPRESSOR, HP-560, STRIPPER VENT GAS A/N: 487403 Permit to Construct Issued: 05/12/09	D170				
COMPRESSOR, HP-558, RECYCLE GAS A/N: 487403 Permit to Construct Issued: 05/12/09	D800				

- * (1) Denotes RECLAIM emission factor
- (2) 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

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CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 3 : HYDROTREATING					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 487403 Permit to Construct Issued: 05/12/09	D842			HAP: (10) [40CFR 63 Subpart CC, #5A,6-23-2003]	H23.22
System 3 : FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT 120					S13.5, S15.2, S15.3, S15.11, S31.1, S31.3
TANK, SURGE, 120-V-1, FEED, HEIGHT: 20 FT; DIAMETER: 10 FT 6 IN A/N: 467377 Permit to Construct Issued: 06/07/07	D721				
REACTOR, UNIONFINER A, 120-V-2A, HEIGHT: 55 FT 6 IN; DIAMETER: 8 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D722				
REACTOR, UNIONFINER B, 120-V-2B, HEIGHT: 49 FT 3 IN; DIAMETER: 8 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D723				
REACTOR, UNIONFINER GUARD C, 120-V-11, HEIGHT: 65 FT; DIAMETER: 8 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D724				
VESSEL, SEPARATOR, HOT HIGH PRESSURE, 120-V-3, HEIGHT: 13 FT; DIAMETER: 5 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D725				

- * (1) Denotes RECLAIM emission factor
- (2) 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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 3 : HYDROTREATING					P13.2
TANK, SURGE, 120-V-30, WASH WATER, HEIGHT: 12 FT; DIAMETER: 8 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D726				
TANK, HOLDING, 120-V-12, WASH WATER, HEIGHT: 9 FT; DIAMETER: 4 FT 6 IN A/N: 467377 Permit to Construct Issued: 06/07/07	D727				
CARBON ADSORBER, 120-ME-3A/B, ACTIVATED CARBON, TWO IN PARALLEL (ONE SPARE), 55-GALLON CANISTER EACH A/N: 467377 Permit to Construct Issued: 06/07/07	C728	D816			D90.2, E128.1, E153.2, H23.11
FILTER, 120-ME-4, FEED A/N: 467377 Permit to Construct Issued: 06/07/07	D814				
VESSEL, SEPARATOR, COLD HIGH PRESSURE, 120-V-5, HEIGHT: 27 FT; DIAMETER: 3 FT 6 IN A/N: 467377 Permit to Construct Issued: 06/07/07	D730				
TANK, DEGASSING, 120-V-17, SOUR WATER, HEIGHT: 19 FT; DIAMETER: 5 FT 6 IN A/N: 467377 Permit to Construct Issued: 06/07/07	D731				

- * (1) Denotes RECLAIM emission factor
- (2) 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.)
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**FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: HYDROTREATING					P13.2
EJECTOR, UNIONFINER EVACUATION, 120-EJ-1 A/N: 467377 Permit to Construct Issued: 06/07/07	D732				
TANK, SURGE, 120-V-13, LOW PRESSURE FEED, HEIGHT: 14 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 467377 Permit to Construct Issued: 06/07/07	D733				
VESSEL, SEPARATOR, 120-V-4, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D734				
COLUMN, STABILIZER, 120-V-8, HEIGHT: 54 FT; DIAMETER: 5 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D735				
VESSEL, SEPARATOR, COLD LOW PRESSURE, 120-V-6, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D736				
COMPRESSOR, HYDROGEN RECYCLE, 120-C-1A A/N: 467377 Permit to Construct Issued: 06/07/07	D738				H23.22
COMPRESSOR, HYDROGEN RECYCLE, 120-C-1B A/N: 467377 Permit to Construct Issued: 06/07/07	D740				H23.22

* (1) Denotes RECLAIM emission factor
(2) 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.)
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 3: HYDROTREATING					P13.2
KNOCK OUT POT, 120-V-14, DEA CONTACTOR FEED, HEIGHT: 8 FT 6 IN; DIAMETER: 2 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D741				
VESSEL, CONTACTOR, DEA, 120-V-15, HEIGHT: 54 FT 6 IN; DIAMETER: 4 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D742				
COMPRESSOR, 120-C-2A, MAKEUP HYDROGEN/OFFGAS A/N: 467377 Permit to Construct Issued: 06/07/07	D748				H23.22
COMPRESSOR, 120-C-2B, MAKEUP HYDROGEN/OFFGAS A/N: 467377 Permit to Construct Issued: 06/07/07	D749				H23.22
TANK, HOLDING, (SUMP), 120-V-23, GRAVITY DRAIN, HEIGHT: 10 FT; DIAMETER: 5 FT A/N: 467377 Permit to Construct Issued: 06/07/07	D816	C728		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	H23.11
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 467377 Permit to Construct Issued: 06/07/07	D844			HAP: (10) [40CFR 63 Subpart CC, #5A,6-23-2003]	H23.22

* (1) Denotes RECLAIM emission factor (2) 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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 3: HYDROTREATING					P13.2
System 4: FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT 120 HEATER					
HEATER, HYDROGEN CHARGE, 120-H-1, NATURAL GAS, KTI, WITH LOW NOX BURNER, 22 MMBTU/HR WITH A/N: 325727 † Permit to Construct Issued: 04/21/94	D713		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000;RULE 1146,9-5-2008] ; CO: 0.09 LBS/HR NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 0.66 LBS/HR NATURAL GAS (4) [RULE 2005,5-6-2005] NOX: 30 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986] PM: 0.44 LBS/HR NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; PM: 21 LBS/MMSCF NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002] ; ROG: 0.15 LBS/HR NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	C8.3, D12.1, D28.3, E193.1

* (1) Denotes RECLAIM emission factor (2) 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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 3 : HYDROTREATING					P13.2
BURNER, 8 BURNERS, NATURAL GAS, CALLIDUS, MODEL LE-CSG-W, WITH LOW NOX BURNER, 22 MMBTU/HR					
Process 4 : HYDROGEN PRODUCTION					P13.2
System 2 : HYDROGEN PLANT HEATER					
HEATER, STEAM REFORMING, HP-38, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 340 MMBTU/HR WITH A/N: 360819 Permit to Construct Issued: 02/25/00 BURNER, 128 BURNERS, REFINERY/NATURAL GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CPSG-3W, WITH LOW NOX BURNER	D210		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: 0.1 GRAINS/SCP (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	B61.1, C1.8, D90.6, D328.1, H23.6
Process 9 : WASTEWATER TREATMENT					P13.2
System 1 : STORM/PROCESS UNIT WASTEWATER TREATMENT					S13.6
OIL WATER SEPARATOR, NO. 1, OIL/WATER, WITH A FIXED COVER A/N: 325732 † Permit to Construct Issued: 08/31/95	D336	C719		HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003] ; VOC: 500 PPMV (5) [RULE 1176,9-13-1996] ; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ,10-17-2000]	H23.13

