

## **FACILITY PERMIT TO OPERATE**

**CONOCOPHILLIPS COMPANY  
1660 W ANAHEIM ST  
WILMINGTON, CA 90744**

### **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: 1660 W ANAHEIM ST  
WILMINGTON, CA 90744

MAILING ADDRESS: P.O. BOX 758  
WILMINGTON, CA 90748

RESPONSIBLE OFFICIAL: JAY CHURCHILL

TITLE: MANAGER, LOS ANGELES REFINERY

TELEPHONE NUMBER: (310) 952-6001

CONTACT PERSON: KRISTIN WISDOM

TITLE: DIRECTOR OF ENVIRONMENTAL SERVICES

TELEPHONE NUMBER: (310) 952-6120

TITLE V PERMIT ISSUED:

TITLE V PERMIT EXPIRATION DATE:

TITLE V	RECLAIM
YES	NOx: YES SOx: YES CYCLE: 2 ZONE: COASTAL

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx 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	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/31/08 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2005	6 /2006	Coastal	768626	107121	0
1/2006	12/2006	Coastal	0	0	0
7/2006	6 /2007	Coastal	768626	92874	0
1/2007	12/2007	Coastal	0	120000	0
7/2007	6 /2008	Coastal	768626	1497741	0
7/2008	6 /2009	Coastal	768626	1290902	40718
7/2009	6 /2010	Coastal	768626	1250184	81435
7/2010	6 /2011	Coastal	768626	1209467	122153
7/2011	6 /2012	Coastal	768626	1168749	162871
7/2012	6 /2013	Coastal	768626	1168749	162871
7/2013	6 /2014	Coastal	768626	1168749	162871
7/2014	6 /2015	Coastal	768626	1168749	162871
7/2015	6 /2016	Coastal	768626	1168749	162871
7/2016	6 /2017	Coastal	768626	1168749	162871
7/2017	6 /2018	Coastal	768626	1168749	162871
7/2018	6 /2019	Coastal	768626	1168749	162871
7/2019	6 /2020	Coastal	768626	1168749	162871

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.

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 07/31/08 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2020	6 /2021	Coastal	768626	1168749	162871
7/2021	6 /2022	Coastal	768626	1168749	162871
7/2022	6 /2023	Coastal	768626	1168749	162871

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 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 07/31/08 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
Begin (month/year)	End				
7/2005	6 /2006	Coastal	569140	7287	
1/2006	12/2006	Coastal	0	0	
7/2005	6 /2006	Inland	0	41582	
7/2006	6 /2007	Coastal	569140	12647	
1/2007	12/2007	Coastal	0	66600	
7/2006	6 /2007	Inland	0	41582	
7/2007	6 /2008	Coastal	569140	811778	
1/2008	12/2008	Coastal	0	66600	
7/2007	6 /2008	Inland	0	41582	
7/2008	6 /2009	Coastal	569140	855778	
1/2009	12/2009	Coastal	0	66600	
7/2008	6 /2009	Inland	0	41582	
7/2009	6 /2010	Coastal	569140	855778	
1/2010	12/2010	Coastal	0	66600	
7/2009	6 /2010	Inland	0	41582	
7/2010	6 /2011	Coastal	569140	855778	
1/2011	12/2011	Coastal	0	111925	

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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#### 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 07/31/08 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
Begin (month/year)	End				
7/2010	6 /2011	Inland	0	41582	
7/2011	6 /2012	Coastal	569140	855778	
1/2012	12/2012	Coastal	0	111925	
7/2011	6 /2012	Inland	0	41582	
7/2012	6 /2013	Coastal	569140	855778	
1/2013	12/2013	Coastal	0	111925	
7/2012	6 /2013	Inland	0	41582	
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7/2014	6 /2015	Inland	0	41582	
7/2015	6 /2016	Coastal	569140	855778	
1/2016	12/2016	Coastal	0	111925	
7/2015	6 /2016	Inland	0	41582	
7/2016	6 /2017	Coastal	569140	855778	

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.
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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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.

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#### 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 07/31/08 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
Begin (month/year)	End				
1/2017	12/2017	Coastal	0	111925	
7/2016	6 /2017	Inland	0	41582	
7/2017	6 /2018	Coastal	569140	855778	
1/2018	12/2018	Coastal	0	111925	
7/2017	6 /2018	Inland	0	41582	
7/2018	6 /2019	Coastal	569140	855778	
1/2019	12/2019	Coastal	0	111925	
7/2018	6 /2019	Inland	0	41582	
7/2019	6 /2020	Coastal	569140	855778	
1/2020	12/2020	Coastal	0	111925	
7/2019	6 /2020	Inland	0	41582	
7/2020	6 /2021	Coastal	569140	855778	
1/2021	12/2021	Coastal	0	111925	
7/2020	6 /2021	Inland	0	41582	
7/2021	6 /2022	Coastal	569140	855778	
1/2022	12/2022	Coastal	0	111925	
7/2021	6 /2022	Inland	0	41582	

