

## **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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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: CONOCOPHILLIPS COMPANY

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1520 E SEPULVEDA BLVD  
 CARSON, CA 90745

MAILING ADDRESS: 1520 E SEPULVEDA BLVD  
 CARSON, CA 90745

RESPONSIBLE OFFICIAL: JAY CHURCHILL

TITLE: MANAGER, LOS ANGELES REFINERY

TELEPHONE NUMBER: (310) 952-6001

CONTACT PERSON: KRISTIN WISDOM

TITLE: SUPERINTENDENT OF ENV. AFFAIRS

TELEPHONE NUMBER: (310) 952-6120

TITLE V PERMIT ISSUED:

TITLE V PERMIT EXPIRATION DATE:

TITLE V	RECLAIM
YES	NOx: YES SOx: YES CYCLE: 1 ZONE: COASTAL

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup> Holding as of 06/04/08 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2005	6 /2006	Coastal	0	0	0
1/2006	12/2006	Coastal	295902	13243	0
7/2006	6 /2007	Coastal	0	0	0
1/2007	12/2007	Coastal	295902	30423	0
1/2008	12/2008	Coastal	295902	308624	9735
1/2009	12/2009	Coastal	295902	298889	19469
1/2010	12/2010	Coastal	295902	289155	29204
1/2011	12/2011	Coastal	295902	279420	38939
1/2012	12/2012	Coastal	295902	279420	38939
1/2013	12/2013	Coastal	295902	279420	38939
1/2014	12/2014	Coastal	295902	279420	38939
1/2015	12/2015	Coastal	295902	279420	38939
1/2016	12/2016	Coastal	295902	279420	38939
1/2017	12/2017	Coastal	295902	279420	38939
1/2018	12/2018	Coastal	295902	279420	38939
1/2019	12/2019	Coastal	295902	279420	38939
1/2020	12/2020	Coastal	295902	279420	38939

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

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Begin (month/year)	End				
1/2021	12/2021	Coastal	295902	279420	38939
1/2022	12/2022	Coastal	295902	279420	38939
1/2023	12/2023	Coastal	295902	279420	38939

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - TradingZone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	SO <sub>x</sub> RTC Initially Allocated	SO <sub>x</sub> RTC <sup>1</sup> Holding as of 06/04/08 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
Begin (month/year)	End				
7/2005	6 /2006	Coastal	0	0	
1/2006	12/2006	Coastal	132526	24786	
7/2006	6 /2007	Coastal	0	0	
1/2007	12/2007	Coastal	132526	118786	
7/2007	6 /2008	Coastal	0	44000	
1/2008	12/2008	Coastal	132526	477160	
1/2009	12/2009	Coastal	132526	477160	
1/2010	12/2010	Coastal	132526	477160	
1/2011	12/2011	Coastal	132526	431835	
1/2012	12/2012	Coastal	132526	431835	
1/2013	12/2013	Coastal	132526	431835	
1/2014	12/2014	Coastal	132526	431835	
1/2015	12/2015	Coastal	132526	431835	
1/2016	12/2016	Coastal	132526	431835	
1/2017	12/2017	Coastal	132526	431835	
1/2018	12/2018	Coastal	132526	431835	
1/2019	12/2019	Coastal	132526	431835	

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010 (b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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Year		Zone	SO <sub>x</sub> RTC Initially Allocated	SO <sub>x</sub> RTC <sup>1</sup> Holding as of 06/04/08 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
Begin (month/year)	End				
1/2020	12/2020	Coastal	132526	431835	
1/2021	12/2021	Coastal	132526	431835	
1/2022	12/2022	Coastal	132526	431835	
1/2023	12/2023	Coastal	132526	431835	

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010 (b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase an annual allocation to a level greater than the facility's Starting Allocation plus Non-Tradable Credits as listed below, the application will be evaluated for compliance with Rule 2005(c)(4). Rule 2005(e)-Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NO <sub>x</sub> RTC Starting Allocation (pounds)	Non-Tradable Credits(NTCs) (pounds)
Begin	End			
1/1994	12/1994	Coastal	1292790	0

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Year		Zone	SOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTCs) (pounds)
Begin	End			
1/1994	12/1994	Coastal	486168	0

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
<b>System 1 : CRUDE DISTILLATION UNIT</b>					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:	D1				
COLUMN, PRIMARY, DU-3, CRUDE OIL, HEIGHT: 112 FT; DIAMETER: 12 FT A/N:	D2				
COLUMN, FIRST SIDE CUT STRIPPER, DU-4, HEIGHT: 47 FT; DIAMETER: 5 FT A/N:	D3				
COLUMN, SECONDARY, DU-5, CRUDE OIL, HEIGHT: 174 FT 6 IN; DIAMETER: 16 FT A/N:	D4				
COLUMN, 2ND & 3RD SIDE CUT STRIPPERS, DU-6, HEIGHT: 40 FT 6 IN; DIAMETER: 5 FT A/N:	D5				
ACCUMULATOR, V-2142, PRIMARY COLUMN OVERHEAD, HEIGHT: 23 FT 10 IN; DIAMETER: 5 FT 6 IN A/N:	D6				
VESSEL, TREATER, 1ST STAGE SODA, V-2147, PRIMARY COLUMN OVERHEAD, HEIGHT: 29 FT; DIAMETER: 6 FT A/N:	D8				

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
ACCUMULATOR, V-3043, SECONDARY COLUMN OVERHEAD, HEIGHT: 30 FT; DIAMETER: 9 FT 6 IN A/N:	D9				
VESSEL, SWEETNER, V-2197, PRIMARY COLUMN TOPS, HEIGHT: 19 FT; DIAMETER: 7 FT 6 IN A/N:	D11				
VESSEL, SEPARATOR, SECONDARY COLUMN THIRD STAGE, V-3047, HEIGHT: 6 FT; DIAMETER: 4 FT A/N:	D16				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D832			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.22
<b>System 2 : CRUDE DISTILLATION UNIT HEATERS</b>					
HEATER, CRUDE OIL, NO. 255, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 350 MMBTU/HR WITH A/N:	D59		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>CO:</b> 2000 PPMV (5A) [RULE 407,4-2-1982] ; <b>CO:</b> 10.4 LBS/HR (5) [RULE 1303(b)(2)- Offset,5-10-1996;RULE 1303(b)(2)- Offset,12-6-2002]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 5.44 LBS/HR (5) [RULE 1303(b)(2)-Offset,5-10-1996;RULE 1303(b)(2)-Offset,12-6-2002]	B61.1, C1.5, D29.2, D90.6, D328.1, H23.6

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
BURNER, 36 BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSFG-16, SPECIAL STAGED FUEL BURNERS, WITH LOW NOX BURNER				<b>ROG: 1.81 LBS/HR (5A)</b> [ <b>RULE 1303(b)(2)-Offset,5-10- 1996;RULE 1303(b)(2)-Offset,12-6- 2002</b> ]	
<b>System 4 : VACUUM FLASH UNIT</b>					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:	D64				
ACCUMULATOR, V-2251, FLASHER OVERHEAD, HEIGHT: 20 FT; DIAMETER: 9 FT A/N:	D65				H23.10
KNOCK OUT POT, STEAM AIR DECOKING QUENCH, V-2253, HEIGHT: 7 FT 8 IN; DIAMETER: 4 FT A/N:	D66				
COLUMN, FLASHER, FR-1, HEIGHT: 127 FT; DIAMETER: 23 FT 6 IN A/N:	D69				

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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  
 (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
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
SCRUBBER, DEA, FR-2, VENT GAS A/N:	D70				
COMPRESSOR, FR-501, VENT GAS A/N:	D77				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D835			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.22
<b>System 5 : VACUUM FLASH UNIT HEATERS</b>					
HEATER, NO. 33, VACUUM FLASHER, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 153.6 MMBTU/HR WITH A/N: 445828  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR- 14, WITH LOW NOX BURNER, 32 TOTAL	D78		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]	B61.1, D28.16, D90.6, D232.1, H23.6
HEATER, NO. 34, VACUUM FLASHER, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 153.6 MMBTU/HR WITH A/N: 445829  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR- 14, WITH LOW NOX BURNER, 32 TOTAL	D79		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]	B61.1, D28.16, D90.6, D232.1, H23.6

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
<b>System 8 : CRUDE UNIT FEED DESALTER</b>					S13.5, S15.1, S15.3, S15.4, S15.11
VESSEL, DESALTER, V-2171, CRUDE OIL, LENGTH: 49 FT; DIAMETER: 12 FT A/N:	D10				
VESSEL, DESALTER, V-2342, CRUDE OIL, LENGTH: 49 FT; DIAMETER: 12 FT A/N:	D12				
VESSEL, DESALTER, V-3048, CRUDE OIL, LENGTH: 55 FT; DIAMETER: 12 FT A/N:	D17				
VESSEL, SEPARATOR, V-2419, BRINE/OIL A/N:	D55				
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
<b>System 1 : DELAYED COKING UNIT</b>					S13.5, S15.4, S31.3
FRACTIONATOR, MAIN, CK-1, HEIGHT: 149 FT; DIAMETER: 15 FT 6 IN A/N:	D80				
COLUMN, STRIPPER, CK-2, EXTRA HEAVY GAS OIL, HEIGHT: 25 FT 6 IN; DIAMETER: 3 FT A/N:	D81				

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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  
 (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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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
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
COLUMN, STRIPPER, CK-3, HEAVY GAS OIL, HEIGHT: 43 FT; DIAMETER: 5 FT A/N:	D82				
COLUMN, STRIPPER, CK-4, LIGHT GAS OIL, HEIGHT: 43 FT; DIAMETER: 4 FT 6 IN A/N:	D83				
ACCUMULATOR, V-2247, MAIN FRACTIONATOR OVERHEAD, HEIGHT: 20 FT; DIAMETER: 12 FT A/N:	D84				
ACCUMULATOR, V-2248, MAIN FRACTIONATOR OVERHEAD, HEIGHT: 20 FT; DIAMETER: 9 FT A/N:	D85				
DRUM, COKE, V-2236, HEIGHT: 75 FT; DIAMETER: 26 FT A/N:	D796			PM: (9) [RULE 405,2-7-1986]	D323.2
DRUM, COKE, V-2237, HEIGHT: 75 FT; DIAMETER: 26 FT A/N:	D797			PM: (9) [RULE 405,2-7-1986]	D323.2
DRUM, COKE, V-2238, HEIGHT: 75 FT; DIAMETER: 26 FT A/N:	D798			PM: (9) [RULE 405,2-7-1986]	D323.2
DRUM, COKE, V-2239, HEIGHT: 75 FT; DIAMETER: 26 FT A/N:	D799			PM: (9) [RULE 405,2-7-1986]	D323.2

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
ABSORBER, RECTIFIED, CK-5, HEIGHT: 159 FT 6 IN; DIAMETER: 7 FT A/N:	D95				
COLUMN, SPONGE, CK-6, HEIGHT: 42 FT 6 IN; DIAMETER: 3 FT 6 IN A/N:	D96				
COLUMN, DEBUTANIZER, CK-7, HEIGHT: 127 FT 4 IN; DIAMETER: 8 FT A/N:	D97				
SETTLING TANK, V-2245, DEBUTANIZER OVERHEAD, LENGTH: 7 FT; DIAMETER: 5 FT A/N:	D99				
COMPRESSOR, CK-501, WET GAS A/N:	D103				
KNOCK OUT POT, V-3122, HEIGHT: 8 FT 4 IN; DIAMETER: 3 FT A/N:	D758				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D838			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.1
<b>System 2 : DELAYED COKING UNIT HEATERS</b>					
HEATER, NO. 31, DELAYED COKING, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, WITH STEAM INJECTION, WITH LOW NOX BURNER, 175 MMBTU/HR WITH A/N: 445831	D104		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]	B61.1, C1.13, D28.16, D82.1, D90.6, D232.1, H23.27

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements  
 \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
BURNER, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 5.47 MMBTU/HR EACH, WITH LOW NOX BURNER, 32 TOTAL					
HEATER, NO. 32, DELAYED COKING, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, WITH STEAM INJECTION, WITH LOW NOX BURNER, 175 MMBTU/HR WITH A/N: 445832  BURNER, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 5.47 MMBTU/HR EACH, WITH LOW NOX BURNER, 32 TOTAL	D105		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]	A26.1, B61.1, C1.13, D28.16, D82.1, D90.6, D232.1, H23.27
<b>System 3 : COKER BLOWDOWN</b>					S13.5, S15.3, S15.4, S15.11
VESSEL, QUENCH, QU-1, HEIGHT: 70 FT; DIAMETER: 13 FT 6 IN A/N: 325625	D106				
SETTLING TANK, V-2259, HEIGHT: 19 FT; DIAMETER: 14 FT 6 IN A/N: 325625	D107				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325625	D841			HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.1

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
<b>System 4 : COKE HANDLING UNIT #1</b>					S13.1
PIT, ONE COMPARTMENT, SLURRY, NOMINAL CAPACITY 200 TONS, COKE A/N: 407450	D952			PM10: (9) [RULE 405,2-7-1986]	A63.2
MIXER, 5K-2339, COKE FINES, HEIGHT: 6 FT; DIAMETER: 4 FT A/N: 407450	D108			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, CH-452, COKE FINES A/N: 407450	D109			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-16, COARSE COKE, SHUTTLE-TYPE A/N: 407450	D110			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-17, COKE FINES, ENCLOSED IN A 9-FT STEEL TUBE A/N: 407450	D111			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, SHUTTLE, 9T-18, COKE FINES A/N: 407450	D112			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
STORAGE SILO, COKE, NOMINAL CAPACITY: 72,000 TONS, WIDTH: 154 FT; HEIGHT: 175 FT; LENGTH: 600 FT A/N: 407450	D113			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E136.1, E137.1
PIT, TWO COMPARTMENT, SLURRY, NOMINAL CAPACITY: 2,800 TONS, COKE A/N: 407450	D114			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
CONVEYOR, 9T-15, COARSE COKE, ENCLOSED IN A 9-FT STEEL TUBE A/N: 407450	D115			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
<b>System 5 : COKE HANDLING UNIT #2</b>					S13.1
FEEDER, PLOW, PFA-1, , COARSE COKE A/N: 472818	D116			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
FEEDER, PLOW, PFA-2, COKE FINES A/N: 472818	D117			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-19, RECLAIM COKE, ENCLOSED A/N: 472818	D118			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-20, COKE, ENCLOSED IN A 9-FT STEEL TUBE A/N: 472818	D119			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-21, COKE, ENCLOSED IN A 9-FT STEEL TUBE A/N: 472818	D120			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
HOPPER, SURGE, TK-1631, COKE A/N: 472818	D123			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1
BIN, WEIGH, WB-1, WITH WEIGH SCALES A/N: 472818	D124			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1, E125.1
BIN, WEIGH, WB-2, WITH WEIGH SCALES A/N: 472818	D125			PM: (9) [RULE 405,2-7-1986]	A63.2, D323.1, E124.1, E125.1