- * (1) 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) 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
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 8 FT; DIAMETER: 4 IN A/N: 325732 † Permit to Construct Issued: 08/31/95	C719	D336 C519			C8.6
OIL WATER SEPARATOR, NO. 2, OIL/WATER, WITH A FIXED COVER A/N: 325732 † Permit to Construct Issued: 08/31/95	D337	C720		HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003] ; VOC: 500 PPMV (5) [RULE 1176,9-13-1996] ; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ,10-17-2000]	H23.13
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 8 FT; DIAMETER: 4 IN A/N: 325732 † Permit to Construct Issued: 08/31/95	C720	D337 C520			C8.6
SUMP, PUMP STRUCTURE, NO. 3, STORM/PROCESS WATER, CONCRETE WITH FIXED COVER AND FLAME ARRESTOR A/N: 325732 † Permit to Construct Issued: 08/31/95	D338	C521 D773		HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003] ; VOC: 500 PPMV (5) [RULE 1176,9-13-1996] ; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ,10-17-2000]	H23.13
SUMP, OIL AND WATER, FIXED COVER, WIDTH: 5 FT; DEPTH: 6 FT 7 IN; LENGTH: 10 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D339				H23.13

- * (1) Denotes RECLAIM emission factor
- (2) 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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SUMP, PROCESS WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT; DEPTH: 8 FT 6 IN; LENGTH: 15 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D340				
SUMP, STORM WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT; DEPTH: 8 FT 6 IN; LENGTH: 20 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D341				
TANK, AIR FLOATION, TK-1601, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D342	C517		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	
TANK, AIR FLOATION, TK-1602, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D344	C517		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	
RESERVOIR, STORM WATER, WITH A 21 FT. DIKE, 193000 BBL. A/N: 325732 † Permit to Construct Issued: 08/31/95	D345				
SCREEN, CLASSIFYING, STEEL BAR TYPE, DR-4201, HEIGHT: 4 FT, WIDTH: 3 FT, MANUALLY CLEANED A/N: 325732 † Permit to Construct Issued: 08/31/95	D346				

- * (1) Denotes RECLAIM emission factor
- (2) 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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9 : WASTEWATER TREATMENT					P13.2
CARBON ADSORBER, (THREE IN PARALLEL), ACTIVATED CARBON, 150 LBS A/N: 325732 † Permit to Construct issued: 08/31/95	C517	D342 D344			D90.1, E128.1, E153.2
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N: 325732 † Permit to Construct issued: 08/31/95	C519	C719			D90.3, E128.1, E153.2
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N: 325732 † Permit to Construct issued: 08/31/95	C520	C720			D90.3, E128.1, E153.2
TANK, AIR FLOATION, TK-1603, STORM WATER, FIXED ROOF. HEIGHT: 16 FT; DIAMETER: 26 FT A/N: 325732 † Permit to Construct issued: 08/31/95	D813				
SUMP, API INLET BOX, STORM/PROCESS WASTEWATER, CONCRETE, FIXED COVER, WITH VAPOR PATH COMMON TO INLET CHANNEL&PUMP STRUCTURE A/N: 325732 † Permit to Construct issued: 08/31/95	D773	D338 C521		HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003] ; VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	H23.13
SCREEN, CLASSIFYING, WIRE MESH TYPE, 1-1/2 INCH OPENINGS, HEIGHT: 4 FT; WIDTH: 3 FT, MANUALLY CLEANED A/N: 325732 † Permit to Construct issued: 08/31/95	D774				

- * (1) Denotes RECLAIM emission factor
- (2) 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

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CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 9: WASTEWATER TREATMENT					P13.2
SCREEN, CLASSIFYING, WIRE MESH TYPE, 1-1/2 INCH OPENINGS, HEIGHT: 2 FT 8 IN; WIDTH: 3 FT 4-1/2 IN, MANUALLY CLEANED A/N: 325732 † Permit to Construct Issued: 08/31/95	D775				
TANK, FIXED ROOF, TK-2529, API SLUDGE, 143 BBL; DIAMETER: 10 FT; HEIGHT: 11 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D829	C830		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN SERIES, 150 LBS A/N: 325732 † Permit to Construct Issued: 08/31/95	C830	D829		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	D90.3, E128.1, E153.2
DRAIN SYSTEM COMPONENT A/N: 325732 † Permit to Construct Issued: 08/31/95	D887			HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003]	H23.13
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325732 † Permit to Construct Issued: 08/31/95	D945				H23.1

- * (1) 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) 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
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 9 : WASTEWATER TREATMENT					P13.2
System 2 : AIR POLLUTION CONTROL SYSTEM					
CARBON ADSORBER, TWO TOTAL (ONE STANDBY), 1000 LBS EACH, MULTIPLE SOURCES, ACTIVATED CARBON, ALSO CONTROLS VAPORS FROM API INLET BOX, INLET AND OUTLET CHANNELS A/N: 325734 † Permit to Construct Issued: 06/07/95	C521	D338 D773			D90.3, D94.1, E128.1, E153.2
Process 10 : STORAGE TANKS					P13.2
System 7 : DOMED EXTERNAL FLOATING ROOF TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 2625, GAS OIL, 180000 BBL; DIAMETER: 165 FT; HEIGHT: 48 FT WITH A/N: 472048 Permit to Construct Issued: 07/29/08 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D958				B22.7, C1.28, E23.33, K67.9

* (1) Denotes RECLAIM emission factor (2) 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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**FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 10 : STORAGE TANKS					P13.2
GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
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: 458829 Permit to Construct Issued: 10/12/06 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: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]; PM: (9) [RULE 404,2-7-1986]	A63.1, B61.1, C1.21, D12.5, D28.14, D90.6, D328.1, E73.2, H23.6
SELECTIVE CATALYTIC REDUCTION, CORMETECH HONEYCOMB TYPE CATALYST, 8.1 CUBIC METER, WITH 0.5% VANADIUM PENTOXIDE A/N: 458831 Permit to Construct Issued: 10/12/06	C921	D429		NH3: 5 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	D28.14, D82.3
BOILER, NO. 11, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 352 MMBTU/HR WITH A/N: 405663 Permit to Construct Issued: 03/18/03	D430		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV REFINERY/NATURAL GAS (5) [RULE 407,4-2-1982]; PM: 0.1 GRAINS/SCF REFINERY/NATURAL GAS (5) [RULE 409,8-7-1981]	B61.1, C1.21, D12.5, D28.13, D90.6, D328.1, E73.1, H23.6

- (1) Denotes RECLAIM emission factor
- (2) 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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**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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					
BURNER, 4 BURNERS, REFINERY/NATURAL GAS, COBN COMPANY, MODEL DELTA POWER II-27, 88 MMBTU/HR EACH, WITH LOW NOX BURNER					
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: 325736 † Permit to Construct Issued: 12/11/91	D533	C538			
KNOCK OUT POT, PRODUCT VENT, HEIGHT: 4 FT; DIAMETER: 2 FT A/N: 325736 † Permit to Construct Issued: 12/11/91	D534	C538			
KNOCK OUT POT, OIL, HEIGHT: 4 FT; DIAMETER: 1 FT 6 IN A/N: 325736 † Permit to Construct Issued: 12/11/91	D535	C538			
PULSATING DAMPER A/N: 325736 † Permit to Construct Issued: 12/11/91	D536	C538			
AFTERBURNER, NATURAL GAS, WELL GAS, 3.6 MMBTU/HR A/N: 325736 † Permit to Construct Issued: 12/11/91	C538	D533 D534 D535 D536	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]	B61.1, C6.2, C8.2, D28.2, D90.6, D332.1, E193.2, H23.34, K67.1

* (1) Denotes RECLAIM emission factor
(2) 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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**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 12 : MISCELLANEOUS					
				PM: 0.1 GRAINS/SCP (5) [RULE 409,8-7-1981]	
System 8 : EMERGENCY IC ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QSL9-G2, FOUR CYCLES, SIX CYLINDER, WITH TURBOCHARGER AND AFTERCOOLER, 325 BHP WITH A/N: 457044 Permit to Construct Issued: 08/17/06	D930		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)- BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6- 2005] NOX + ROG: 4.8 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10- 1996;RULE 1303(a)(1)-BACT,12-6- 2002] ; PM: 0.15 GRAM/BHP- HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6- 2002;RULE 1470,6-1-2007] ; PM: (9) [RULE 404,2-7-1986] ; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6- 2005]	B61.3, C1.24, C1.25, E71.4, E116.1, E193.6, H23.26, H23.31, K67.6, K67.7
GENERATOR, ELECTRICAL POWER, CUMMINS, MODEL 200DSHAC, 200 KW	D931				

- * (1) 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) 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 I for NESHAP/MACT requirements

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**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 12: MISCELLANEOUS					
FILTER, DIESEL PARTICULATE FILTER, CLEANAIR SYSTEMS, INC., MODEL PERMIT CA180W4CN40, WITH A HIBACK DATA LOGGING AND ALARM SYSTEM	C932				
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL CFP9E-F40, SIX CYLINDER, WITH TURBOCHARGER AND AFTERCOOLER, 327 BHP A/N: 498235 Permit to Construct Issued: 08/19/09	D966		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002;RULE 1470,6-1-2007] ; NOX: 132 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002;RULE 1470,6-1-2007;RULE 2005,5-6-2005] PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002;RULE 1470,6-1-2007] ; PM: (9) [RULE 404,2-7-1986] SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	B61.3, C1.24, C1.25, C1.29, H23.35, I296.1, K67.10

- * (1) Denotes RECLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(SA)(SB) 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

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**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 12: MISCELLANEOUS					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL CFP9E-F40, SIX CYLINDER, WITH TURBOCHARGER AND AFTERCOOLER, 327 BHP A/N: 498236 Permit to Construct Issued: 08/19/09	D968		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002;RULE 1470,6-1-2007] ; NOX: 132 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002;RULE 1470,6-1-2007;RULE 2005,5-6-2005] PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; PM: (9) [RULE 404,2-7-1986] SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	B61.3, C1.24, C1.25, C1.29, H23.35, I296.1, K67.10

- * (1) 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) 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
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 12 : MISCELLANEOUS					
System 10 : SOIL VAPOR EXTRACTION AND CONTROL SYSTEM					
OXIDIZER, THERMAL, ENVENT CORPORATION, MODEL ESVE 1000, SERIAL NO. BF 572, NATURAL GAS, FOR NON-HALOGENATED HC IN-SITU SOIL REMEDIATION ONLY, W/ FULLY MODUL. TEMP CNTRL, 6 MMBTU/HR WITH A/N: 475763 Permit to Construct Issued: 04/30/08 VAPOR EXTRACTION WELL KNOCKOUT BOX, WATER, FOR VAPOR EXTRACTION WELLS AND DUCTS BLOWER, EXTRACTION, MAXIMUM FLOW RATE OF 1,000 SCFM, 30 HP COMPARTMENT, FOR OPTIONAL PLATINUM CATALYST ON SS, 1.6 CUBIC FEET OF ACTIVE VOLUME, TO CONVERT THE OXIDIZER FROM THERMAL TO CATALYTIC OPERATION	C925		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 32 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.4, B163.1, C1.23, C8.9, C8.10, D29.3, D90.9, D332.1, E71.3, E190.1, E202.1, E223.1, E336.3, H23.30

- * (1) Denotes RECLAIM emission factor
- (2) 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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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 14 : AIR POLLUTION CONTROL					P18.1
System 1 : EAST FLARE SYSTEM					S31.3
FLARE, ELEVATED WITH STEAM INJECTION, SA-4, WITH A JOHN ZINK FLARE TIP AND FOUR CONTINUOUS PILOT BURNERS, HEIGHT: 175 FT; DIAMETER: 3 FT A/N: 458382 Permit to Construct Issued: 06/07/07	C465	D422 D423 D424 D425 D449 D466 D753			D12.3, D323.2, E193.4, H23 29, H.1
VESSEL, WATER SEAL, V-3163, HEIGHT: 19 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 458382 Permit to Construct Issued: 06/07/07	D933				
TANK, HOLDING, V-3164, WATER SEAL OVERFLOW, LENGTH: 10 FT; DIAMETER: 4 FT 6 IN A/N: 458382 Permit to Construct Issued: 06/07/07	D937				
KNOCK OUT POT, V-2254 A/N: 458382 Permit to Construct Issued: 06/07/07	D466	C465 D938 D939			
KNOCK OUT POT, V-3052 A/N: 458382 Permit to Construct Issued: 06/07/07	D467				
KNOCK OUT POT, V-3053 A/N: 458382 Permit to Construct Issued: 06/07/07	D468				