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
TRUCK WASHING STATION, TOP AND SIDES FIXED SPRAY TYPE A/N: 472818	D126			PM: (9) [RULE 405,2-7-1986]	A63.2, A103.1, D323.1, E125.1
<b>Process 3 : HYDROTREATING</b>					P13.2
<b>System 1 : FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT DHT-3</b>					S13.5, S15.2, S15.3, S15.4, S15.11
COLUMN, PRODUCT STRIPPER, DH-280, HEIGHT: 60 FT; DIAMETER: 6 FT 6 IN A/N: 325634	D127				
ABSORBER, DEA, HP-275, HEIGHT: 80 FT; DIAMETER: 5 FT 7 IN A/N: 325634	D128				
ABSORBER, DEA, HP-276, HEIGHT: 25 FT; DIAMETER: 2 FT A/N: 325634	D129				
TANK, SURGE, V-1084, WASH WATER, HEIGHT: 12 FT; DIAMETER: 5 FT 6 IN A/N: 325634	D130				
TANK, SURGE, V-2522, RECYCLE GAS, HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 325634	D131				
TANK, SURGE, V-2555, HEIGHT: 30 FT; DIAMETER: 10 FT A/N: 325634	D136				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : HYDROTREATING</b>					P13.2
REACTOR, NO.1, V-2556, HEIGHT: 14 FT; DIAMETER: 10 FT A/N: 325634	D137				
REACTOR, NO. 2, V-2557, HEIGHT: 14 FT; DIAMETER: 10 FT A/N: 325634	D138				
REACTOR, NO. 3, V-2558, HEIGHT: 24 FT; DIAMETER: 10 FT A/N: 325634	D139				
REACTOR, NO. 4, V-2559, HEIGHT: 34 FT; DIAMETER: 10 FT A/N: 325634	D140				
REACTOR, NO. 5, V-2560, HEIGHT: 44 FT; DIAMETER: 10 FT A/N: 325634	D141				
VESSEL, SEPARATOR, HIGH PRESSURE AND HIGH TEMPERATURE, V-2561, HEIGHT: 30 FT; DIAMETER: 9 FT A/N: 325634	D142				
VESSEL, SEPARATOR, LOW PRESSURE AND HIGH TEMPERATURE, V-2562, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 325634	D143				
VESSEL, SEPARATOR, HIGH PRESSURE AND HIGH TEMPERATURE, V-2563, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 325634	D144				

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : HYDROTREATING</b>					P13.2
VESSEL, SEPARATOR, LOW PRESSURE AND HIGH TEMPERATURE, V-2564, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 325634	D145				
ACCUMULATOR, V-2565, STRIPPER OVERHEAD, HEIGHT: 30 FT; DIAMETER: 6 FT A/N: 325634	D146				
KNOCK OUT POT, DECOKING, V-2569, HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 325634	D148				
COMPRESSOR, HP-559, STRIPPER VENT GAS A/N: 325634	D169				
COMPRESSOR, HP-560, STRIPPER VENT GAS A/N: 325634	D170				
COMPRESSOR, HP-558, RECYCLE GAS A/N: 325634	D800				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325634	D842			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.22

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
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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  
 (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 CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : HYDROTREATING</b>					P13.2
<b>System 2 : FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT DHT-3 HEATER</b>					
HEATER, DH-40 (DHT-3), FEED, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 70 MMBTU/HR WITH A/N: 325643  BURNER, 5 BURNERS, REFINERY/NATURAL GAS, COEN, MODEL SR6-030-FD-6, MODEL SR6-050-FD-6, WITH LOW NOX BURNER	D174		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]	B61.1, D90.6, D328.1, H23.6
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
<b>System 1 : HYDROGEN PLANT</b>					S2.1, S13.4, S13.5, S15.2, S15.3, S15.11
ABSORBER, CARBON DIOXIDE, HP-270, HEIGHT: 179 FT 3 IN; DIAMETER: 5 FT 6 IN A/N: 379205	D175			CO: 2000 PPMV (5) [RULE 407,4-2-1982]	H23.28
COLUMN, CARBON DIOXIDE STRIPPER, HP-271, HEIGHT: 108 FT 6 IN; DIAMETER: 10 FT A/N: 379205	D176			HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.28
COLUMN, DEA TREATMENT, HP-273, HEIGHT: 92 FT 6 IN; DIAMETER: 4 FT A/N: 379205	D177				

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
TANK, HOLDING, TK-1625, SELEXOL, 715 BBL; DIAMETER: 15 FT; HEIGHT: 24 FT A/N: 379205	D178				
SUMP, S-23, ATMOSPHERIC BLOWDOWN, ENCLOSED, WIDTH: 6 FT; DEPTH: 8 FT; LENGTH: 6 FT A/N: 379205	D179				H23.28
SUMP, S-28, DEA, ENCLOSED, WIDTH: 6 FT; DEPTH: 6 FT; LENGTH: 6 FT A/N: 379205	D180			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
KNOCK OUT POT, V-2500, FEED GAS, HEIGHT: 6 FT; DIAMETER: 3 FT 6 IN A/N: 379205	D181				
VESSEL, SULFUR CONVERTER, V-2503, HEIGHT: 10 FT 9 IN; DIAMETER: 7 FT 6 IN A/N: 379205	D801				
VESSEL, SEPARATOR, V-2501, FEED GAS OIL, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 379205	D182				
VESSEL, SEPARATOR, V-2502, FEED GAS OIL, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 379205	D183				
REACTOR, ZNO GUARD BED, V-2504, HEIGHT: 12 FT; DIAMETER: 8 FT A/N: 379205	D184				

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
REACTOR, ZNO GUARD BED, V-2505, HEIGHT: 12 FT; DIAMETER: 8 FT A/N: 379205	D185				
KNOCK OUT POT, LOW TEMPERATURE SEPARATOR, V-2511, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 379205	D186				
KNOCK OUT POT, LOW TEMPERATURE SEPARATOR, V-2512, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 379205	D187			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
KNOCK OUT POT, TWO STAGE EFFLUENT, V-2513, HEIGHT: 24 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 379205	D188			<b>CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.28
KNOCK OUT POT, V-2519, PRODUCT HYDROGEN, HEIGHT: 6 FT; DIAMETER: 6 FT A/N: 379205	D190				
KNOCK OUT POT, V-2520, FEED GAS, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 379205	D191				
KNOCK OUT POT, V-2521, COKER FEED GAS A/N: 379205	D192				
KNOCK OUT POT, ATMOSPHERIC, V-2529, CONDENSATE, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 379205	D193				

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
TANK, LOW PRESSURE FLASH, V-3062, HEIGHT: 28 FT; DIAMETER: 7 FT A/N: 379205	D194			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.28
SUMP, SELEXOL DRAIN, ENCLOSED, WIDTH: 6 FT; DEPTH: 6 FT; LENGTH: 6 FT A/N: 379205	D201			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	
VESSEL, LOW TEMPERATURE SHIFT CONVERTER, V-2509, HEIGHT: 12 FT 6 IN; DIAMETER: 10 FT 6 IN A/N: 379205	D202			<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982]	H23.28
TANK, FLASH, V-2517, SELEXOL, LENGTH: 28 FT; DIAMETER: 7 FT A/N: 379205	D802				
VESSEL, METHANATOR, V-2518, HEIGHT: 21 FT; DIAMETER: 4 FT 6 IN A/N: 379205	D203				
COMPRESSOR, SINGLE STAGE, HP-555, FEED GAS A/N: 379205	D206				
COMPRESSOR, SINGLE STAGE, HP-556, FEED GAS, (STANDBY) A/N: 379205	D207				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 379205	D846				H23.1
VESSEL, DEARATOR, V-2515, HEIGHT: 4 FT 6 IN; DIAMETER: 6 FT A/N: 379205	D896			<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982]	H23.28

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
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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  
 (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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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
<b>System 2 : HYDROGEN PLANT HEATER</b>					
HEATER, STEAM REFORMING, HP-38, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 340 MMBTU/HR WITH  A/N:  BURNER, 128 BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PLNFC-30, WITH LOW NOX BURNER	D210		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, D90.6, D328.1, H23.6
<b>Process 5 : GAS PRODUCTION</b>					P13.2
<b>System 1 : DEBUTANIZER UNIT</b>					S13.5
COLUMN, DEBUTANIZER, DU-2, HEIGHT: 81 FT; DIAMETER: 6 FT 6 IN A/N: 325659	D803				
ACCUMULATOR, V-2139, DEBUTANIZER OVERHEAD, HEIGHT: 23 FT; DIAMETER: 5 FT A/N: 325659	D211				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325659	D848			HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5 : GAS PRODUCTION</b>					P13.2
<b>System 2 : GAS PLANT</b>					S13.5, S15.3, S15.11
DRUM, V-2297, FUEL GAS BLEND, HEIGHT: 18 FT 8 IN; DIAMETER: 10 FT A/N: 325662	D216				
KNOCK OUT POT, V-2128, GAS, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 325662	D217				
VESSEL, VAPORIZER, V-2108, PROPANE, LENGTH: 74 FT 7 IN; DIAMETER: 10 FT 9 IN A/N: 325662	D219				
VESSEL, VAPORIZER, V-2445, PROPANE, LENGTH: 74 FT 7 IN; DIAMETER: 10 FT 9 IN A/N: 325662	D220				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325662	D849				H23.1
<b>System 3 : LPG DISTILLATION UNIT</b>					S13.5, S15.3, S15.11
COLUMN, DEPROPANIZER, D301, (TOP SECTION: 4 FT 6 IN DIAMETER), HEIGHT: 95 FT; DIAMETER: 6 FT A/N: 325665	D471				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325665	D472			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.22

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5 : GAS PRODUCTION</b>					P13.2
ACCUMULATOR, F301, DEPROPANIZER REFLUX, LENGTH: 18 FT; DIAMETER: 5 FT 6 IN A/N: 325665	D477				
VESSEL, MATERIAL DROPOUT, F306, COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 1800 GALS; DIAMETER: 5 FT; LENGTH: 10 FT A/N: 392202	D479	C484		<b>VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]</b>	
KNOCK OUT POT, F307, HEIGHT: 17 FT; DIAMETER: 6 FT 6 IN A/N: 325665	D480				
CARBON ADSORBER, ME301A & B (TWO IN PARALLEL AND ONE OF WHICH AS SPARE), COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 225 LBS A/N: 392202	C484	D479			D90.11, E128.1, E153.1
<b>System 4 : COKER LPG MEROX UNIT</b>					S13.5, S15.3, S15.5, S15.11
VESSEL, EXTRACTOR, D-101, COKER C3/C4, HEIGHT: 53 FT; DIAMETER: 4 FT 6 IN A/N: 392202	D486				
COLUMN, OXIDIZER, D-102, HEIGHT: 26 FT; DIAMETER: 4 FT A/N: 392202	D487				

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5 : GAS PRODUCTION</b>					P13.2
VESSEL, SURGE, F-101, COKER C3/C4, HEIGHT: 15 FT; DIAMETER: 6 FT 6 IN A/N: 392202	D489				
VESSEL, PREWASH, F-102, COKER C3/C4, HEIGHT: 20 FT; DIAMETER: 5 FT 6 IN A/N: 392202	D490				
KNOCK OUT POT, F-103, COKER C3/C4 CAUSTIC, LENGTH: 18 FT; DIAMETER: 4 FT 6 IN A/N: 392202	D491				
FILTER, COKER C3/C4 SAND, F-104, HEIGHT: 14 FT 6 IN; DIAMETER: 5 FT A/N: 392202	D492				
VESSEL, SEPARATOR, F-105, DISULFIDE, LENGTH: 23 FT; DIAMETER: 7 FT A/N: 392202	D493			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
VESSEL, F-106, NAPHTHA WASH, HEIGHT: 13 FT 8 IN; DIAMETER: 4 FT A/N: 392202	D494				
VESSEL, MATERIAL DROPOUT, F306, COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 1800 GALS; DIAMETER: 5 FT; LENGTH: 10 FT A/N: 392202	D479	C484		<b>VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]</b>	

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5 : GAS PRODUCTION</b>					P13.2
CARBON ADSORBER, ME301A & B (TWO IN PARALLEL AND ONE OF WHICH AS SPARE), COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 225 LBS A/N: 392202	C484	D479			D90.11, E128.1, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 392202	D851				H23.22
<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
<b>System 1 : SOUR WATER STRIPPING UNIT</b>					S13.5, S15.3, S15.6, S15.11
COLUMN, STRIPPER, QU-2, SOUR WATER, HEIGHT: 46 FT; DIAMETER: 4 FT A/N: 348537	D221			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
COLUMN, STRIPPER, QU-261, SOUR WATER, HEIGHT: 101 FT; DIAMETER: 5 FT 6 IN A/N: 348537	D222			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982] ; VOC: 500 PPMV (8) [40CFR 61 Subpart FF,12-4-2003]</b>	H23.12
COLUMN, STRIPPER, QU-262, SOUR WATER, HEIGHT: 101 FT; DIAMETER: 5 FT 6 IN A/N: 348537	D223			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982] ; VOC: 500 PPMV (8) [40CFR 61 Subpart FF,12-4-2003]</b>	H23.12
ACCUMULATOR, V-2410, STRIPPER COLUMN OVERHEAD, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 348537	D224				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
ACCUMULATOR, V-2411, STRIPPER COLUMN OVERHEAD, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 348537	D225				
ACCUMULATOR, V-2444, STRIPPER COLUMN OVERHEAD, HEIGHT: 10 FT; DIAMETER: 5 FT A/N: 348537	D227				
TANK, FLASH, NO. 2423, SOUR WATER/ORGANIC LIQUID, 63 BBL; DIAMETER: 3 FT; HEIGHT: 50 FT A/N: 348537	D364				
TANK, FLASH, NO. 2424, SOUR WATER/ORGANIC LIQUID, 63 BBL; DIAMETER: 3 FT; HEIGHT: 50 FT A/N: 348537	D421				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 348537	D852				H23.1
<b>System 2 : PILOT AND PURGE GAS TREATING UNIT</b>					S13.5, S15.3, S15.11
KNOCK OUT POT, V-3061, PILOT AND PURGE GAS, HEIGHT: 5 FT; DIAMETER: 1 FT A/N: 325675	D229				
SCRUBBER, V-3072, PILOT AND PURGE GAS, HEIGHT: 22 FT; DIAMETER: 1 FT 6 IN A/N: 325675	D230				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
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 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
DRYER, V-3073, PILOT AND PURGE GAS, HEIGHT: 9 FT; DIAMETER: 3 FT 6 IN A/N: 325675	D231				
DRYER, V-3074, PILOT AND PURGE GAS, HEIGHT: 9 FT; DIAMETER: 3 FT 6 IN A/N: 325675	D232				
VESSEL, SEPARATOR, SF-205, PILOT AND PURGE GAS, HEIGHT: 7 FT 3 IN; DIAMETER: 10.75 IN A/N: 325675	D233				
FILTER, DUST, SF-206, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT 0.75 IN A/N: 325675	D234				
<b>System 3 : SOUR GAS TREATING UNIT</b>					S13.5, S15.3, S15.11, S18.1
KNOCK OUT POT, V-2231, SOUR GAS CONDENSATE, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 325677	D235				
TANK, WASH, V-2233, C3-C4 FEED WATER, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 325677	D236				
ABSORBER, LIQUID CONTACTOR, V-2234, DEA/C3-C4, (PACKED TOWER), HEIGHT: 60 FT; DIAMETER: 4 FT 6 IN A/N: 325677	D237				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
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 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
VESSEL, COALESCER, V-2235, TREATED C3-C4, HEIGHT: 6 FT; DIAMETER: 3 FT 6 IN A/N: 325677	D238				
TOWER, FLASH, V-2257, RICH DEA A/N: 325677	D239			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
ABSORBER, DEA, CK-8 A/N: 325677	D240				
SUMP, DEA BLOWDOWN, FULLY COVERED, WIDTH: 6 FT; DEPTH: 10 FT; LENGTH: 10 FT A/N: 325677	D241			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325677	D854			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.1
<b>System 4 : AMINE REGENERATION UNIT NO. 1</b>					S15.3, S15.11
TANK, SURGE, TK-1676, LEAN DEA, (COMMON TO SRU NO. 2), 3020 BBL; DIAMETER: 30 FT; HEIGHT: 24 FT A/N: 392206	D244			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, HOLDING, TK-1770, PRECOAT FILTER BACKWASH WATER, 81 BBL; DIAMETER: 9 FT 6 IN; HEIGHT: 6 FT 6 IN A/N: 392206	D245				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
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 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
TANK, HOLDING, TK-2504, PRECOAT MIX, 500 GALS; DIAMETER: 5 FT; HEIGHT: 4 FT A/N: 392206	D246				
SUMP, UNDERGROUND, S-56, DEA, WIDTH: 4 FT 10 IN; DEPTH: 5 FT 2 IN; LENGTH: 4 FT 3 IN A/N: 392206	D248				
VESSEL, DEA FLASH AND SKIMMER, V-2570, LENGTH: 24 FT; DIAMETER: 13 FT A/N: 392206	D249				
ACCUMULATOR, V-2571, DEA STRIPPER OVERHEAD, HEIGHT: 11 FT; DIAMETER: 8 FT A/N: 392206	D250				
KNOCK OUT POT, V-2581, SOUR WATER, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 392206	D251				
FILTER, PRECOAT, V-3018, COMMON TO DEA REGENERATION UNITS 1 & 2 A/N: 392206	D254				
FILTER, PREFILTER, V-3134, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, LENGTH: 3 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 392206	D780				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
FILTER, CARBON, V-3135, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, WITH A BASKET STRAINER (6 IN DIA. X 18 IN LENGTH), HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 392206	D781				
COLUMN, STRIPPER, DA-282, DEA, HEIGHT: 90 FT; DIAMETER: 8 FT A/N: 392206	D804				
<b>System 5 : AMINE REGENERATION UNIT NO. 2</b>					S15.3, S15.6, S15.11
COLUMN, DEA STRIPPER, DA-283, HEIGHT: 90 FT; DIAMETER: 8 FT A/N: 392197	D276				
SUMP, UNDERGROUND, S-62, DEA, WIDTH: 4 FT 10 IN; DEPTH: 5 FT 2 IN; LENGTH: 4 FT 3 IN A/N: 392197	D278				
VESSEL, DEA FLASH AND SKIMMER, V-2572, LENGTH: 24 FT; DIAMETER: 13 FT A/N: 392197	D279				
ACCUMULATOR, V-2573, DEA STRIPPER OVERHEAD, HEIGHT: 11 FT; DIAMETER: 8 FT A/N: 392197	D280				