- * (1) Denotes RECLAIM emission factor
- (2) 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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**FACILITY PERMIT TO OPERATE
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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
Process 14 : AIR POLLUTION CONTROL					P18.1
KNOCK OUT POT, P-307, HEIGHT: 17 FT; DIAMETER: 6 FT 6 IN A/N: 458382 Permit to Construct Issued: 06/07/07	D753	C465 D938 D939			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 458382 Permit to Construct Issued: 06/07/07	D876			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	H23.1
System 2 : WEST FLARE SYSTEM					S31.3
FLARE, SA-6, WITH A JOHN ZINK FLARE TIP, THREE AUTOMATIC STEAM SUPPLY CONTROLS, A VAPOR SEAL, HEIGHT: 175 FT; DIAMETER: 2 FT 6 IN A/N: 458383 Permit to Construct Issued: 06/07/07	C469	D754 D755 D756			D12.3, D323.2, E193.4, H23.29, 11.1
KNOCK OUT POT, V-2540 A/N: 458383 Permit to Construct Issued: 06/07/07	D470	C469			
KNOCK OUT POT, 120-V-22, HEIGHT: 20 FT; DIAMETER: 12 FT A/N: 458383 Permit to Construct Issued: 06/07/07	D754	C469 D938 D939			E193.3, E204.1
VESSEL, WATER SEAL, 120-V-32, HEIGHT: 18 FT; DIAMETER: 11 FT 11 IN A/N: 458383 Permit to Construct Issued: 06/07/07	D755	C469			

- * (1) Denotes RECLAIM emission factor
- (2) 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

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**FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 14: AIR POLLUTION CONTROL					P18.1
TANK, HOLDING, 120-V-34, WATER SEAL OVERFLOW, 4800 GALS; DIAMETER: 4 FT 6 IN; LENGTH: 10 FT A/N: 458383 Permit to Construct Issued: 06/07/07	D756	C469			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 458383 Permit to Construct Issued: 06/07/07	D877			HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003]	H23.1
System 3: FLARE GAS RECOVERY SYSTEM					S15.12, S15.13, S31.3
COMPRESSOR, C-3016, LIQUID RING, DUAL SEALS WITH BARRIER FLUID SYSTEM, 900 CU.FT./MIN A/N: 458384 Permit to Construct Issued: 06/07/07	D938	D422 D423 D424 D425 D449 D466 D753 D754			E73.3, H23.22
COMPRESSOR, C-3017, LIQUID RING, DUAL SEALS WITH BARRIER FLUID SYSTEM, 900 CU.FT./MIN A/N: 458384 Permit to Construct Issued: 06/07/07	D939	D422 D423 D424 D425 D449 D466 D753 D754			E73.3, H23.22
KNOCK OUT POT, V-3166, COMPRESSOR DISCHARGE, LENGTH: 18 FT; DIAMETER: 6 FT 6 IN A/N: 458384 Permit to Construct Issued: 06/07/07	D940				

- * (1) Denotes RECLAIM emission factor
 - (2) 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.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 14: AIR POLLUTION CONTROL					P18.1
KNOCK OUT POT, V-3168, SCRUBBER INLET, HEIGHT: 7 FT; DIAMETER: 2 FT A/N: 458384 Permit to Construct Issued: 06/07/07	D941				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 458384 Permit to Construct Issued: 06/07/07	D942			HAP: (10) [40CFR 63 Subpart CC, #2,6-23-2003]	H23.22

- * (1) Denotes RECLAIM emission factor
- (2) 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.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: 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
 CONOCOPHILLIPS COMPANY**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	1	1	1
D5	1	1	1
D6	1	1	1
D8	2	1	1
D9	2	1	1
D10	6	1	8
D11	2	1	1
D12	6	1	8
D16	2	1	1
D17	6	1	8
D55	6	1	8
D59	3	1	2
D64	4	1	4
D65	4	1	4
D66	4	1	4
D69	5	1	4
D70	5	1	4
D77	5	1	4
D80	7	2	1
D81	7	2	1
D82	8	2	1
D83	8	2	1
D84	8	2	1
D85	8	2	1
D95	9	2	1
D96	9	2	1
D97	9	2	1
D99	9	2	1
D103	9	2	1
D127	10	3	1
D128	10	3	1
D129	10	3	1
D130	11	3	1

**FACILITY PERMIT TO OPERATE
 CONOCOPHILLIPS COMPANY**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D131	11	3	1
D136	11	3	1
D137	11	3	1
D138	11	3	1
D139	11	3	1
D140	11	3	1
D141	12	3	1
D142	12	3	1
D143	12	3	1
D144	12	3	1
D145	12	3	1
D146	13	3	1
D148	13	3	1
D169	13	3	1
D170	13	3	1
D210	19	4	2
D336	19	9	1
D337	20	9	1
D338	20	9	1
D339	20	9	1
D340	21	9	1
D341	21	9	1
D342	21	9	1
D344	21	9	1
D345	21	9	1
D346	21	9	1
D429	25	11	1
D430	25	11	1
C465	31	14	1
D466	31	14	1
D467	31	14	1
D468	31	14	1
C469	32	14	2
D470	32	14	2
C517	22	9	1
C519	22	9	1

**FACILITY PERMIT TO OPERATE
 CONOCOPHILLIPS COMPANY**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
C520	22	9	1
C521	24	9	2
D533	26	12	6
D534	26	12	6
D535	26	12	6
D536	26	12	6
C538	26	12	6
D713	18	3	4
C719	20	9	1
C720	20	9	1
D721	14	3	3
D722	14	3	3
D723	14	3	3
D724	14	3	3
D725	14	3	3
D726	15	3	3
D727	15	3	3
C728	15	3	3
D730	15	3	3
D731	15	3	3
D732	16	3	3
D733	16	3	3
D734	16	3	3
D735	16	3	3
D736	16	3	3
D738	16	3	3
D740	16	3	3
D741	17	3	3
D742	17	3	3
D748	17	3	3
D749	17	3	3
D753	32	14	1
D754	32	14	2
D755	32	14	2
D756	33	14	2
D758	10	2	1

**FACILITY PERMIT TO OPERATE
 CONOCOPHILLIPS COMPANY**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D773	22	9	1
D774	22	9	1
D775	23	9	1
D796	8	2	1
D797	8	2	1
D798	9	2	1
D799	9	2	1
D800	13	3	1
D813	22	9	1
D814	15	3	3
D816	17	3	3
D823	7	1	8
D824	7	1	8
D829	23	9	1
C830	23	9	1
D832	3	1	1
D834	6	1	7
D835	5	1	4
D838	10	2	1
D842	14	3	1
D844	17	3	3
D876	32	14	1
D877	33	14	2
D887	23	9	1
D919	5	1	7
D920	5	1	7
C921	25	11	1
C925	30	12	10
D930	27	12	8
D931	27	12	8
C932	28	12	8
D933	31	14	1
D937	31	14	1
D938	33	14	3
D939	33	14	3
D940	33	14	3

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D941	34	14	3
D942	34	14	3
D943	10	2	1
D945	23	9	1
D953	2	1	1
D954	3	1	1
D955	3	1	1
D957	7	1	8
D958	24	10	7
D964	13	3	1
D965	13	3	1
D966	28	12	8
D968	29	12	8

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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.