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 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : GAS AND WATER TREATMENT</b>					P13.2
KNOCK OUT POT, V-2591, SOUR WATER, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 392197	D281				
TANK, HOLDING, TK-1770, PRECOAT FILTER BACKWASH WATER, 81 BBL; DIAMETER: 9 FT 6 IN; HEIGHT: 6 FT 6 IN A/N: 392206	D245				
TANK, HOLDING, TK-2504, PRECOAT MIX, 500 GALS; DIAMETER: 5 FT; HEIGHT: 4 FT A/N: 392206	D246				
FILTER, PRECOAT, V-3018, COMMON TO DEA REGENERATION UNITS 1 & 2 A/N: 392206	D254				
FILTER, PREFILTER, V-3134, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, LENGTH: 3 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 392206	D780				
FILTER, CARBON, V-3135, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, WITH A BASKET STRAINER (6 IN DIA. X 18 IN LENGTH), HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 392206	D781				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
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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
<b>Process 7 : SULFUR PRODUCTION</b>					P13.1, P13.2
<b>System 1 : SULFUR RECOVERY UNIT NO. 1</b>					S15.3, S15.7, S15.11, S18.2
REACTOR, THERMAL, CL-44, REFINERY GAS, H2S GAS A/N: 392206	D242				H23.12
BURNER, CL-45, AUXILIARY NO. 1, H2S FIRED A/N: 392206	D805				
BURNER, AUXILIARY NO. 2, CL-46, H2S FIRED A/N: 392206	D806				
BURNER, AUXILIARY NO. 3, CL-47, H2S FIRED A/N: 392206	D807				
ABRASIVE BLASTING, ACCUMULATOR, UNDERGROUND, S-49, SULFUR, NITROGEN BLANKETS, WIDTH: 20 FT; DEPTH: 13 FT; LENGTH: 35 FT A/N: 392206	D247	C252		<b>H2S: 10 PPMV (5) [RULE 468,10-8-1976] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
SCRUBBER, V-2587, SULFUR PIT VAPOR, HEIGHT: 9 FT; DIAMETER: 4 FT A/N: 392206	C252	D247			E336.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 392206	D855			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.1
CONDENSER, CL-538, NO. 1 A/N: 392206	D888				

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFUR PRODUCTION</b>					P13.1, P13.2
CONDENSER, CL-539, NO. 2 A/N: 392206	D889				
CONDENSER, CL-540, NO. 3 A/N: 392206	D890				
CONDENSER, CL-541, NO. 4 A/N: 392206	D891			<b>H2S: 10 PPMV (5) [RULE 468,10-8-1976] ; HAP: (10) [40CFR 63 Subpart UUU, #4,2-9-2005] ; SOX: 250 PPMV (8) [40CFR 60 Subpart J,10-4-1991]</b>  <b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
<b>System 2 : SULFUR RECOVERY UNIT NO. 2</b>					S15.3, S15.7, S15.11, S18.2
REACTOR, THERMAL, CU-49, REFINERY GAS, H2S GAS A/N: 392197	D275				H23.12
BURNER, CU-50, AUXILIARY NO. 1, H2S FIRED A/N: 392197	D808				
PIT, ACCUMULATOR, UNDERGROUND, S-60, SULFUR, NITROGEN BLANKETED, WIDTH: 20 FT; DEPTH: 13 FT; LENGTH: 35 FT A/N: 392197	D277	C282		<b>H2S: 10 PPMV (5) [RULE 468,10-8-1976] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
BURNER, CU-51, AUXILIARY NO. 2, H2S FIRED A/N: 392197	D809				

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 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
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<b>Process 7 : SULFUR PRODUCTION</b>					P13.1, P13.2
BURNER, CU-52, AUXILIARY NO. 3, H2S FIRED A/N: 392197	D810				
SCRUBBER, V-2610, SULFUR PIT VAPOR, HEIGHT: 9 FT; DIAMETER: 4 FT A/N: 392197	C282	D277			E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 392197	D856			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.1
CONDENSER, CU 555, NO. 1 A/N: 392197	D892				
CONDENSER, CU 556, NO. 2 A/N: 392197	D893				
CONDENSER, CU 557, NO. 3 A/N: 392197	D894				
CONDENSER, CU 558, NO. 4 A/N: 392197	D895			<b>H2S:</b> 10 PPMV (5) [RULE 468,10-8-1976] ; <b>HAP:</b> (10) [40CFR 63 Subpart UUU, #4,2-9- 2005] ; <b>SOX:</b> 250 PPMV (8) [40CFR 60 Subpart J,10-4-1991]  <b>SOX:</b> 500 PPMV (5) [RULE 407,4-2-1982]	

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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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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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<b>Process 7 : SULFUR PRODUCTION</b>					P13.1, P13.2
BURNER, PROCESS GAS, REFINERY/NATURAL GAS, J. T. THORPE, MODEL WCS-GF-SP-1242-36.0-0.75-- 40					
STACK A/N: 338490	S295	C294			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 338490	D858				H23.1
<b>System 4 : TAIL GAS (SCOT) UNIT NO. 2, REDUCTION CONTROL</b>					S13.5, S15.3, S15.8, S15.11, S18.3
COLUMN, QUENCH, C-3758, HEIGHT: 34 FT; DIAMETER: 10 FT A/N: 325686	D499				
ABSORBER, C-3759, HEIGHT: 55 FT 6 IN; DIAMETER: 10 FT A/N: 325686	D500				
COLUMN, STRIPPER, C-3760, HEIGHT: 86 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 325686	D501				
ACCUMULATOR, STRIPPER COLUMN, V-3120, HEIGHT: 12 FT; DIAMETER: 3 FT A/N: 325686	D502				
REACTOR, V-3121, HEIGHT: 21 FT 6 IN; DIAMETER: 11 FT A/N: 325686	D503				

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFUR PRODUCTION</b>					P13.1, P13.2
SUMP, SE-4316, SOLVENT DRIPS (MDEA), WIDTH: 5 FT; DEPTH: 8 FT 9 IN; LENGTH: 3 FT 3 IN A/N: 325686	D811				
TANK, HOLDING, TK-1677, MDEA, 571 BBL; DIAMETER: 15 FT; HEIGHT: 18 FT A/N: 392205	D264				
<b>System 5 : TAIL GAS (SCOT) UNIT NO. 1, REDUCTION CONTROL</b>					S13.5, S15.3, S15.8, S15.11, S18.3
COLUMN, QUENCH, SU-285, HEIGHT: 34 FT; DIAMETER: 10 FT A/N: 392205	D261				
ABSORBER, SU-286, HEIGHT: 55 FT 6 IN; DIAMETER: 10 FT A/N: 392205	D262				
COLUMN, STRIPPER, SU-287, HEIGHT: 86 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 392205	D263				
TANK, HOLDING, TK-1677, MDEA, 571 BBL; DIAMETER: 15 FT; HEIGHT: 18 FT A/N: 392205	D264				
SUMP, UNDERGROUND, S-55, MDEA, WIDTH: 5 FT 2 IN; DEPTH: 6 FT 2 IN; LENGTH: 3 FT 11 IN A/N: 392205	D265				

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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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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFUR PRODUCTION</b>					P13.1, P13.2
REACTOR, SCOT, V-2598, HEIGHT: 21 FT 6 IN; DIAMETER: 10 FT 1 IN A/N: 392205	D267				
ACCUMULATOR, V-2599, MDEA STRIPPER OVERHEAD, HEIGHT: 12 FT; DIAMETER: 3 FT A/N: 392205	D268				
<b>Process 8 : LOADING AND UNLOADING</b>					P13.2
<b>System 1 : CRUDE OIL TANK CAR UNLOADING SYSTEM</b>					S1.1, S15.3, S15.11
UNLOADING ARM, TANK CAR, CRUDE OIL, 6 TOTAL; DIAMETER: 8 IN A/N: 325689	D296				
TANK, SURGE, NO. 2502, CRUDE OIL, 1500 BBL; DIAMETER: 20 FT; HEIGHT: 28 FT A/N: 325689	D362			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.15, K67.3
KNOCK OUT POT, HEIGHT: 8 FT; DIAMETER: 3 FT A/N: 325689	D307				
BLOWER, KB-9008, SURGE TANK VENT GAS, 2-HP A/N: 325689	D828				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325689	D861				H23.1

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8 : LOADING AND UNLOADING</b>					P13.2
<b>System 3 : LPG TANK CAR LOADING AND UNLOADING</b>					S15.3, S15.11
LOADING AND UNLOADING ARM, TANK CAR, SWING-TYPE, LPG, WITH A DOUBLE 3-IN FLEXIBLE HOSE AND A 1-IN FLEXIBLE HOSE TYPE VAPOR VENT, 4 TOTAL A/N: 325693	D324				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325693	D862				H23.1
<b>System 4 : SULFUR TANK CAR AND TANK TRUCK LOADING</b>					
LOADING ARM, TANK TRUCK, TOP, SULFUR, 5 TOTAL A/N: 325714	D330	C335		SOX: 500 PPMV (5) [RULE 407,4-2-1982]	
<b>System 5 : VAPOR RECOVERY SYSTEM</b>					
SCRUBBER, CHEMICAL, V-2604, HEIGHT: 9 FT; DIAMETER: 4 FT WITH A/N: 430800  BLOWER, RA-745, 550 CFM	C335	D330 D359 D360			C8.1, C8.7

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
<b>System 1 : STORM/PROCESS UNIT WASTEWATER TREATMENT</b>					S13.6
OIL WATER SEPARATOR, NO. 1, WASTEWATER, API-TYPE COLLECTION MECHANISM, WIDTH: 16 FT; DEPTH: 6 FT; LENGTH: 85 FT 4 IN A/N:	D336			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	
OIL WATER SEPARATOR, NO. 2, WASTEWATER, API-TYPE COLLECTOR MECHANISM, WIDTH: 16 FT; DEPTH: 6 FT; LENGTH: 85 FT 4 IN A/N:	D337			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	
OIL WATER SEPARATOR, NO. 3, WASTEWATER, API-TYPE COLLECTOR MECHANISM, WIDTH: 16 FT; DEPTH: 6 FT; LENGTH: 85 FT 4 IN A/N:	D338			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	
SUMP, OIL AND WATER, FIXED COVER, WIDTH: 5 FT; DEPTH: 6 FT 7 IN; LENGTH: 10 FT A/N:	D339				
SUMP, PROCESS WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT; DEPTH: 8 FT 6 IN; LENGTH: 15 FT A/N:	D340				
SUMP, STORM WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT; DEPTH: 8 FT 6 IN; LENGTH: 20 FT A/N:	D341				

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
TANK, AIR FLOATATION, TK-1601, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N:	D342				
TANK, AIR FLOATATION, TK-1602, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N:	D344				
SUMP, RES-5, STORM WATER, CONCRETE WITH A SKIMMER A/N:	D345				
SCREEN, CLASSIFYING, DR-4201, MECHANICAL TYPE A/N:	D346				
TANK, AIR FLOATATION, TK-1603, STORM WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N:	D813				
DRAIN SYSTEM COMPONENT A/N:	D887			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D945				H23.1

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 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
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 (7) Denotes NSR applicability limit  
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<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
<b>System 3 : OIL AND WATER SEPARATION #1</b>					S13.6
OIL WATER SEPARATOR, FIXED ROOF, CPI TYPE, SB-5, SERVING THE COKER AND FLASHER UNITS A/N: 455029	D347	C524		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	
CARBON ADSORBER, EQUIVALENT (OR GREATER) VOLUME TO A 55 GALLON CANISTER A/N: 455029	C523	C524			D90.10, E128.1, E153.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 6 FT; DIAMETER: 4 IN A/N: 455029	C524	D347 C523			C8.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 455029	D944				H23.1
DRAIN SYSTEM COMPONENT A/N: 455029	D949			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.13
<b>System 4 : OIL AND WATER SEPARATION #2</b>					S13.6
OIL WATER SEPARATOR, FIXED ROOF, CPI-TYPE, SB-6, SERVING CRUDE UNIT A/N: 453496	D348	C526		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
CARBON ADSORBER, EQUIVALENT (OR GREATER) VOLUME TO A 55 GALLON CANISTER A/N: 453496	C525	C526			D90.10, E128.1, E153.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 6 FT; DIAMETER: 4 IN A/N: 453496	C526	D348 C525			C8.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 453496	D868				H23.1
DRAIN SYSTEM COMPONENT A/N: 453496	D950			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.13
<b>System 5 : OIL AND WATER SEPARATION #3</b>					S13.6
OIL WATER SEPARATOR, FIXED ROOF, CPI-TYPE, SB-41, SERVING SULFUR PLANT, HYDRODESULFURIZATION UNIT DHT-3 & HYDROGEN PLANT A/N: 453493	D349	C528		<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	H23.13
CARBON ADSORBER, EQUIVALENT (OR GREATER) VOLUME TO A 55 GALLON CANISTER A/N: 453493	C527	C528			D90.10, E128.1, E153.2