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

[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]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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.

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007]

- F34.2 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]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

CONSENT DECREE CIVIL NO. H-05-0258. 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.

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 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 NO. H-05-0258, 8-11-2008]

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
SOX	40CFR60, SUBPART	J

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

[Processes subject to this condition : 7]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

P18.1 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:

Crude Distillation Unit (Process: 1, System: 1)

Vacuum Flash Unit (Process: 1, System: 4)

Delayed Coking Unit (Process: 2, System: 1)

Coker Blowdown (Process: 2, System: 3)

FCC Feed (Gas Oil) Hydrodesulfurization Unit DHT-3 (Process: 3, System: 1)

FCC Feed (Gas Oil) Hydrodesulfurization Unit 120 (Process: 3, System: 3)

Hydrogen Plant (Process: 4, System: 1)

Gas Production (Process: 5, System: 1, 2, 3, and 4)

Gas and Water Treatment (Process: 6, System: 1, 2, 3, 4, and 5)

Sulfur Recovery Unit No. 1 (Process: 7, System: 1)

Sulfur Recovery Unit No. 2 (Process: 7, System: 2)

Tail Gas (Scot) Unit 2 (Process: 7, System: 4)

Tail Gas (Scot) Unit No. 1 (Process: 7, System: 5)

Crude Oil Tank Car Unloading System (Process: 8, System: 1)

LPG Tank Car Loading and Unloading System (Process: 8, System: 3)

Sour Water Oxidizer (Process: 1, System: 3)

[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]

[Processes subject to this condition : 14]

SYSTEM CONDITIONS

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

S1.1 The operator shall limit the unloading rate to no more than 88000 barrel(s) in any one day.

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

[Systems subject to this condition : Process 8, System 1]

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 4, System 1]

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 4 , 5]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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	463
VOC	District Rule	1149

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

[Systems subject to this condition : Process 10, System 3]

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	463
VOC	District Rule	1178

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

[Systems subject to this condition : Process 10, System 2 , 5]

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	1189

[RULE 1189, 1-21-2000]

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

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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	1123

[RULE 1123, 12-7-1990]

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

S13.6 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 9, System 1, 3, 4, 5]

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

All sour gases under normal operating conditions shall be directed to the sour gas treating unit(s) located in the Vacuum Flash Unit (Process 1, System 4).

This process/system shall not be operated unless the fuel gas treating unit(s) 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, 7, 8]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

All sour gases under normal operating conditions shall be directed to the sour gas treating unit located in this system.

This process/system shall not be operated unless the sour gas treating 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 1, System 4; Process 3, System 1, 3; Process 4, System 1]

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 D2, D4, D58, D65, D60, 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]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

All sour gases under normal operating conditions shall be directed to the sour gas treating unit(s).

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 , 8; Process 2, System 1 , 3; Process 3, System 1]

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 the delayed coking unit heater(s).

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 5, System 4]

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).

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]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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]

S15.8 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 incineration system.

This process/system shall not be operated unless the incineration 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(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 4 , 5]

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]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

All sour gases during normal operation shall be directed to the sour gas treating unit located in either the Vacuum Flasher Unit (Process 1, System 4), or the Hydrodesulfurization Unit (Process 3, System 3).

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

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

S15.13 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 flare system.

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]

[Systems subject to this condition : Process 14, 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:

Crude Distillation Unit (Process: 1, System: 1)

Vacuum Flash Unit (Process: 1, System: 4)

Delayed Coking Unit (Process: 2, System: 1)

Coker Blowdown (Process: 2, System: 3)

FCC Feed (Gas Oil) Hydrodesulfurization Unit DHT-3 (Process: 3, System: 1)

[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 3]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- 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)

[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]

- 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:

Sulfur Recovery Units 1 & 2 (Process: 7, System: 1 & 2)

[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 4 , 5]

- 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:

Tail gas treating (SCOT) unit(s) (Process: 7, System: 4 & 5)

[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 3]

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

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 325725:

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator shall revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to bellow-sealed valves

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane background as measured using EPA Method 21, shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District

All components are subject to District Rule 1173 and 40CFR60, Subpart GGG

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 and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21

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 identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records

The operator shall provide to the District, no later than 60 days after initial startup, a plot plan or process instrumentation of each new valve in VOC service

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; 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; 40CFR 60 Subpart GGG, 6-2-2008]

{Systems subject to this condition : Process 3, System 3}

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

S31.2 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 409983:

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, operating temperature, operating pressure, body material, application, and reason why bellows seal valves were not used.

The operator shall provide to the District, no later than 90 days after initial startup, a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers.

All valves shall be bellow-seal valves except in the following applications: valves in heavy liquid service, control valves, instrument piping/tubing valves, valves requiring torsional stem motion, situations where valve failure could pose safety hazard (e.g., Drain valves with stems in the horizontal position), retrofit/special application valves with space limitation, and valves not commercially available. The District shall approve all exceptions to this requirement.

All 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 and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Reference Method 21.

All valves and new 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 components in VOC service, with a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background using EPA Reference Method 21, shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the (non-bellows seal) valves and flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate of less than 500 ppmv.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repairs, and reinspections, in a manner approved by the District. Records shall be kept and maintained for at least five years, and shall be made available to Executive Officer or his authorized representative upon request.

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

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

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

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

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

S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 458382, 458383, 458384, 467378, 467377 and 464152:

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, application, and reasons why bellows seal valves were not used.

The operator shall provide to the District, no longer than 90 days after initial startup, a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers.

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, 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, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in 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 and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv.

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new light liquid pumps shall utilize double seals and be connected to a closed vent system.

All compressors shall be equipped with a seal system with a higher pressure barrier fluid.

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

[Systems subject to this condition : Process 1, System 4; Process 2, System 1; Process 3, System 3; Process 14,
System 1 , 2 , 3]

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

- S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 471540:

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, application, and reasons why bellows seal valves were not used.

The operator shall provide to the District, no longer than 90 days after initial startup, a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers.

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, 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, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in 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 and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv.

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new light liquid pumps shall utilize double seals and be connected to a closed vent system.

All compressors shall be equipped with a seal system with a higher pressure barrier fluid.

[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]

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

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 487403:

All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose a safety hazard, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in 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 and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous liquid organic compounds at a rate more than 500 ppm.

All new components in VOC service, a leak greater than 500 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 7 calendar days of detection or pursuant to Rule 1173 repair period, whichever is more stringent.

The operator shall provide to the District, no later than 90 days after initial startup:

a) A recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, application, and reasons why bellows seal valves were not used; and

b) A complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers.

Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm,

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hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

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

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

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than or equal to 2200 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D429]

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

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

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 1,239 LBS IN ANY ONE YEAR
MTBE	Less than or equal to 1,560 LBS IN ANY ONE YEAR

Benzene and MTBE shall be measured at the outlet of the oxidizer according to condition D90.9.

The Benzene and MTBE concentrations, averaged over a 12-month period, shall not exceed 1.65 ppmv and 3.7 ppmv, respectively, in order to comply with this condition.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 234 LBS IN ANY ONE MONTH

The operator shall use the latest required source test results for calculating VOC based on the actual number of hours of operation in any month to show compliance to the limit. If records of hours of operation are not available, the operator shall use 24 hours and 30 days in a month.

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

[Devices subject to this condition : C925]

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

A305.1 Whenever this equipment is in operation, the steam injection 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.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D59]

B. Material/Fuel Type Limits

B22.7 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.

For the purposes of this condition, organic liquid materials that are stored at ambient temperatures with a flash point of 100 deg F or more as determined by ASTM Method D-93, shall be deemed to have a true vapor pressure of less than or equal to 0.1 psia under actual storage conditions.

The flash point of the material stored shall be determined every time there is a change of the material stored in the tank.

[RULE 1178, 4-7-2006; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D958]

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]

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

B61.3 The operator shall only use diesel fuel containing the following specified compounds:

Compound	ppm by weight
Sulfur less than or equal to	15

[RULE 1470, 6-1-2007; RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D930, D966, D968]

B163.1 The operator shall only use this equipment subject to restrictions containing the following:

An identification tag or nameplate shall be displayed on the equipment to show manufacturer model and/or serial numbers. The tag(s) or plate(s) shall be issued by the manufacturer, and shall be adhered to the equipment in a permanent and conspicuous position.

The catalyst in the oxidizer (when operating in catalytic mode) shall be maintained in good working condition. The operator shall maintain records of catalyst cleaning periods and replacement frequency.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

C. Throughput or Operating Parameter Limits

C1.8 The operator shall limit the firing rate to no more than 340 MM Btu per hour.

To comply with this condition, the operator shall monitor and record the fuel rate and the fuel high heating value. Such records shall be made available to District personnel upon request.

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

[Devices subject to this condition : D210]

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

C1.10 The operator shall limit the firing rate to no more than 350 MM Btu per hour.

To comply with this condition, the operator shall monitor and record the fuel rate and the high heating value. Such records shall be made available to the District personnel upon request.

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

[Devices subject to this condition : D59]

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

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]

C1.23 The operator shall limit the load to no more than 1,000 cubic feet per minute.

For the purpose of this condition, the load shall be defined as the total waste gas flow rate at the inlet of this oxidizer.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate at the inlet to the oxidizer.

The operator shall measure the flow rate in standard cubic feet per minute (SCFM).

If a pressure sensing device is used instead of the flow meter, a conversion chart shall be made available to indicate the flow rate (in CFM) corresponding to the pressure reading.

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

[Devices subject to this condition : C925]

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

C1.24 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

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

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D930, D966, D968]

C1.25 The operator shall limit the maintenance testing to no more than 50 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 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D930, D966, D968]

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

C1.28 The operator shall limit the throughput to no more than 1,705,000 barrel(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

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 hour.

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 %, 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 time that the ATLG went out of service.

The operator shall keep adequate records to show compliance with the limitations specified in this permit. Such records shall be maintained and kept on file for at least five years and shall be made available to the Executive Officer or his authorized representative upon request.

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

[Devices subject to this condition : D958]

C1.29 The operator shall limit the maintenance and testing to no more than 4.2 hour(s) in any one month.

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

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

[Devices subject to this condition : D966, D968]

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

- 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]

- C8.3 The operator shall use this equipment in such a manner that the oxygen concentration being monitored, as indicated below, is not less than 1 percent.

To comply with this condition, the operator shall install and maintain a(n) continuous monitoring system to accurately indicate the oxygen concentration at the the convection section or exhaust stack.

This condition shall only apply during normal operating conditions and shall not apply during startup, shutdown, or process upset.

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

[Devices subject to this condition : D713]

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

C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 2 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate being supplied to the scrubber.

The operator shall determine and record the parameter being monitored once every 24 hours.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C719, C720]

C8.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

This condition shall only apply when the oxidizer is operating in the thermal mode.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the oxidizer.

A temperature sensor, accurate to 20 degrees Fahrenheit, shall be installed and maintained at the exhaust stack of this equipment. The sensor shall be mounted at least 0.6 seconds downstream of the flame zone. A temperature indicator and a strip chart recorder or electronic data logger shall be used to display and record the above temperature whenever this equipment is in operation.

The operator shall automatically regulate the temperature by a fully modulated control system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- C8.10 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 700 Deg F.

This condition shall only apply when the oxidizer is operating in the catalytic mode.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the oxidizer.

A temperature sensor, accurate to 20 degrees Fahrenheit, shall be installed and maintained at the exhaust stack and at the inlet to the catalyst. The sensor shall be mounted at least 0.6 seconds downstream of the flame zone. A temperature indicator and a strip chart recorder or electronic data logger shall be used to display and record the above temperatures whenever this equipment is in operation.

The operator shall automatically regulate the temperature by a fully modulated control system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

D. Monitoring/Testing Requirements

- D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

[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]

[Devices subject to this condition : D713]

- D12.3 The operator shall install and maintain a(n) thermocouple to accurately indicate the presence of a flame at the pilot light.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 5-16-2007]

[Devices subject to this condition : C465, C469]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- D12.4 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the steam-to-fuel ratio applied to the burners.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D59]

- D12.5 The operator shall install and maintain a(n) 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]

- D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine the NOX emissions at the inlet and outlet.