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<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 6 FT; DIAMETER: 4 IN A/N: 453493	C528	D349 C527			C8.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 453493	D869				H23.1
DRAIN SYSTEM COMPONENT A/N: 453493	D951			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.13
<b>Process 10 : STORAGE TANKS</b>					P13.2
<b>System 1 : FIXED ROOF TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 16, 79022 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 6 IN A/N: 325724	D352				B22.1, H23.2, K67.3
STORAGE TANK, FIXED ROOF, NO. 17, FUEL OIL, 79113 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 6 IN A/N: 325877	D353				C1.3, H23.2
STORAGE TANK, FIXED ROOF, NO. 18, HEAVY FLASH DISTILLATE, 79135 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 5 IN A/N: 325726	D354				C1.4

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 (4) Denotes BACT emission limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, FIXED ROOF, HEATED, NO. 1678, SULFUR, INSULATED, 16450 BBL; DIAMETER: 70 FT; HEIGHT: 24 FT A/N: 325733	D359	C335		<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
STORAGE TANK, FIXED ROOF, HEATED, NO. 1679, SULFUR, INSULATED, 16450 BBL; DIAMETER: 70 FT; HEIGHT: 24 FT A/N: 325735	D360	C335		<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
STORAGE TANK, FIXED ROOF, TK 2507, DIESEL STABILITY ADDITIVE DISTILLATE, 11700 GALS; DIAMETER: 10 FT; HEIGHT: 19 FT 11 IN A/N: 325737	D363				K67.3
STORAGE TANK, FIXED ROOF, NO. 2230, AMMONIUM POLYSULFIDE, 20000 GALS; DIAMETER: 15 FT; HEIGHT: 18 FT A/N: 325622	D86				E134.1
STORAGE TANK, FIXED ROOF, NO. 2191, SPENT CAUSTIC SODA, 2100 BBL; DIAMETER: 25 FT; HEIGHT: 23 FT 11 IN A/N: 325741	D752				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325741	D870			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.1

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
<b>System 2 : EXTERNAL FLOATING ROOF TANKS</b>					S13.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1, WITH A STEAM HEATING COIL AND JET MIXER, 78000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 10 IN WITH A/N: 325742  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D365			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2, WITH A STEAM HEATING COIL, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 325743  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D366			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.3, K67.3

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 3, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 43 FT WITH A/N: 325744  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D367				H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 5, WITH A STEAM HEATING COIL AND JET MIXER, 78000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 10 IN WITH A/N: 325745  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D369			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.3, K67.3

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 6, HEAVY GAS OIL, WITH STEAM HEATING COILS AND A MIXER, 78778 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 4 IN WITH A/N: 325746  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D370			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 9, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN WITH A/N: 325748  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D373			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.3, K67.3

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 10, 85000 BBL; DIAMETER: 117 FT; HEIGHT: 45 FT WITH A/N: 325749  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D374				H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 12, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 325751  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D376			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.3, K67.3

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 13, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 325752  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D377				H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 21, 82700 BBL; DIAMETER: 117 FT; HEIGHT: 43 FT WITH A/N: 325756  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D379				K67.3

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 42, SOUR/OILY/FLASH WATER, 41000 BBL; DIAMETER: 95 FT 7 IN; HEIGHT: 32 FT 10.625 IN WITH A/N: 349333  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D380				H23.12, H23.17, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 44, 35000 BBL; DIAMETER: 95 FT 6 IN; HEIGHT: 27 FT WITH A/N: 413149  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D381				B22.6, C1.22, H23.17, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 45, WELDED, 37000 BBL; DIAMETER: 78 FT 10 IN; HEIGHT: 42 FT 8 IN WITH A/N: 403157  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D382			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.13, H23.23, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 47, 35000 BBL; DIAMETER: 90 FT; HEIGHT: 32 FT WITH A/N: 325633  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D384				H23.3, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 280, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 325638  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D389			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	B22.3, C1.7, H23.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R-510, 320000 BBL; DIAMETER: 218 FT; HEIGHT: 50 FT WITH A/N: 407453  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D394			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	C1.17, H23.4

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R-511, WELDED, 320000 BBL; DIAMETER: 218 FT; HEIGHT: 50 FT WITH A/N: 393536  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D395			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.17, H23.4
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R-512, WELDED, 320000 BBL; DIAMETER: 218 FT; HEIGHT: 50 FT WITH A/N: 393096  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D396			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.1, H23.4

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 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R513, 320000 BBL; DIAMETER: 218 FT 6 IN; HEIGHT: 50 FT WITH A/N: 325649  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D397			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	C1.1, H23.4
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1628, 15000 BBL; DIAMETER: 48 FT; HEIGHT: 51 FT WITH A/N: 325651  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D398			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	C1.18, H23.24

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1629, WELDED, 15000 BBL; DIAMETER: 48 FT; HEIGHT: 51 FT WITH A/N: 392762  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D399			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.18, H23.24
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1646, 170000 BBL; DIAMETER: 160 FT; HEIGHT: 51 FT WITH A/N: 325660  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D400			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.16, H23.16

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1647, WASTEWATER, 215000 BBL; DIAMETER: 180 FT; HEIGHT: 51 FT WITH A/N: 325661  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, WIPER TYPE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D401			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.12, E193.5, H23.13, H23.17
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1648, 170000 BBL; DIAMETER: 160 FT; HEIGHT: 51 FT WITH A/N: 398198  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE, RIM-MOUNTED	D402			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	B22.5, C1.15, H23.16

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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  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2159, 2941 BBL; DIAMETER: 30 FT; HEIGHT: 23 FT 11 IN WITH A/N: 325666  FLOATING ROOF, DOUBLE DECK, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D403				K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2155, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT WITH A/N: 325668  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D404			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2270, SOUR/OILY/FLASH WATER, WITH A MIXER, 38000 BBL; DIAMETER: 75 FT; HEIGHT: 48 FT WITH A/N: 348539	D407				H23.12, H23.17, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2272, 16000 BBL; DIAMETER: 48 FT; HEIGHT: 48 FT WITH A/N: 325676  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D408			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.12, H23.13, H23.17, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2274, WELDED, 255000 BBL; DIAMETER: 195 FT; HEIGHT: 48 FT WITH A/N: 396890	D409				K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2275, WITH 2 JET MIXERS, 170000 BBL; DIAMETER: 160 FT; HEIGHT: 48 FT WITH A/N: 325683  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D410			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2282, 8300 BBL; DIAMETER: 45 FT; HEIGHT: 30 FT 8 IN WITH A/N: 325685	D411				H23.12, H23.13, H23.17, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2283, WITH HEATING COILS, 6720 BBL; DIAMETER: 40 FT; HEIGHT: 30 FT WITH A/N: 423656  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D412				H23.12, H23.13, H23.17, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2284, 1400 BBL; DIAMETER: 25 FT; HEIGHT: 15 FT WITH A/N: 325690  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D413				H23.17, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2285, 8373 BBL; DIAMETER: 45 FT; HEIGHT: 30 FT WITH A/N: 325692  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D414				H23.13, H23.23, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2286, WELDED, 9900 BBL; DIAMETER: 45 FT; HEIGHT: 35 FT WITH A/N: 395159  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D415				H23.13, H23.23, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. TK-2287, 35000 BBL; DIAMETER: 81 FT; HEIGHT: 40 FT WITH A/N: 325695  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D416				K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2288, 11300 BBL; DIAMETER: 45 FT; HEIGHT: 40 FT WITH A/N: 325696  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D417			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	B22.2, C1.2, H23.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2289, 11300 BBL; DIAMETER: 45 FT; HEIGHT: 40 FT WITH A/N: 325697  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D418			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	B22.2, C1.2, H23.3

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
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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  
 (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2341, HEIGHT: 48 FT; DIAMETER: 160 FT WITH A/N: 325699  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D419				K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2500, WITH A JET MIXER, 55000 BBL; DIAMETER: 90 FT; HEIGHT: 45 FT WITH A/N: 325698  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D420			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.14, H23.16

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325698	D871			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.1
<b>System 3 : PRESSURIZED TANKS</b>					S13.2
STORAGE TANK, PRESSURIZED, NO. 2170, 7000 BBL; DIAMETER: 42 FT 3 IN A/N: 325700	D422	C465 C469 D938 D939			
STORAGE TANK, PRESSURIZED, NO. 2127, 7000 BBL; DIAMETER: 42 FT A/N: 325701	D423	C465 C469 D938 D939			
STORAGE TANK, PRESSURIZED, NO. 2222, 8500 BBL; DIAMETER: 45 FT 4 IN A/N: 325702	D424	C465 C469 D938 D939			
STORAGE TANK, PRESSURIZED, NO. 2223, 8500 BBL; DIAMETER: 45 FT 4 IN A/N: 325703	D425	C465 C469 D938 D939			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325703	D872			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.1
<b>System 4 : TEMPORARY TANKS</b>					
STORAGE TANK, FIXED ROOF, API SLUDGE, 500 BBL; WIDTH: 7 FT 6 IN; HEIGHT: 12 FT; LENGTH: 35 FT A/N: 325704	D426	C427		<b>VOC:</b> 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	C1.9, H23.5

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL, 200 LBS A/N: 325704	C427	D426			D90.5, E128.1, E153.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325704	D873			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.1
<b>System 5 : INTERNAL FLOATING ROOF TANKS</b>					S13.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 7, 80000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 42 FT WITH A/N: 325747  FLOATING ROOF, PAN, RIVETED SHELL  PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), WIPER TYPE	D372				C1.20, C6.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 274, RIVETED, 80373 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT WITH A/N: 393102  FLOATING ROOF, PAN	D388			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	C6.1, K67.3

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : STORAGE TANKS</b>					P13.2
PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 393102	D947				H23.1
<b>System 6 : PRESSURIZED STORAGE TANK, INORGANIC</b>					
STORAGE TANK, PRESSURIZED, NO. V-3147, ANHYDROUS AMMONIA, SET AT 265 PSIG, SERVES SCOT UNITS 1&2, WITH PRV VENT TO ATMOSPHERE, 500 GALS; DIAMETER: 3 FT 5 IN; LENGTH: 5 FT 9 IN A/N: 337469	D915				E71.1
STORAGE TANK, PRESSURIZED, NO. V-3154, AQUEOUS AMMONIA, 19%, WITH TWO PRV/RUPTURE DISKS VENT TO ATMOSPHERE, WITH NITROGEN BLANKET, SUBMERGED FILLING, 11420 GALS; DIAMETER: 9 FT; LENGTH: 21 FT A/N: 426497	D917				E71.2, E144.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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<b>Process 10 : STORAGE TANKS</b>					P13.2
<b>System 7 : DOMED EXTERNAL FLOATING ROOF TANKS</b>					S13.7
STORAGE TANK, WELDED SHELL, DOMED EXTERNAL FLOATING ROOF, NO. 15, MIXED NAPHTHA, 79000 BBL; DIAMETER: 117 FT; HEIGHT: 40 FT WITH A/N: 460933  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D378			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	C1.26, I30.1, K67.5
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 460933	D948				H23.1

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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<b>Process 11 : STEAM GENERATION</b>					
<b>System 1 : BOILERS</b>					
BOILER, NO. 10, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 352 MMBTU/HR WITH A/N:  BURNER, 4 BURNERS, REFINERY/NATURAL GAS, B & W, MODEL PFI 28-16, WITH LOW NOX BURNER	D429		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]	D328.1
<b>Process 12 : MISCELLANEOUS</b>					
<b>System 1 : SLUDGE HANDLING</b>					
TANK, GRAVITY SETTLING, TK-2518, SLUDGE, WITH INTERNAL RAKES, HEIGHT: 12 FT; DIAMETER: 35 FT A/N: 325707	D431	C435		HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]	
TANK, DAF, TK-2520, WITH FLOAT COLLECTOR, 230 BBL; DIAMETER: 9 FT; HEIGHT: 20 FT A/N: 325707	D432	C434		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	
TANK, FIXED ROOF, TK-2519, SPARE, 230 BBL; DIAMETER: 9 FT; HEIGHT: 20 FT A/N: 325707	D433	C435		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	

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

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12 : MISCELLANEOUS</b>					
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN PARALLEL, 150 LBS A/N: 325707	C434	D432			D90.1, E128.1, E153.2, H116.1
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN PARALLEL, 150 LBS A/N: 325707	C435	D431 D433			D90.1, E128.1, E153.2, H116.1
<b>System 4 : MAINTENANCE DROP-OUT</b>					
VESSEL, MAINTENANCE DROP-OUT, V-2420, LENGTH: 20 FT; DIAMETER: 10 FT A/N: 325710	D448			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
KNOCK OUT POT, V-2421, LENGTH: 7 FT 8 IN; DIAMETER: 4 FT A/N: 325710	D449	C465 C469 D938 D939			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325710	D875				H23.1
<b>System 7 : FUEL STORAGE AND DISPENSING</b>					
STORAGE TANK, ABOVEGROUND, GASOLINE, CONVAULT TYPE, 2000 GALS; WIDTH: 8 FT; HEIGHT: 5 FT 6 IN; LENGTH: 11 FT 3 IN A/N: 325712	D759				C1.19, J109.1

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12 : MISCELLANEOUS</b>					
FUEL DISPENSING NOZZLE, GASOLINE, WITH A TANK TOP MOUNTED DISPENSER AND A PHASE II VAPOR RECOVERY SYSTEM A/N: 325712	D760				D330.1, J110.1
STORAGE TANK, ABOVEGROUND, DIESEL FUEL, CONVAULT TYPE, 1000 GALS; WIDTH: 5 FT 8 IN; HEIGHT: 4 FT 4 IN; LENGTH: 11 FT A/N: 325712	D761				C1.6
FUEL DISPENSING NOZZLE, DIESEL, WITH A TANK TOP MOUNTED DISPENSER A/N: 325712	D762				
<b>System 8 : EMERGENCY IC ENGINES</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL NO. 3208, 235 BHP A/N: 325713	D785		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] ; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	B61.2, B61.3, C1.11, C1.27, D12.2, H23.26, H23.31, K67.2
<b>System 9 : NON-EMERGENCY IC ENGINE</b>					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CR-8, CRANE MOTOR, DIESEL FUEL, DETROIT, MODEL DDC 6V-71N, 252 BHP A/N: 327224	D791		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 544 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] ; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	B61.2, D29.1, H23.32, K67.8

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12 : MISCELLANEOUS</b>					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, PW-69, WELDING MOTOR, DIESEL FUEL, PERKINS, MODEL PERKINS US236, 57 BHP A/N: 342285	D826		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>NOX:</b> 344 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	B61.2, D29.1, H23.32, K67.8
<b>Process 14 : AIR POLLUTION CONTROL</b>					P18.1
<b>System 1 : EAST FLARE SYSTEM</b>					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:	C465	D422 D423 D424 D425 D449 D466 D753			D12.3, D323.2, E193.4, H23.29, I1.1
KNOCK OUT POT, V-2254 A/N:	D466	C465			
KNOCK OUT POT, V-3052 A/N:	D467				
KNOCK OUT POT, V-3053 A/N:	D468				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D876			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements  
 \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14 : AIR POLLUTION CONTROL</b>					P18.1
<b>System 2 : WEST FLARE SYSTEM</b>					S31.3
FLARE, SA-6, WITH A JOHN ZINK FLARE TIP, THREE AUTOMATIC STEAM SUPPLY CONTROLS, HEIGHT: 175 FT; DIAMETER: 2 FT 6 IN A/N:	C469	D422 D423 D424 D425 D449 D470			D12.3, D323.2, E193.4, H23.29, I1.1
KNOCK OUT POT, V-2540 A/N:	D470	C469			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D877			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.1
<b>Process 15 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E879				H23.7
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E880				H23.7
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E881				H23.8
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E882				H23.20

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 15 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E884			VOC: (9) [RULE 1107,11-9-2001;RULE 1107,1-6-2006;RULE 1171,11-7-2003;RULE 1171,2-4-2008]	H23.19
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E885			VOC: (9) [RULE 1113,11-8-1996;RULE 1113,7-4-3-2007;RULE 1171,11-7-2003;RULE 1171,2-4-2008]	K67.4
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E886				H23.9
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT	E913			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,2-4-2008]	H23.21

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR 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.

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**SECTION D: DEVICE ID INDEX**

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D 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	1	1	1
D9	2	1	1
D10	5	1	8
D11	2	1	1
D12	5	1	8
D16	2	1	1
D17	5	1	8
D55	5	1	8
D59	2	1	2
D64	3	1	4
D65	3	1	4
D66	3	1	4
D69	3	1	4
D70	4	1	4
D77	4	1	4
D78	4	1	5
D79	4	1	5
D80	5	2	1
D81	5	2	1
D82	6	2	1
D83	6	2	1
D84	6	2	1
D85	6	2	1
D86	42	10	1
D95	7	2	1
D96	7	2	1
D97	7	2	1
D99	7	2	1
D103	7	2	1
D104	7	2	2

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D105	8	2	2
D106	8	2	3
D107	8	2	3
D108	9	2	4
D109	9	2	4
D110	9	2	4
D111	9	2	4
D112	9	2	4
D113	9	2	4
D114	9	2	4
D115	10	2	4
D116	10	2	5
D117	10	2	5
D118	10	2	5
D119	10	2	5
D120	10	2	5
D123	10	2	5
D124	10	2	5
D125	10	2	5
D126	11	2	5
D127	11	3	1
D128	11	3	1
D129	11	3	1
D130	11	3	1
D131	11	3	1
D136	11	3	1
D137	12	3	1
D138	12	3	1
D139	12	3	1
D140	12	3	1
D141	12	3	1
D142	12	3	1
D143	12	3	1
D144	12	3	1
D145	13	3	1
D146	13	3	1

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D148	13	3	1
D169	13	3	1
D170	13	3	1
D174	14	3	2
D175	14	4	1
D176	14	4	1
D177	14	4	1
D178	15	4	1
D179	15	4	1
D180	15	4	1
D181	15	4	1
D182	15	4	1
D183	15	4	1
D184	15	4	1
D185	16	4	1
D186	16	4	1
D187	16	4	1
D188	16	4	1
D190	16	4	1
D191	16	4	1
D192	16	4	1
D193	16	4	1
D194	17	4	1
D201	17	4	1
D202	17	4	1
D203	17	4	1
D206	17	4	1
D207	17	4	1
D210	18	4	2
D211	18	5	1
D216	19	5	2
D217	19	5	2
D219	19	5	2
D220	19	5	2
D221	22	6	1
D222	22	6	1

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D223	22	6	1
D224	22	6	1
D225	23	6	1
D227	23	6	1
D229	23	6	2
D230	23	6	2
D231	24	6	2
D232	24	6	2
D233	24	6	2
D234	24	6	2
D235	24	6	3
D236	24	6	3
D237	24	6	3
D238	25	6	3
D239	25	6	3
D240	25	6	3
D241	25	6	3
D242	29	7	1
D244	25	6	4
D245	25	6	4
D245	28	6	5
D246	26	6	4
D246	28	6	5
D247	29	7	1
D248	26	6	4
D249	26	6	4
D250	26	6	4
D251	26	6	4
C252	29	7	1
D254	26	6	4
D254	28	6	5
D261	34	7	5
D262	34	7	5
D263	34	7	5
D264	34	7	4
D264	34	7	5

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D265	34	7	5
D267	35	7	5
D268	35	7	5
D275	30	7	2
D276	27	6	5
D277	30	7	2
D278	27	6	5
D279	27	6	5
D280	27	6	5
D281	28	6	5
C282	31	7	2
C292	32	7	3
S293	32	7	3
C294	32	7	3
S295	33	7	3
D296	35	8	1
D307	35	8	1
D324	36	8	3
D330	36	8	4
C335	36	8	5
D336	37	9	1
D337	37	9	1
D338	37	9	1
D339	37	9	1
D340	37	9	1
D341	37	9	1
D342	38	9	1
D344	38	9	1
D345	38	9	1
D346	38	9	1
D347	39	9	3
D348	39	9	4
D349	40	9	5
D352	41	10	1
D353	41	10	1
D354	41	10	1

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D359	42	10	1
D360	42	10	1
D362	35	8	1
D363	42	10	1
D364	23	6	1
D365	43	10	2
D366	43	10	2
D367	44	10	2
D369	44	10	2
D370	45	10	2
D372	64	10	5
D373	45	10	2
D374	46	10	2
D376	46	10	2
D377	47	10	2
D378	66	10	7
D379	47	10	2
D380	48	10	2
D381	48	10	2
D382	49	10	2
D384	49	10	2
D388	64	10	5
D389	50	10	2
D394	50	10	2
D395	51	10	2
D396	51	10	2
D397	52	10	2
D398	52	10	2
D399	53	10	2
D400	53	10	2
D401	54	10	2
D402	54	10	2
D403	55	10	2
D404	55	10	2
D407	55	10	2
D408	56	10	2

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D409	56	10	2
D410	57	10	2
D411	57	10	2
D412	58	10	2
D413	59	10	2
D414	59	10	2
D415	60	10	2
D416	60	10	2
D417	61	10	2
D418	61	10	2
D419	62	10	2
D420	62	10	2
D421	23	6	1
D422	63	10	3
D423	63	10	3
D424	63	10	3
D425	63	10	3
D426	63	10	4
C427	64	10	4
D429	67	11	1
D431	67	12	1
D432	67	12	1
D433	67	12	1
C434	68	12	1
C435	68	12	1
D448	68	12	4
D449	68	12	4
C465	70	14	1
D466	70	14	1
D467	70	14	1
D468	70	14	1
C469	71	14	2
D470	71	14	2
D471	19	5	3
D472	19	5	3
D477	20	5	3

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D479	20	5	3
D479	21	5	4
D480	20	5	3
C484	20	5	3
C484	22	5	4
D486	20	5	4
D487	20	5	4
D489	21	5	4
D490	21	5	4
D491	21	5	4
D492	21	5	4
D493	21	5	4
D494	21	5	4
D499	33	7	4
D500	33	7	4
D501	33	7	4
D502	33	7	4
D503	33	7	4
C523	39	9	3
C524	39	9	3
C525	40	9	4
C526	40	9	4
C527	40	9	5
C528	41	9	5
D752	42	10	1
D758	7	2	1
D759	68	12	7
D760	69	12	7
D761	69	12	7
D762	69	12	7
D780	26	6	4
D780	28	6	5
D781	27	6	4
D781	28	6	5
D785	69	12	8
D791	69	12	9

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D796	6	2	1
D797	6	2	1
D798	6	2	1
D799	6	2	1
D800	13	3	1
D801	15	4	1
D802	17	4	1
D803	18	5	1
D804	27	6	4
D805	29	7	1
D806	29	7	1
D807	29	7	1
D808	30	7	2
D809	30	7	2
D810	31	7	2
D811	34	7	4
D813	38	9	1
D826	70	12	9
D828	35	8	1
D832	2	1	1
D835	4	1	4
D838	7	2	1
D841	8	2	3
D842	13	3	1
D846	17	4	1
D848	18	5	1
D849	19	5	2
D851	22	5	4
D852	23	6	1
D854	25	6	3
D855	29	7	1
D856	31	7	2
D857	32	7	3
D858	33	7	3
D861	35	8	1
D862	36	8	3

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D868	40	9	4
D869	41	9	5
D870	42	10	1
D871	63	10	2
D872	63	10	3
D873	64	10	4

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D875	68	12	4
D876	70	14	1
D877	71	14	2
E879	71	15	0
E880	71	15	0
E881	71	15	0
E882	71	15	0
E884	72	15	0
E885	72	15	0
E886	72	15	0
D887	38	9	1
D888	29	7	1
D889	30	7	1
D890	30	7	1
D891	30	7	1
D892	31	7	2
D893	31	7	2
D894	31	7	2
D895	31	7	2
D896	17	4	1
E913	72	15	0
D915	65	10	6
D917	65	10	6
D944	39	9	3
D945	38	9	1
D947	65	10	5
D948	66	10	7

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D949	39	9	3
D950	40	9	4
D951	41	9	5
D952	9	2	4

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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

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]

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

### PROCESS CONDITIONS

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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, 10-4-1991]**

[Processes subject to this condition : 7]

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

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

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

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- 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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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]**

[Systems subject to this condition : Process 2, System 4 , 5]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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 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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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

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

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

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

[Systems subject to this condition : Process 10, System 7]

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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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.

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

S15.4 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]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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]

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]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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.

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

S15.12 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]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- 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, 6-7-1985]**

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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- 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.

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

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

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

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

- 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.

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

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]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

- 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.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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]

### DEVICE CONDITIONS

#### A. Emission Limits

A26.1 The operator shall comply with the following condition number(s) within 180 days from the EPA's determination on an alternative monitoring plan (AMP).

Condition Number D 232- 1

[**40CFR 60 Subpart J, 10-4-1991**; **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D105]

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 : D210]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D108, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D123, D124, D125, D126, D952]

A103.1 The operator shall keep materials in all outgoing petroleum coke trucks sufficiently moist to prevent fugitive dust emissions.

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D126]

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

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

**[RULE 1301, 12-7-1995]**

[Devices subject to this condition : D352]

B22.2 The operator shall not use this equipment with materials having a(n) true vapor pressure of 6 psia or greater under actual operating conditions.

**[RULE 1301, 12-7-1995]**

[Devices subject to this condition : D417, D418]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- B22.3 The operator shall not use this equipment with materials having a(n) true vapor pressure of 4 psia or greater under actual operating conditions.

**[RULE 1301, 12-7-1995]**

[Devices subject to this condition : D389]

- B22.5 The operator shall not use this equipment with materials having a(n) Reid vapor pressure of 7.4 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D402]

- B22.6 The operator shall not use this equipment with materials having a(n) true vapor pressure of 3.0 psia or greater under actual operating conditions.

**[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 : D381]

- 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, 10-4-1991]**

[Devices subject to this condition : D59, D78, D79, D104, D105, D174, D210]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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

Compound	weight percent
Sulfur less than	0.05

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

[Devices subject to this condition : D785, D791, D826]

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 : D785]

### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the number of turnovers to no more than 57 in any one year.

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

[Devices subject to this condition : D396, D397]

C1.2 The operator shall limit the number of turnovers to no more than 97 in any one year.

[**RULE 1301, 12-7-1995**]

[Devices subject to this condition : D417, D418]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

C1.3 The operator shall limit the number of turnovers to no more than 90 in any one year.

**[RULE 1301(b)(1), 12-7-1995]**

[Devices subject to this condition : D353, D370]

C1.4 The operator shall limit the number of turnovers to no more than 40 in any one year.

**[RULE 1301, 12-7-1995]**

[Devices subject to this condition : D354]

C1.5 The operator shall limit the firing rate to no more than 350 MM Btu per hour.

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

[Devices subject to this condition : D59]

C1.6 The operator shall limit the throughput to no more than 24000 gallon(s) per year.

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

[Devices subject to this condition : D761]

C1.7 The operator shall limit the number of turnovers to no more than 82 in any one year.

**[RULE 1301, 12-7-1995]**

[Devices subject to this condition : D389]

C1.9 The operator shall limit the number of turnovers to no more than 365 in any one year.

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

[Devices subject to this condition : D426]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

C1.11 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

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

[Devices subject to this condition : D785]

C1.12 The operator shall limit the throughput to no more than 1.87714e+07 barrel(s) in any one year.

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

[Devices subject to this condition : D401]

C1.13 The operator shall limit the firing rate to no more than 175 MM Btu per hour.

To comply with this condition, the operator shall monitor and record the flow rates and high heating values of the C3/C4 Merox off gas and refinery fuel gas/natural gas. Such records shall be made available to the District personnel upon request.

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

[Devices subject to this condition : D104, D105]

C1.14 The operator shall limit the number of turnovers to no more than 584 in any one year.

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

[Devices subject to this condition : D420]

C1.15 The operator shall limit the throughput to no more than 8.50e+05 barrel(s) in any one calendar month.

The operator shall install and maintain a gauging system to continuously monitor and record the liquid level in this tank. Records of gauge levels and throughput shall be maintained in a manner approved by the District and 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 : D402]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

C1.16 The operator shall limit the throughput to no more than 4.745e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D400]

C1.17 The operator shall limit the throughput to no more than 4.5625e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D394, D395]

C1.18 The operator shall limit the throughput to no more than 219000 barrel(s) in any one year.

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

[Devices subject to this condition : D398, D399]

C1.19 The operator shall limit the throughput to no more than 3000 gallon(s) per month.

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

[Devices subject to this condition : D759]

C1.20 The operator shall limit the throughput to no more than 2.555e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D372]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

C1.22 The operator shall limit the throughput to no more than 193450 barrel(s) in any one calendar month.

The operator shall install and maintain an automatic gauging system to continuously monitor and record the liquid level in this tank. Hourly records of gauge levels and total throughput shall be maintained in a manner approved by the District and made available to the District personnel upon request. During maintenance of the gauging system, liquid levels shall be monitored and recorded manually at each filling interval.

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

[Devices subject to this condition : D381]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

C1.26 The operator shall limit the throughput to no more than 2,402,916 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 two 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 : D378]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

C1.27 The operator shall limit the maintenance testing to no more than 34 hours in any one calendar year.

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

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

[RULE 1470(h)(15), 11-3-2006]

[Devices subject to this condition : D785]

C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 50 percent of the Lower Explosive Limit.

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

[RULE 463, 5-6-2005]

[Devices subject to this condition : D372, D388]

C8.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 10 of the pH scale.

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

[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; RULE 407, 4-2-1982]

[Devices subject to this condition : C335]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- C8.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1200 Deg F.

This condition shall only apply whenever the incinerator is receiving vent gas from either SCOT Tail Gas Unit.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

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

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

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 10-4-1991]**

[Devices subject to this condition : C294]

- C8.5 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 430 Deg F.

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.