The test shall be conducted to determine the CO emissions at the inlet and outlet.

The test shall be conducted to determine the non-methane hydrocarbon emissions at the inlet and outlet.

The test shall be conducted to determine the Benzene at the inlet and 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 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C538]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

Source test shall be conducted when this equipment is operating at no less than 80 percent of the maximum production rate.

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 CO 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 total PM 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 oxygen concentration at the outlet.

The test shall be conducted to determine the moisture content at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted at least once every three years.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to demonstrate compliance with 40CFR60, Appendix A (latest version) and methods approved by AQMD.

[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; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : D713]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D28.9 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted within 120 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine emission rate of NOX, SOX, ROG, CO, PM, and PM10, both with and without steam injection within the design operating range. The operator shall submit a test protocol to the District at least 60 days prior to the testing. The tests shall be conducted according to the approved test protocol or any subsequently approved revisions.

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 least 80 percent of the permitted maximum capacity or within a capacity range approved by the District. Report of the test and operating conditions of the equipment 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; RULE 2012, 5-6-2005]

[Devices subject to this condition : D59]

D28.13 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted within 120 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine emission rate of NOX, SOX, ROG, CO, PM, and PM10. 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.

The test shall be conducted for both operating modes with and without the use of FGR with the boiler operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District. Report of the test and operating condition of the equipment shall be submitted to the District within 60 days after the test.

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

[Devices subject to this condition : D430]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

The test shall be conducted initially to determine emission rate of NOX, SOX, ROG, CO, NH3, PM, and PM10 at the outlet of the SCR and NOX, SOX, PM, and PM10 at the inlet of the SCR. Subsequent test shall be conducted at least annually to determine emission rate of ammonia at the outlet of the SCR with the SCR in full use. Subsequent test 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 for all criteria pollutants in the initial testing for both operating modes, i.e., with SCR and FGR operating separately.

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 initial test shall be conducted within 120 days after achieving maximum production rate, but no later than 180 days after equipment is in full operation. 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]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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	District-approved averaging time	Outlet
ROG emissions	Approved District method	District-approved averaging time	Outlet

The test(s) shall be conducted at least once every three years.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D59]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
NOX emissions	District method 100.1	1 hour	Outlet of the Oxidizer

The test shall be conducted to demonstrate compliance with the NOx emissions limit of 32 PPMV.

The test(s) shall be conducted within 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

During the source test(s), the facility permit holder shall also record the operating temperatures of the oxidizer.

Notwithstanding the requirements of Section E conditions, the source test results shall be submitted to the District no later than 60 days after the source test was conducted.

When catalyst is added to the oxidizer so that it can be operated in the catalytic mode, all the above tests shall be repeated within 90 days of achieving maximum production rate, but no later than 180 days after initial start-up of the Catalytic Oxidizer.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : C925]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

NH₃ concentration in ppmv

Concentrations shall be corrected to 3 percent oxygen on a dry basis.

The CEMS shall be installed and maintained to continuously record the parameter being measured.

The CEMS shall be installed after consultation with the SCAQMD on the appropriate CEMS. The operator shall submit to the SCAQMD at least 60 days prior to the installation of the CEMS, a CEMS application proposal and a Quality Control and Performance Evaluation Plan for the operation of the CEMS. The CEMS shall be accurate to within plus or minus 20 percent relative accuracy. It shall be calibrated at least once every 12 months or as outlined in the Quality Control and Performance Evaluation Plan.

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

[Devices subject to this condition : C921]

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 day.

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA, to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

[RULE 1176, 9-13-1996; 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 : C517]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- D90.2 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

The operator shall monitor once every day.

[RULE 1176, 9-13-1996; 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 : C728]

- D90.3 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 day.

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C519, C520, C521, C830]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- 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.

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]

- D90.9 The operator shall sample and analyze the VOC concentration in ppmv hexane, and speciated for Benzene and MTBE at the inlet and outlet of the oxidizer according to the following specifications:

Grab samples shall be collected at the inlet and outlet of this equipment at least once during the first week of its operation and quarterly thereafter.

Sampling shall conform to CARB Method 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as SCAQMD 25.1/25.3 or other methods approved by the district.

Analysis shall be conducted using EPA Method 8015, EPA Method 8260, EPA Method TO-03 and EPA Method TO-15 or other method approved by the district.

The operator shall note the oxidizer operating temperature during the above tests, and include it in the report submitted to the district.

A report of findings on the grab sampling tests shall be prepared and submitted to SCAQMD, Engineering and Compliance, Attention: Bhaskar Chandan, within 45 days of the test date. The project location, AQMD application/permit number, sampling date and location, and analysis date shall be included in the test report.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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 hydrocarbon concentrations

[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]

[Devices subject to this condition : C521]

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 semiannual basis, at least, unless the equipment did not operate during the entire semiannual period. The routine 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.

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.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]

[Devices subject to this condition : C465, C469, D796, D797, D798, D799]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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]

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, C925]

E. Equipment Operation/Construction Requirements

E71.3 The operator shall not operate this equipment to treat vapors containing halogenated compounds or any carcinogenic compounds listed in AQMD Rule 1401 (as amended on March 4, 2005) other than Benzene and Methyl Tert-Butyl Ether (MTBE).

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- E71.4 The operator shall not operate this equipment for more than 50 hours per year allowed for maintenance and testing, except in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that: 1) the electrical grid operator or electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time; and 2) the engine is located in a utility service block that is subject to the rotating outage.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use FGR if all of the following requirement(s) are met:

- a) Whenever this boiler is in operation, the operator may choose not to operate the FGR for not more than a total of six days in any one month.
- b) Emissions during breakdown of the FGR shall not be excluded from RECLAIM allocation unless the breakdown is in full compliance with the Breakdown Provisions of Rule 2004.
- c) Records of the operation of the FGR shall be maintained and made available for District personnel upon request.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D430]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E73.2 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use FGR or SCR if all of the following requirement(s) are met:

- a) Whenever this boiler is in operation, the operator may choose to operate the FGR or the SCR (C921).
- b) The operator shall submit an application for re-certification of the CEMS for this boiler in accordance with Rule 2012 by April 20, 2003.
- d) Records of the operation of the FGR and the SCR shall be maintained and made available for District personnel upon request.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D429]

E73.3 Notwithstanding the requirements of Section E conditions, the operator is not required to use both of the flare gas recovery compressors concurrently if:

The load on the flare gas recovery system is not sufficient to require both compressors to be online.