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

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 10-4-1991]**

[Devices subject to this condition : C292]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : C524, C526, C528]

- C8.7 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 9 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : C335]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

- C8.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 520 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

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

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

This condition shall only apply whenever the incinerator is operating in standby mode and is not receiving vent gas from the SCOT Tail Gas Units.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 10-4-1991]**

[Devices subject to this condition : C294]

#### **D. Monitoring/Testing Requirements**

- D12.2 The operator shall install and maintain a(n) timer to accurately indicate the elapsed operating time of the engine.

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

[Devices subject to this condition : D785]

- 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; RULE 60 Subpart A, 5-16-2007]**

[Devices subject to this condition : C465, C469]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

D28.16 The operator shall conduct source test(s) in accordance with the following specifications:

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.

Source test shall be conducted when this equipment is operating at least 80 percent of the permitted 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.

The test shall be conducted to determine and report the concentration of NO<sub>x</sub>, corrected to 3 percent oxygen, dry basis..

The test shall be conducted to determine and report the mass emission rate in pound per hour for NO<sub>x</sub>, SO<sub>x</sub>, ROG, CO, total PM, and PM<sub>10</sub>, corrected to 3 percent oxygen, dry basis..

The test shall be conducted to determine and report the excess oxygen in percent, dry basis, at the outlet..

The test shall be conducted to determine and report the moisture in percent at the outlet..

The test shall be conducted to determine and report the flue gas flow rate in DSCF per hour at the outlet..

**[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 : D78, D79, D104, D105]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

D29.1 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

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

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986]**

[Devices subject to this condition : D791, D826]

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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	District-approved averaging time	Outlet

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

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 409, 8-7-1981]**

[Devices subject to this condition : C292]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

SOX concentration in ppmv

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

**[RULE 1301(b)(1), 12-7-1995]**

[Devices subject to this condition : D104, D105]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

SOX concentration in ppmv

Concentrations shall be corrected to zero percent excess air on a dry basis.

Oxygen concentration in percent volume

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

[Devices subject to this condition : C292, C294]

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 : C434, C435]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

- D90.5 The operator shall periodically monitor the hydrocarbon concentration at the inlet of the first, inlet of the second, and the outlet of the second carbon canister according to the following specifications:

The operator shall use a diffusion sensor, or a flame-ionization system, or an infra-red ionization system, or an ultra-violet ionization system 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 1178, 4-7-2006; 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; RULE 463, 5-6-2005]**

[Devices subject to this condition : C427]

- D90.6 The operator shall continuously monitor the H<sub>2</sub>S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall 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 H<sub>2</sub>S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H<sub>2</sub>S in the fuel gas being burned in this device.

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

[Devices subject to this condition : D59, D78, D79, D104, D105, D174, D210]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

D90.10 The operator shall periodically monitor the VOC 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.

As an alternative to the above test methods, the Grab Sample method as described in Rule 1176, Attachment A, may be used for monitoring VOC.

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

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : C523, C525, C527]

D90.11 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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 : C484]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the H<sub>2</sub>S concentration at the fuel gas inlet to the combustion device pursuant to 40CFR60 Subpart J. Compliance with the fuel gas H<sub>2</sub>S concentration can alternately be determined by measuring the SO<sub>2</sub> emissions at the outlet of the device and complying with the 20 ppmv (dry basis, zero percent excess air) SO<sub>2</sub> limit allowed by 40CFR60 Subpart J. The measurement may be performed at a single device that shares common source of the fuel gas..

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

[Devices subject to this condition : D78, D79, D104, D105]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a annual basis, at least, unless the equipment did not operate during the entire annual 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : D108, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D123, D124, D125, D126]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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.

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : D59, D174, D210, C292, C294, D429]

- D330.1 The operator shall have a person that has been trained in accordance with Rule 461(d)(5) conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 461, 3-7-2008]**

[Devices subject to this condition : D760]

### **E. Equipment Operation/Construction Requirements**

- E71.1 The operator shall not use this equipment to store anhydrous ammonia unless the pressure relief valve is set at 265 psig or higher.

**[RULE 1301(b)(1), 12-7-1995]**

[Devices subject to this condition : D915]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

- E71.2 The operator shall not use this equipment to store aqueous ammonia unless the pressure relief valves are set at 50 psig or higher and the rupture disks are set at 45 psig or higher.

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

[Devices subject to this condition : D917]

- E124.1 The operator shall regularly wash exterior conveyors and return belts, overhead structures and the ground area down to the coke laden water return system to avoid accumulation of coke dust.

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D108, D109, D110, D111, D112, D115, D116, D117, D118, D119, D120, D123, D124, D125]

- E125.1 The operator shall drive all the outgoing petroleum coke trucks, whether filled or empty, through the truck wash system in order to thoroughly wash any residual coke off the exterior of the trucks.

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D124, D125, D126]

- 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 : C427, C434, C435, C484, C523, C525, C527]

- E134.1 The operator shall maintain a layer of diesel oil at least 12" high on top of the ammonium polysulfide in this equipment.

**[RULE 1301(b)(1), 12-7-1995]**

[Devices subject to this condition : D86]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

E136.1 The operator shall store all coke in the coke building and shall keep all coke in closed storage.

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D113]

E137.1 The operator shall treat petroleum coke storage pile and petroleum coke with dust suppressant agents such as sealants, and wetting and moisture retention solutions, as needed, to prevent any air borne dust emissions at all times.

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D113]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

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

[Devices subject to this condition : D917]

E153.1 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 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C484]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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 : C434, C435, C523, C525, C527]

E153.3 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 1178, 4-7-2006; 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; RULE 463, 5-6-2005]**

[Devices subject to this condition : C427]

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

**[RULE 60 Subpart A, 5-16-2007]**

[Devices subject to this condition : C465, C469]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

E193.5 The operator shall locate and operate this equipment according to the following specifications:

The operator shall not use this equipment with materials having a true vapor pressure of 3 psia or greater measured at 70 degrees F

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

[Devices subject to this condition : D401]

E336.1 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the air blower for the thermal reactor (D242).

[**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 : C252]

E336.2 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the air blower for the thermal reactor (D275).

[**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 : C282]

### H. Applicable Rules

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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 : D838, D841, D846, D848, D849, D852, D854, D855, D856, D857, D858, D861, D862, D868, D869, D870, D871, D872, D873, D875, D876, D877, D944, D945, D946, D947, D948]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

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

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

[Devices subject to this condition : D352, D353]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

**[RULE 1149, 7-14-1995]**

[Devices subject to this condition : D365, D366, D367, D369, D373, D374, D376, D377, D384, D389, D404, D410, D417, D418]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	K

**[RULE 1149, 7-14-1995; 40CFR 60 Subpart K, 5-5-1989]**

[Devices subject to this condition : D394, D395, D396, D397]

H23.5 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
VOC	District Rule	1178

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

[Devices subject to this condition : D426]

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, 10-4-1991]**

[Devices subject to this condition : D59, D78, D79, D174, D210, C292, C294]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E879, E880]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E881]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E886]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR61, SUBPART	FF

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

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

H23.13 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, 5-5-1989]**

[Devices subject to this condition : D349, D382, D401, D408, D411, D412, D414, D415, D949, D950, D951]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

H23.15 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	40CFR60, SUBPART	Ka
VOC	District Rule	1149

**[RULE 1149, 7-14-1995; RULE 463, 5-6-2005; 40CFR 60 Subpart Ka, 5-5-1989]**

[Devices subject to this condition : D362]

H23.16 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Ka

**[RULE 1149, 7-14-1995; 40CFR 60 Subpart Ka, 5-5-1989]**

[Devices subject to this condition : D400, D402, D420]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Kb

**[RULE 1149, 7-14-1995; 40CFR 60 Subpart Kb, 10-15-2003]**

[Devices subject to this condition : D380, D381, D401, D407, D408, D411, D412, D413]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

H23.19 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

**[RULE 109, 5-2-2003]**

[Devices subject to this condition : E884]

H23.20 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1411
Refrigerants	40CFR82, SUBPART	B

**[RULE 1411, 3-1-1991; 40CFR 89 Subpart B, 7-1-2000]**

[Devices subject to this condition : E882]

H23.21 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

**[RULE 1122, 10-1-2004]**

[Devices subject to this condition : E913]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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, 6-7-1985]**

[Devices subject to this condition : D472, D832, D835, D842, D851]

H23.23 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
Benzene	40CFR61, SUBPART	FF

**[RULE 1149, 7-14-1995; 40CFR 61 Subpart FF, 12-4-2003]**

[Devices subject to this condition : D382, D414, D415]

H23.24 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Ka
Benzene	40CFR61, SUBPART	FF

**[RULE 1149, 7-14-1995; 40CFR 60 Subpart Ka, 5-5-1989; 40CFR 61 Subpart FF, 12-4-2003]**

[Devices subject to this condition : D398, D399]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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 : D785]

H23.27 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

Upon EPA's approval of the alternative monitoring plan (AMP) submitted on March 30, 2005 for measuring H2S concentration in the fuel gas consumed by the combustion devices, all devices subject to this condition shall become "affected facilities" as defined in 40CFR60 New Source Performance Standards.

**[40CFR 60 Subpart J, 10-4-1991; CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]**

[Devices subject to this condition : D104, D105]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

H23.28 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	407

The CO emission limit of this rule applies during all non-emergency operating periods including planned startup and shutdown of the hydrogen plant.

**[RULE 407, 4-2-1982]**

[Devices subject to this condition : D175, D176, D179, D188, D194, D202, D896]

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]

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 : D785]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

H23.32 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

The equipment is subject to the portable engine requirements of Rule 1110.2.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D791, D826]

H116.1 The operator shall terminate the operation of this equipment in order to comply with District Rule 402 whenever the District determine that the equipment is creating nuisance.

[RULE 402, 5-7-1976]

[Devices subject to this condition : C434, C435]

### **I. Administrative**

I1.1 The operator shall comply with all the requirements of the variance dated May 8, 2007, Case No. 4900-80 in accordance with the Findings and Decisions of 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.

[RULE 3004(a)(10)(C), 12-12-1997]

[Devices subject to this condition : C465, C469]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

I30.1 In accordance with Rule 3002(a)(3), the permit for this equipment is being issued as a non-Title V permit.

The facility permit holder shall file an application for a Title V permit revision for this equipment within 90 days of the issuance of the facility's initial Title V permit.

[Devices subject to this condition : D378]

#### **J. Rule 461**

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

**[RULE 461, 3-7-2008]**

[Devices subject to this condition : D759]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

**[RULE 461, 3-7-2008]**

[Devices subject to this condition : D760]

#### **K. Record Keeping/Reporting**

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

K67.2 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 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D785]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]**

[Devices subject to this condition : D352, D362, D363, D365, D366, D367, D369, D373, D374, D376, D377, D379, D380, D381, D382, D384, D388, D403, D404, D407, D408, D409, D410, D411, D412, D413, D414, D415, D416, D419]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

This condition shall become effective when the initial Title V permit is issued to the facility.

[RULE 1113, 7-13-2007; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E885]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels.

Commodity stored and its storage time period.

True vapor pressure, in psia at actual temperature, of each commodity stored.

Hydrocarbon concentration measurements of the vapor space above the floating roof of the tank.

Other records that are required to comply with the applicable requirements of Rules 463(d), 1149, 1178, and 40CFR63 Subpart CC.

[**RULE 1149, 7-14-1995; RULE 1178, 4-7-2006; RULE 463, 5-6-2005; 40CFR 63 Subpart CC, 12-19-2005**]

[Devices subject to this condition : D378]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

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

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

K67.8 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 quarterly basis shall include manual and automatic operation and shall list all engine operations in each of the following areas:

- A. Total hours of operation
- B. Type of liquid and/or type of gaseous fuel
- C. Fuel consumption (cubic feet of gas or gallons of liquid)

The log shall be kept for a minimum of five calendar years prior to the current year and made available to the District personnel upon request.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D791, D826]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION E: ADMINISTRATIVE CONDITIONS

- a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
- a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
  - e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
  - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION E: ADMINISTRATIVE CONDITIONS

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.
  - b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
  - a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.
  - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182.  
[204]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

#### I. NO<sub>x</sub> Monitoring Conditions

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NO<sub>x</sub> source to continuously measure the concentration of NO<sub>x</sub> emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NO<sub>x</sub> emissions rate from each source. The time-sharing of CEMS among NO<sub>x</sub> sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.
5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO<sub>x</sub> concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

#### **II. NO<sub>x</sub> Source Testing and Tune-up Conditions**

1. The operator shall conduct all required NO<sub>x</sub> source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]
4. Process Unit source testing

#### III. SO<sub>x</sub> Monitoring Conditions

D. The Operator of a SO<sub>x</sub> Major Source, as defined in Rule 2011, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major SO<sub>x</sub> source to continuously measure the concentration of SO<sub>x</sub> emissions or fuel sulfur content and all other applicable variables specified in Rule 2011, Table 2011-1 and Rule 2011, Appendix A, Table 2-A to determine the SO<sub>x</sub> emissions rate from each source. The time-sharing of CEMS among SO<sub>x</sub> sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2011]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2011]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2011. [2011]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2011, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

5. Follow missing data procedures as specified in Rule 2011 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.
- E. The Operator of a SO<sub>x</sub> Process Unit, as defined in Rule 2011, shall, as applicable:
  1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2011, Table 2011-1, and Rule 2011, Appendix A, Table 3-A. The sharing of totalizing meters shall be allowed for process units except those using fuels with different sulfur contents. [2011]

#### IV. SO<sub>x</sub> Source Testing Conditions

1. The operator shall conduct all required SO<sub>x</sub> source testing in compliance with an AQMD-approved source test protocol. [2011]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

#### I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
  - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
  - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
  - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

#### II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

#### NO<sub>x</sub> Reporting Requirements

- A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:
  1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NO<sub>x</sub> source, the total daily mass emissions of NO<sub>x</sub> and daily status codes. Such data

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]

2. Calculate NO<sub>x</sub> emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
  3. Submit an electronic report within 15 days following the end of each month totaling NO<sub>x</sub> emissions from all major NO<sub>x</sub> sources during the month. [2012]
  4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]
- B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall:
1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NO<sub>x</sub> mass emissions from each large NO<sub>x</sub> source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]
- C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall:
1. Electronically report the calculated quarterly NO<sub>x</sub> emissions for each NO<sub>x</sub> process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

#### **SOx Reporting Requirements**

D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major SOx source, the total daily mass emissions of SOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2011]
2. Calculate SOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2011 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2011]
3. Submit an electronic report within 15 days following the end of each month totaling SOX emissions from all major SOx sources during the month. [2011]
4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2011]

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall:

1. Electronically report the calculated quarterly SOx emissions for each SOx process unit. [2011]

## 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
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
<b>System 1 : CRUDE DISTILLATION UNIT</b>					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				

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|---|--|
| <p>* (1) Denotes RECLAIM emission factor<br/>         (3) Denotes RECLAIM concentration limit<br/>         (5)(5A)(5B) Denotes command and control emission limit<br/>         (7) Denotes NSR applicability limit<br/>         (9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate<br/>         (4) Denotes BACT emission limit<br/>         (6) Denotes air toxic control rule limit<br/>         (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)<br/>         (10) See Section J for NESHAP/MACT requirements</p> |
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\*\* 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
<b>Process 1 : CRUDE DISTILLATION</b>					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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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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\*\* 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
<b>Process 1 : CRUDE DISTILLATION</b>					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			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.22
<b>System 2 : CRUDE DISTILLATION UNIT HEATERS</b>					
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**	<b>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]</b>  <b>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]</b>	A305.1, B61.1, C1.10, D12.4, D28.9, D29.2, D90.6, D328.1, H23.6