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

[Devices subject to this condition : D938, D939]

E116.1 This engine shall not be used as part of a demand response program using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

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; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C517, C519, C520, C521, C728, C830]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E153.2 The operator shall change over the spent carbon with fresh activated 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 carbon canister. (The 500 ppmv refers to VOCs).

[RULE 1176, 9-13-1996; 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 : C517, C519, C520, C521, C728, C830]

E190.1 The operator shall maintain a minimum stack height of 13 feet.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

E193.1 The operator shall install this equipment according to the following specifications:

This heater shall be fired with natural gas exclusively. The term "natural gas" as defined in this permit is a mixture of gaseous hydrocarbons, with at least 80 percent methane (by volume), and of pipeline quality, such as the gas sold or distributed by any utility company regulated by the California Public Utilities Commission.

[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]

[Devices subject to this condition : D713]

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]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E193.3 The operator shall construct this equipment according to the following specifications:

During the construction of equipment listed under Process 14, System 2 in Section H of this facility permit, the operator shall comply with all mitigation measures contained in the November 1994 "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" which is part of the AQMD Final Environmental Impact Report and Addendum that were prepared for this project and certified on November 18, 1994

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D754]

E193.4 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall comply with all applicable requirements specified in Section 60.18 of the 40CFR60 Subpart A

[40CFR 60 Subpart A, 5-16-2007]

[Devices subject to this condition : C465, C469]

E193.6 The operator shall operate and maintain this equipment according to the following requirements:

The data logging and alarm system shall be programmed to interface with the engine control system to automatically shutdown the engine or switch it to power de-rating mode whenever the backpressure of the diesel particulate filter system exceeds the maximum backpressure setting specified by the filter manufacturer.

The temperature of the engine exhaust gas at the inlet to the diesel particulate filter system shall be greater than or equal to 300 degrees celsius (572 degrees fahrenheit), except during cold engine start-up, not to exceed 10 minutes.

The operator shall regenerate the diesel particulate filter after every 24 cold engine start-ups or whenever a "yellow" warning signal is received from the hiback alarm system, whichever occurs first. In order to achieve filter regeneration, the operator shall run the engine until the exhaust temperature exceeds 572 degrees fahrenheit and the backpressure monitoring system indicates a normal backpressure reading.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E202.1 The operator shall clean and maintain this equipment according to the following specifications:

Upon completion of Soil Vapor Extraction at this location, any vapor extraction well(s) and duct(s) shall be capped to prevent vapors from venting to the atmosphere. Vapors shall not be extracted from the soil, unless vented to the vapor control system. There shall be no detectable leak between the outlet of the vapor extraction blower used and the inlet to this equipment.

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

[Devices subject to this condition : C925]

E204.1 The operator shall tag the valves according to the following specifications:

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

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

[Devices subject to this condition : D754]

E223.1 The operator shall install and maintain an interlock control to stop the operation of this equipment if the operating temperature falls below the required minimum operating temperatures specified in conditions C8.9 and C8.10, when temperature exceeds manufacturer's specifications, when flameout occurs, or when the vapor blower flow rate exceeds 1,000 SCFM.

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

[Devices subject to this condition : C925]

E336.3 The operator shall vent the vent gases from this equipment as follows:

The stack will not be equipped or operated with a rain cap or other appurtenance which obstructs vertical dispersion of the exhaust air contaminants.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

H. Applicable Rules

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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, 6-1-2007]

[Devices subject to this condition : D876, D877, D945]

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]

H23.10 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 : D65]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

H23.11 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]

[Devices subject to this condition : C728, D816]

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 : D919]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

[40CFR 60 Subpart QQQ, 10-17-2000]

[Devices subject to this condition : D336, D337, D338, D339, D773, D887]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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, 6-1-2007; 40CFR 60 Subpart GGG, 6-2-2008]

[Devices subject to this condition : D738, D740, D748, D749, D832, D834, D835, D838, D842, D844, D938, D939, D942, D957]

H23.26 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

H23.29 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 : C465, C469]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

H23.30 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 alternative 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 requirements specified under this condition.

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

[Devices subject to this condition : C925]

H23.31 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1110.2
CO	District Rule	1110.2

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D930]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

H23.33 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	1149

For Rule 463 applicability, only subdivision (d) in the May 6, 2005 amendment, or equivalent requirements in the future amendments, shall apply to domed external floating roof tanks.

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

[Devices subject to this condition : D958]

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 alternative 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 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]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

H23.35 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
CO	40CFR60, SUBPART	III
CO	40CFR60, SUBPART	III
PM	40CFR60, SUBPART	III
ROG	40CFR60, SUBPART	III
HAPs	40CFR63, SUBPART	ZZZZ

[RULE 1470, 6-1-2007; 40CFR 60 Subpart III, 7-11-2006; 40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D966, D968]

I. Administrative

- II.1 The operator shall comply with all the requirements of the conditions and compliance schedule as specified in the variance dated May 8, 2007, Case No. 4900-80 in accordance with the Findings and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at least semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contain dates for achieving activities, milestones or compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.

The variance (or Order for Abatement) referenced in this condition does not affect federal or citizen enforceability of the underlying SIP approved rules for which the applicant is receiving the variance (or Order for Abatement).

[RULE 1118, 11-4-2005; RULE 3004(a)(10)(C), 12-12-1997]

[Devices subject to this condition : C465, C469]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D966, D968]

K. Record Keeping/Reporting

- 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]

FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log shall be maintained which on a monthly basis shall include manual and automatic operation and shall list all engine operations in each of the following areas:

- A. Emergency use hours of operation
- B. Maintenance and testing hours
- C. Other operating hours (describe the reason for operation)

In addition, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation. The log shall be kept for a minimum of three calendar years prior to the current year and made available to the District personnel upon request. The total hours of operation for the previous calendar year shall be recorded sometime during the first 15 days of January of each year.

[RULE 1110.2, 2-1-2008; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Diesel Particulate filter inspections, replacements and manual regenerations.

Data retrieved from the hiback logging system that includes the backpressure, exhaust gas temperature, and the date and time of the readings.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

**FACILITY PERMIT TO OPERATE
CONOCOPHILLIPS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels

True vapor pressure, in psia at actual temperature or the flash point data determined per Condition B22.7

Commodity stored

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

[Devices subject to this condition : D958]

K67.10 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, 2-1-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D966, D968]