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| <p>* (1) Denotes RECLAIM emission factor<br/>         (3) Denotes RECLAIM concentration limit<br/>         (5)(5A)(5B) Denotes command and control emission limit<br/>         (7) Denotes NSR applicability limit<br/>         (9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate<br/>         (4) Denotes BACT emission limit<br/>         (6) Denotes air toxic control rule limit<br/>         (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br/>         (10) See Section J for NESHAP/MACT requirements</p> |
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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
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
BURNER, 36 BURNERS, REFINERY/NATURAL GAS, CALLIDUS TECHNOLOGIES INC., MODEL LE-CSG-10W, 9.72 MMBTU/HR EACH, WITH LOW NOX BURNER				<i>RULE 1303(b)(2)-Offset,12-6-2002</i> ; <b>ROG</b> : 1.81 LBS/HR (5) [ <i>RULE 1303(b)(2)-Offset,5-10-1996;RULE 1303(b)(2)-Offset,12-6-2002</i> ]	
<b>System 4 : VACUUM FLASH UNIT</b>					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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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B)Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CRUDE DISTILLATION</b>					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			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.22
<b>System 7 : BRINE FLASH STRIPPER (BENZENE STRIPPER)</b>					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			<b>HAP: (10) [40CFR 63 Subpart CC, #4,5-25-2001]</b>	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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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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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
<b>Process 1 : CRUDE DISTILLATION</b>					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 409983 Permit to Construct Issued: 03/09/04	D834			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.22
<b>System 8 : CRUDE UNIT FEED DESALTER</b>					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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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B)Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CRUDE DISTILLATION</b>					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			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.22
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					P13.2
<b>System 1 : DELAYED COKING UNIT</b>					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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					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			<b>PM: (9) [RULE 405,2-7-1986]</b>	D323.2
DRUM, COKE, V-2237, HEIGHT: 75 FT; DIAMETER: 26 FT A/N: 464152 Permit to Construct Issued: 07/18/07	D797			<b>PM: (9) [RULE 405,2-7-1986]</b>	D323.2

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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
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					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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 (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
<b>Process 2 : COKING AND RESIDUAL CONDITIONING</b>					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, MISCELLANEOUS A/N: 464152 Permit to Construct Issued: 07/18/07	D838			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.22
<b>Process 3 : HYDROTREATING</b>					P13.2
<b>System 3 : FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT 120</b>					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				

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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  
 (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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<b>Process 3 : HYDROTREATING</b>					P13.2
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				
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				

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<b>Process 3 : HYDROTREATING</b>					P13.2
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				
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				

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<b>Process 3 : HYDROTREATING</b>					P13.2
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				
COMPRESSOR, HYDROGEN RECYCLE, 120-C-1B A/N: 467377 Permit to Construct Issued: 06/07/07	D740				
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

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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
<b>Process 3 : HYDROTREATING</b>					P13.2
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		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	H23.11
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 467377 Permit to Construct Issued: 06/07/07	D844			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.22
<b>System 4 : FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT 120 HEATER</b>					
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**	<b>CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 0.09 LBS/HR NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]</b>  <b>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]</b>  <b>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]</b>	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

\*\* 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
<b>Process 3 : HYDROTREATING</b>					P13.2
BURNER, 8 BURNERS, NATURAL GAS, CALLIDUS, MODEL LE-CSG-W, WITH LOW NOX BURNER, 22 MMBTU/HR				<p><i>RULE 1303(a)(1)-BACT,12-6-2002</i> ; <b>PM:</b> 21 LBS/MMSCF NATURAL GAS (4) [<b>RULE 1303(a)(1)-BACT,5-10-1996</b>;<i>RULE 1303(a)(1)-BACT,12-6-2002</i>]</p> <p><b>ROG:</b> 0.15 LBS/HR NATURAL GAS (4) [<b>RULE 1303(a)(1)-BACT,5-10-1996</b>;<i>RULE 1303(a)(1)-BACT,12-6-2002</i>]</p>	
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
<b>System 2 : HYDROGEN PLANT HEATER</b>					
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-CFSG-3W, WITH LOW NOX BURNER	D210		NOX: MAJOR SOURCE** ; SOX: MAJOR SOURCE**	<b>CO:</b> 2000 PPMV (5) [ <b>RULE 407,4-2-1982</b> ] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [ <b>RULE 409,8-7-1981</b> ] ; <b>PM:</b> (9) [ <b>RULE 404,2-7-1986</b> ]	B61.1, C1.8, D90.6, D328.1, H23.6

- \* (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 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
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
<b>System 1 : STORM/PROCESS UNIT WASTEWATER TREATMENT</b>					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		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	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	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		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	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		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	H23.13

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| <p>* (1) Denotes RECLAIM emission factor<br/>         (3) Denotes RECLAIM concentration limit<br/>         (5)(5A)(5B) Denotes command and control emission limit<br/>         (7) Denotes NSR applicability limit<br/>         (9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate<br/>         (4) Denotes BACT emission limit<br/>         (6) Denotes air toxic control rule limit<br/>         (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)<br/>         (10) See Section J for NESHAP/MACT requirements</p> |
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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
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
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
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 FLOATATION, TK-1601, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D342	C517		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	
TANK, AIR FLOATATION, TK-1602, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT; DIAMETER: 26 FT A/N: 325732 † Permit to Construct Issued: 08/31/95	D344	C517		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	
RESERVOIR, STORM WATER, WITH A 21 FT. DIKE, 193000 BBL A/N: 325732 † Permit to Construct Issued: 08/31/95	D345				

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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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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
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
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				
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 FLOATATION, 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		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	H23.13

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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B)Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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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
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
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				
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		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN SERIES, 150 LBS A/N: 325732 † Permit to Construct Issued: 08/31/95	C830	D829		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	D90.3, E128.1, E153.2
DRAIN SYSTEM COMPONENT A/N: 325732 † Permit to Construct Issued: 08/31/95	D887			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.13
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 325732 † Permit to Construct Issued: 08/31/95	D945				H23.1

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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
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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
<b>Process 9 : WASTEWATER TREATMENT</b>					P13.2
<b>System 2 : AIR POLLUTION CONTROL SYSTEM</b>					
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
<b>Process 11 : STEAM GENERATION</b>					
<b>System 1 : BOILERS</b>					
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

- \* (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 CONOCOPHILLIPS COMPANY

### 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
<b>Process 11 : STEAM GENERATION</b>					
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  BURNER, 4 BURNERS, REFINERY/NATURAL GAS, COEN COMPANY, MODEL DELTA POWER II-27, 88 MMBTU/HR EACH, WITH LOW NOX BURNER	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
<b>Process 12 : MISCELLANEOUS</b>					
<b>System 6 : WILMINGTON EXTRACTION WELL</b>					
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			

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12 : MISCELLANEOUS</b>					
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**	<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B61.1, C6.2, C8.2, D28.2, D90.6, D332.1, E193.2, H23.6, K67.1
<b>System 8 : EMERGENCY IC ENGINES</b>					
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**	<b>CO:</b> 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)- BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6- 2005]  <b>NOX + ROG:</b> 4.8 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10- 1996;RULE 1303(a)(1)-BACT,12-6- 2002] ; <b>PM:</b> 0.15 GRAM/BHP- HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996	B61.3, C1.24, C1.25, E71.4, E116.1, E193.6, H23.26, H23.31, K67.6, K67.7

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| <p>* (1) Denotes RECLAIM emission factor<br/>         (3) Denotes RECLAIM concentration limit<br/>         (5)(5A)(5B) Denotes command and control emission limit<br/>         (7) Denotes NSR applicability limit<br/>         (9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate<br/>         (4) Denotes BACT emission limit<br/>         (6) Denotes air toxic control rule limit<br/>         (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br/>         (10) See Section J for NESHAP/MACT requirements</p> |
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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
<b>Process 12 : MISCELLANEOUS</b>					
GENERATOR, ELECTRICAL POWER, CUMMINS, MODEL 200DSHAC, 200 KW	D931			<i>RULE 1303(a)(1)-BACT,12-6-2002;RULE 1470,6-1-2007</i> ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	
FILTER, DIESEL PARTICULATE FILTER, CLEANAIR SYSTEMS, INC., MODEL PERMIT CA180W4CN40, WITH A HIBACK DATA LOGGING AND ALARM SYSTEM	C932				
<b>System 10 : SOIL VAPOR EXTRACTION AND CONTROL SYSTEM</b>					
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	C925		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 32 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; <b>PM:</b> 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

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

\*\* 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
<b>Process 12 : MISCELLANEOUS</b>					
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					
<b>Process 14 : AIR POLLUTION CONTROL</b>					P18.1
<b>System 1 : EAST FLARE SYSTEM</b>					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, I1.1
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				

- \* (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
<b>Process 14 : AIR POLLUTION CONTROL</b>					P18.1
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				
KNOCK OUT POT, F-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			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.1
<b>System 2 : WEST FLARE SYSTEM</b>					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, I1.1

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| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
|--|--|

\*\* 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
<b>Process 14 : AIR POLLUTION CONTROL</b>					P18.1
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			
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			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.1
<b>System 3 : FLARE GAS RECOVERY SYSTEM</b>					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

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|--|--|
| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
|--|--|

\*\* 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
<b>Process 14 : AIR POLLUTION CONTROL</b>					P18.1
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
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				
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			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.22

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|--|---|
| <ul style="list-style-type: none"> <li>* (1) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5)(5A)(5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See Section J for NESHAP/MACT requirements</li> </ul> |
|--|---|

\*\* 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
D210	15	4	2
D336	16	9	1
D337	16	9	1
D338	16	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
D339	17	9	1
D340	17	9	1
D341	17	9	1
D342	17	9	1
D344	17	9	1
D345	17	9	1
D346	18	9	1
D429	20	11	1
D430	21	11	1
C465	24	14	1
D466	25	14	1
D467	25	14	1
D468	25	14	1
C469	25	14	2
D470	26	14	2
C517	18	9	1
C519	18	9	1
C520	18	9	1
C521	20	9	2
D533	21	12	6
D534	21	12	6
D535	21	12	6
D536	22	12	6
C538	22	12	6
D713	14	3	4
C719	16	9	1
C720	16	9	1
D721	10	3	3
D722	10	3	3
D723	10	3	3
D724	11	3	3
D725	11	3	3
D726	11	3	3
D727	11	3	3
C728	11	3	3
D730	12	3	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
D731	12	3	3
D732	12	3	3
D733	12	3	3
D734	12	3	3
D735	12	3	3
D736	13	3	3
D738	13	3	3
D740	13	3	3
D741	13	3	3
D742	13	3	3
D748	13	3	3
D749	13	3	3
D753	25	14	1
D754	26	14	2
D755	26	14	2
D756	26	14	2
D758	10	2	1
D773	18	9	1
D774	19	9	1
D775	19	9	1
D796	8	2	1
D797	8	2	1
D798	9	2	1
D799	9	2	1
D813	18	9	1
D814	11	3	3
D816	14	3	3
D823	7	1	8
D824	7	1	8
D829	19	9	1
C830	19	9	1
D832	3	1	1
D834	6	1	7
D835	5	1	4
D838	10	2	1
D844	14	3	3

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D876	25	14	1
D877	26	14	2
D887	19	9	1
D919	5	1	7
D920	5	1	7
C921	20	11	1
C925	23	12	10
D930	22	12	8
D931	23	12	8
C932	23	12	8
D933	24	14	1
D937	25	14	1
D938	26	14	3
D939	27	14	3
D940	27	14	3
D941	27	14	3
D942	27	14	3
D943	10	2	1
D945	19	9	1
D953	2	1	1
D954	3	1	1
D955	3	1	1
D957	7	1	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]

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

### PROCESS 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:

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, 10-4-1991]**

[Processes subject to this condition : 7]

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

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

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

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

## 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]**

[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 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]

## 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:

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

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

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

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

[Systems subject to this condition : Process 10, System 7]

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.

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

S15.4 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]

## 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:

S15.5 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]

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]

## 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:

S15.8 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.

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

S15.12 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]

## 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:

S15.13 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]

## 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:

- 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, 6-7-1985]**

[Systems subject to this condition : Process 3, 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:

- 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.

## **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:

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

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

- 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.

## **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:

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]

## **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:

- 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.

## 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:

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]

### 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]

## 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:

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]

## 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:

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**

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, 10-4-1991]**

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

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]

## **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:

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]

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]

## **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:

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]

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]

## 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:

- 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]

- 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]

## **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:

- C8.3 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]

- 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : C719, C720]

## 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:

- C8.9 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]

- 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

## 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:

- D12.1 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; RULE 60 Subpart A, 5-16-2007]**

[Devices subject to this condition : C465, C469]

- 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]

## **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:

D28.2 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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:

NH<sub>3</sub> 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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 H<sub>2</sub>S 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 H<sub>2</sub>S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H<sub>2</sub>S in the fuel gas being burned in this device.

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

[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]

## **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:

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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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 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.

This condition shall become effective when the initial Title V permit is issued to the facility.

**[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-Butly 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

[**RULE 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, 10-4-1991]**

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

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, 5-5-1989]**

[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, 6-7-1985]**

[Devices subject to this condition : D748, D749, D832, D834, D835, D838, D844, 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, 10-4-1991]**

[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]

### **I. Administrative**

## **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:

- I1.1 The operator shall comply with all the requirements of the variance dated May 8, 2007, Case No. 4900-80 in accordance with the Findings and Decisions of 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.

**[RULE 3004(a)(10)(C), 12-12-1997]**

[Devices subject to this condition : C465, C469]

### **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 I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

- a. The operator does not have to comply with NO<sub>x</sub> or SO<sub>x</sub> emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NO<sub>x</sub> or SO<sub>x</sub> emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

#### List of approved plans:

Application	Rule
327267	2002
332227	1176
448998	1173
453376	1178

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #2 5-25-2001]

#### HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 2 EMISSION POINTS (MISCELLANEOUS PROCESS VENT, STORAGE VESSEL, AND WASTEWATER STREAM)

1. The operator shall make the determination for Group 2 emission point in accordance with the following regulations:

Emissions Point	Section	Group 2 Determination Criteria
Miscellaneous process vent	63.645(h)	Total organic compounds emission rate
Storage tank	63.654(i)(1)(iv)	Weight percent of total organic HAP
Wastewater stream	61.342(c)(2) or (c)(3)	Total annual benzene quantity

Record of any data, assumptions, and procedures used to make this determination shall be retained for five years.

2. The operator shall not reclassify a Group 2 emission point to a Group 1 emission point without first obtaining a valid permit from the AQMD.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #3A 5-25-2001]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 1  
 EMISSION POINT (GROUP 1 STORAGE TANK - EXISTING SOURCE)

1. The operator shall comply with all applicable requirements of 40CFR63 Subparts CC including those requirements of 40CFR63 Subpart A specified in Table 6 of 40CFR63 Subpart CC.
2. The operator shall comply with applicable requirements of 40CFR63 Subpart CC by the following applicable compliance date:
  - August 18, 1998, for fixed roof storage tank. {63.640(h)}
  - August 18, 2005, or at the first degassing and cleaning activity after 8/18/1998, whichever is first, for floating roof storage tank. {63.640(h)(4)}
3. The operator shall comply with applicable control, monitoring, inspection, and recordkeeping requirements of 40CFR63 Subpart CC, which references to 40CFR63 Subpart G as follows:

40CFR63 Subpart CC	40CFR63 Subpart G
63.646(a)	<u>Control requirements:</u> <ol style="list-style-type: none"> <li>a. Internal Floating Roof storage tanks shall be equipped with proper seals. {63.119(b)(1) to (b)(4)}</li> <li>b. External Floating Roof storage tank shall be equipped with proper seals. {63.119(c)(1), (c)(3) &amp; (c)(4)}</li> <li>c. External Floating Roof converted to an Internal Floating Roof shall be equipped with proper seals. {63.119(d)(1)}</li> <li>d. Fixed roof storage tank shall be vented to a control system to reduce organic hazardous air pollutants emissions by 95%. {63.119(e)(1) to (e)(5)}</li> </ol>

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #3A 5-25-2001]

63.646(e)	<p><u>Testing and inspection requirements:</u></p> <p>a. Internal Floating Roof storage tank, single seal: Roof &amp; seal shall be visually inspected yearly through manholes &amp; roof hatches and Roof &amp; seal shall be visually inspected when emptying/degassing the tank and at least every 10 years. {63.120(a)(2)(i) &amp; (ii)}</p> <p>b. Internal Floating Roof storage tank, double seals:</p> <ul style="list-style-type: none"> <li>• Roof &amp; both seals shall be visually inspected when emptying/degassing and at least every 5 years {63.120(a)(3)(i)}, or</li> <li>• Roof &amp; secondary seal shall be visually inspected yearly through manholes and roof hatches and</li> </ul> <p>Roof &amp; both seals shall be visually inspected when emptying/degassing and at least every 10 years. {63.120(a)(3)(ii) &amp; (iii)}</p> <p>c. External Floating Roof storage tank, single seal: Gaps between vessel wall and primary seal shall be measured until the secondary seal is installed. {63.120(b)(1)(ii)}</p> <p>d. External Floating Roof, double seals:</p> <ul style="list-style-type: none"> <li>• Gaps between vessel wall and primary seal shall be measured every 5 years during hydrostatic testing, {63.120(b)(1)(i)}</li> <li>• Gap between wall and secondary seal shall be measured yearly {63.120(b)(1)(iii)}, and</li> </ul> <p>Roof, both seals &amp; fittings shall be visually inspected when emptying/degassing (non specified frequency). {63.120(b)(10)}</p> <p>e. Fixed Roof Vent to Control System: Control system shall be tested one time for control efficiency demonstration and closed vent system shall be inspected annually. {63.120(d)(1) &amp; (6)}</p>
63.654(i)(1)(i)	<p>The operator shall comply with recordkeeping requirements in Section 63.123.</p>

4. The operator shall comply with the reporting requirements specified in 40CFR63 Subpart CC, Section 63.654(e), (f) & (g).
5. The operator shall comply with other requirements specified in 40CFR63 Subpart CC, Section 63.646(f) as follows:
  - e. Cover or lid on an opening on a floating roof,

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #3A 5-25-2001]**

- f. Rim space vents to be set when the roof is not floating or the pressure beneath the rim seal exceeds the manufacturer's recommended setting, and
  - g. Close automatic bleeder vents except when the roof is being floated off or is being landed on the roof leg supports.
6. The operator is exempt from deck fitting requirements; inspection; and recordkeeping requirements for gaskets, slotted membranes, and sleeve seals for existing floating roof storage tank as specified in 40CFR63 Subpart CC, Sections 63.646(c), 63.646(e), and 63.654(i)(1)(i), respectively.
7. The operator shall comply with 40CFR63 Subpart CC requirements for existing equipment that is subject to 40CFR60 Subpart K or Ka and 40CFR63 Subpart CC. *{40CFR63 Subpart CC, Section 63.640(n)}*
8. The operator shall comply with 40CFR60 Subpart Kb requirements for existing equipment that is subject to 40CFR60 Subpart Kb and 40CFR63 Subpart CC. *{40CFR63 Subpart CC, Section 63.640(n)}*

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #4 5-25-2001]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 1  
 EMISSION POINT (GROUP 1 WASTEWATER STREAM - EXISTING/NEW SOURCE)

1. The operator shall comply with all applicable requirements of 40CFR63 Subparts CC including those requirements of 40CFR63 Subpart A specified in Table 6 of 40CFR63 Subpart CC.
2. The operator shall comply with applicable treatment standards, equipment standards, test methods, monitoring, reporting, and recordkeeping requirements of 40CFR63 Subpart CC, which references to 40CFR61 Subpart FF as follows:

40CFR63 Subpart CC	40CFR61 Subpart FF
63.647(a)	1. <u>Treatment Standards</u> : The operator shall demonstrate compliance with any one of the methods specified in Section 61.342(c), (d) or (e) of 60CFR61 Subpart FF.
63.647(a)	2. <u>Equipment Standards</u> : The operator shall comply with the following standards set forth for the equipment used in waste handling and storage including treatment process: <ol style="list-style-type: none"> <li>a. Tanks and alternative standards for tanks. {61.343 &amp; 61.351}</li> <li>b. Surface impoundments standards. {61.344}</li> <li>c. Containers standards. {61.345}</li> <li>d. Individual drain system standards. {61.346}</li> <li>e. Oil-water separator and alternative standards for oil-water separator. {61.347 &amp; 61.352}</li> <li>f. Treatment process standards. {61.348}</li> <li>g. Closed-vent systems and control devices standards. {61.349}</li> <li>h. Allowance for delay of repair of equipment. {61.350}</li> </ol>
63.647(a)	3. <u>Test Methods and Procedures</u> : The operator shall comply with applicable test methods and procedures in Section 61.355 in determining the total annual benzene quantity from facility waste.
63.647(c)	4. <u>Monitoring Requirements</u> : The operator shall comply with monitoring and associated recording requirements in Section 61.354.
63.654	5. <u>Reporting and Recordkeeping Requirements</u> : The operator shall comply with reporting and recordkeeping requirements in Sections 61.356 and 61.357.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #5A 5-25-2001]

#### HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - EQUIPMENT LEAK IN ORGANIC HAP SERVICE - EXISTING SOURCE

1. The operator shall comply with all applicable requirements of 40CFR63 Subpart CC including those requirements of 40CFR63 Subpart A specified in Table 6 of 40CFR63 Subpart CC.
2. The operator shall comply with applicable control, monitoring, inspection, and repair requirements of 40CFR63 Subpart CC, which references to 40CFR60 Subpart VV as follows:

40CFR63 Subpart CC	40CFR60 Subpart VV
63.648(a)	<ol style="list-style-type: none"> <li>1. <u>Control, Monitoring, Inspection, and Repair Requirements:</u> The operator shall comply with the following standards set forth for equipment used in volatile organic compounds service:               <ol style="list-style-type: none"> <li>a. Pumps in light liquid service. {60.482-2}</li> <li>b. Compressors. {60.482-3}</li> <li>c. Pressure relief devices in gas/vapor service. {60.482-4}</li> <li>d. Sampling connection systems. {60.482-5}</li> <li>e. Open-ended valves or lines. {60.482-6}</li> <li>f. Valves in gas/vapor and light liquid service. {60.482-7}</li> <li>g. Pumps and valves in heavy liquid service, pressure relief devices in light or heavy liquid service, and flanges and other connectors. {60.482-8}</li> <li>h. Allowance for delay of repair of equipment. {60.482-9}</li> <li>i. Closed vent systems and control devices. {60.482-10}</li> </ol> </li> <li>2. <u>Test Methods and Procedures:</u> The operator shall comply with applicable test methods and procedures in Section 60.485 in conducting performance tests and determining the presence of leaking sources.</li> </ol>
63.648(b)	<ol style="list-style-type: none"> <li>3. <u>Allowance for Less Frequent Monitoring:</u> The operator shall comply with applicable requirements in Section 60.483-2 when electing to skip leak detection periods for valves.</li> </ol>

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #5A 5-25-2001]

<b>40CFR63 Subpart CC</b>	<b>40CFR60 Subpart VV</b>
63.654(d)(1)	4. <u>Recordkeeping and Reporting Requirements</u> : The operator shall comply with recordkeeping and semiannual reporting requirements in Sections 60.486 and 60.487, respectively.

3. The operator shall comply with 40CFR63 Subpart CC requirements for existing equipment that is subject to 40CFR60 or 40CFR61 as well as 40CFR63 Subpart CC. *{40CFR63 Subpart CC, Section 63.640(p)}*

# FACILITY PERMIT TO OPERATE

## CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #4 2-9-2005]

#### HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: SULFUR RECOVERY UNITS

1. The operator shall comply with the applicable general requirements of Sections 63.1 through 63.15 of Subpart A and Section 63.1570 of Subpart UUU.
2. The operator shall comply with the applicable notification, reporting, and recordkeeping requirements of Sections 63.1574, 63.1575, and 63.1576, respectively.
3. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).
4. The operator shall submit all required reports, notifications, plans, submittals and other communications required by 40CFR63 Subpart A or Subpart UUU to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX, where applicable (see addresses in Sections E and K of this permit).
5. The operator shall submit to AQMD all plan applications (i.e. operation, maintenance, and monitoring plans) and applications for permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart UUU, as a Title V permit revision for the approval by the Executive Officer.
6. The operator shall comply with the following standard(s) for SRUs:

#### **Emission and Operating Limits for SRUs (§ 63.1568)\***

<b>Control Type</b>	<b>Emission Limitation (0% excess air)</b>	<b>Operating Limit</b>
Oxidation or reduction control system followed by incineration	SO <sub>2</sub> = 250 ppmvd	na.

*\*Applicable to all existing Claus SRUs that are part of a SRP of 20 long tons/day or more and are subject to the NSPS for sulfur oxides in 40 CFR 60.104(a)(2).*

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #4 2-9-2005]

7. The operator shall comply with the following standard(s) for Bypass Lines:

**Work Practice Standards for Bypass Lines (§ 63.1569)\***

Work Practice Standard
Install a car-seal or lock- and-key device placed on the mechanism by which the bypass device flow position is controlled (e.g., valve handle, damper level) when the bypass device is in the closed position such that the bypass line valve cannot be opened without breaking the seal or removing the device.
Seal the bypass line by installing a solid blind between piping flanges.

*\*Each bypass line that could vent an affected vent stream away from a control device used to comply with the requirements of this subpart.*

8. The operator shall comply with the following applicable initial and continuous compliance demonstration requirements:

Source Type	HAP Type	Initial Compliance	Continuous Compliance
SRU	HAP	Compliance with all applicable requirements of § 63.1568(b) including installation of a continuous SO <sub>2</sub> monitoring system and completion of a performance test.	Compliance with all applicable requirements of § 63.1568(c) including demonstration of compliance with the SO <sub>2</sub> emission limit.
Bypass Lines	HAP	Compliance with all applicable requirements of § 63.1569(b) including demonstration of initial compliance with the applicable work practice standard and submission of an operation, maintenance, and monitoring plan.	Compliance with all applicable requirements of § 63.1569(c) including demonstration of continuous compliance with the applicable work practice standard and with the procedures in the operation, maintenance, and monitoring plan.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

#### **GENERAL PROVISIONS**

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### **Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that the initial Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### **Duty to Provide Information**

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### **Payment of Fees**

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

#### **Reopening for Cause**

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:  
  
(A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

### COMPLIANCE PROVISIONS

- 8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
  - (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

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11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION K: TITLE V Administration**

commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

#### EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

#### RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

#### REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
  - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.
- The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]
25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **SECTION K: TITLE V Administration**

#### **PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

*FACILITY RULES*

*This facility is subject to the following rules and regulations:*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1110.2	2-1-2008	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1118	11-4-2005	Federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1123	12-7-1990	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1158	6-11-1999	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	2-1-2008	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 1173	6-1-2007	Non federally enforceable
RULE 1176	9-13-1996	Federally enforceable
RULE 1178	4-7-2006	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1189	1-21-2000	Federally enforceable
RULE 1301	12-7-1995	Federally enforceable
RULE 1301(b)(1)	12-7-1995	Federally enforceable
RULE 1303(a)	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1401	3-7-2008	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1411	3-1-1991	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 1470(h)(15)	11-3-2006	Non federally enforceable
RULE 2004	4-6-2007	Non federally enforceable
RULE 2004	5-11-2001	Federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2011	5-11-2001	Federally enforceable
RULE 2011	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	7-11-2003	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	11-8-1996	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(10)(C)	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-11-2001	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 403	12-11-1998	Federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 461	3-7-2008	Federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 465	8-13-1999	Federally enforceable
RULE 468	10-8-1976	Federally enforceable
RULE 60 Subpart A	5-16-2007	Federally enforceable
40CFR 60 Subpart GGG	6-7-1985	Federally enforceable
40CFR 60 Subpart J	10-4-1991	Federally enforceable
40CFR 60 Subpart K	5-5-1989	Federally enforceable
40CFR 60 Subpart Ka	5-5-1989	Federally enforceable
40CFR 60 Subpart Kb	10-15-2003	Federally enforceable
40CFR 60 Subpart QQQ	5-5-1989	Federally enforceable
40CFR 61 Subpart FF	12-4-2003	Federally enforceable
40CFR 63 Subpart CC	12-19-2005	Federally enforceable
40CFR 63 Subpart CC, #2	5-25-2001	Federally enforceable
40CFR 63 Subpart CC, #3A	5-25-2001	Federally enforceable
40CFR 63 Subpart CC, #4	5-25-2001	Federally enforceable
40CFR 63 Subpart CC, #5A	5-25-2001	Federally enforceable
40CFR 63 Subpart UUU, #4	2-9-2005	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable
40CFR 89 Subpart B	7-1-2000	Federally enforceable
CA PRC CEQA	11-23-1970	Non federally enforceable
CONSENT DECREE CIVIL NO. H-05-0258	1-27-2005	Federally enforceable

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219**

1. INTERNAL COMBUSTION ENGINES, GASOLINE FUELED
2. SPACE HEATERS, NATURAL GAS
3. INTERNAL COMBUSTION ENGINES, DIESEL FUELED

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 1-6-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 1-6-2006]

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates, cont.</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Cur rent</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-9-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<b>LIMITS</b>				
<b>Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds</b>				
<b><u>Coating</u></b>	<b><u>Air Dried</u></b>	<b><u>(lb/gal)</u></b>	<b><u>Baked</u></b>	<b><u>(lb/gal)</u></b>
General				
One-Component	275	(2.3)	275	(2.3)
Multi-Component	340	(2.8)	275	(2.3)
Military Specification	340	(2.8)	275	(2.3)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone Release	420	(3.5)	420	(3.5)
High Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan Backing	420	(3.5)	420	(3.5)
Pretreatment Coatings	420	(3.5)	420	(3.5)

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1107 11-9-2001]**

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

#### TABLE OF STANDARDS

#### VOC LIMITS

#### Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250						
Graphic Arts (Sign) Coatings	500				100		50
Industrial Maintenance							

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550		275	
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 11-8-1996]**

**TABLE OF STANDARDS (cont.)**

**VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

#### TABLE OF STANDARDS VOC LIMITS

#### Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 7-13-2007]**

**TABLE OF STANDARDS (cont.)  
VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 2-1-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 2-1-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 2-1-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

**FACILITY PERMIT TO OPERATE**  
**CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 404 2-7-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 2-7-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0