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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.
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### 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 07/31/08 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
Begin (month/year)	End				
7/2022	6 /2023	Coastal	569140	855778	
1/2023	12/2023	Coastal	0	111925	
7/2022	6 /2023	Inland	0	41582	

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			
7/1994	6 /1995	Coastal	3035918	0

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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Year		Zone	SOx RTC	Non-Tradable
Begin	End		Starting Allocation (pounds)	Credits(NTCs) (pounds)
7/1994	6 /1995	Coastal	1802538	270781

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**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 : FLUID CATALYTIC CRACKING</b>					P13.2
<b>System 1 : FCCU Unit 152</b>					S13.6, S15.2, S15.3, S42.1
REGENERATOR, BB-601, HEIGHT: 81 FT; DIAMETER: 34 FT 9 IN A/N:	D1	C36 C37 D44	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<p><b>CO:</b> 500 PPMV (8) [40CFR 60 Subpart J,6-24-2008] ; <b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>CO:</b> 500 PPMV (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]</p> <p><b>HAP:</b> (10) [40CFR 63 Subpart UUU, #2,4-11-2002] ; <b>NOX:</b> 20 PPMV (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]</p> <p><b>NOX:</b> 40 PPMV (5B) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005] ; <b>PM:</b> 0.5 LB(S)/1000 LBS COKE BURNOFF (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]</p> <p><b>PM:</b> 1 LB(S)/1000 LBS COKE BURNOFF (8) [40CFR 60 Subpart J,6-24-2008] ; <b>PM:</b> 30 PERCENT OPACITY (8) [40CFR 60 Subpart J,6-24-2008]</p>	A1.1, A26.3, A195.7, A195.8, A195.9, A195.10, A195.11, A195.12, A195.13, A229.1, D28.12, D29.1, D82.5, D323.5, D328.1, H23.1, H23.23, H23.25, K40.3

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

(2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
 (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
				<b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>SO2:</b> 25 PPMV (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]  <b>SO2:</b> 50 PPMV (5B) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005] ; <b>SO2:</b> 9.8 LB(S)/1000 LBS COKE BURNOFF (8) [40CFR 60 Subpart J,6-24-2008]	
COLUMN, WEST MAIN, D-2, GAS OIL, HEIGHT: 90 FT; DIAMETER: 16 FT A/N:	D2				
COLUMN, STRIPPER, D-3, CYCLE OIL, HEIGHT: 23 FT 11 IN; DIAMETER: 4 FT 1 IN A/N:	D3				
COLUMN, EAST MAIN, D-102, GAS OIL, HEIGHT: 89 FT 8 IN; DIAMETER: 14 FT 6 IN A/N:	D4				
COLUMN, STRIPPER, D-103, LT. CYCLE OIL, HEIGHT: 23 FT 11 IN; DIAMETER: 4 FT 1 IN A/N:	D5				

\* (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
COLUMN, AUXILIARY, D-601, HEIGHT: 54 FT 3 IN; DIAMETER: 19 FT 2 IN A/N:	D6				
REACTOR, DD-601, HEIGHT: 142 FT; DIAMETER: 26 FT A/N:	D7				C1.80
ACCUMULATOR, F-1, LENGTH: 25 FT; DIAMETER: 8 FT A/N:	D8				
CYCLONE, F-100, THIRD STAGE SEPARATOR, HEIGHT: 57 FT 7 IN; DIAMETER: 20 FT A/N:	D1715				D323.1, E57.1
CYCLONE, F-400, FOURTH STAGE SEPARATOR, HEIGHT: 21 FT; DIAMETER: 5 FT A/N:	D1716				D323.1, E57.1, E102.1
SETTLING TANK, F-606, HEIGHT: 34 FT 3 IN; DIAMETER: 12 FT A/N:	D11				
HOPPER, FF-601, CATALYST A/N:	D12			PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, FF-602, CATALYST A/N:	D13			PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, FF-603, CATALYST A/N:	D14			PM: (9) [RULE 405,2-7-1986]	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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FLUID CATALYTIC CRACKING</b>					P13.2
HOPPER, F-401, CATALYST FINES STORAGE A/N:	D1717			<b>PM:</b> (9) [RULE 405,2-7-1986]	D323.1
COMPRESSOR, GG-601, MAIN BLOWER, 140,000 SCFM A/N:	D15				
GENERATOR, GG-602, HOT GAS, 12 KW ELECTRIC A/N:	D1502				
COMPRESSOR, GG-703, HOT GAS A/N:	D1503				
POT, CATALYST, WITH A VENT POT, HEIGHT: 3 FT 8 IN; DIAMETER: 2 FT 1 IN A/N:	D1674			<b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	D323.3, E71.17
ACCUMULATOR, F-101, LENGTH: 20 FT; DIAMETER: 8 FT A/N:	D1691				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1565			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
<b>System 2 : FRACTIONATION SECTION, FCCU 152</b>					S4.2, S4.3, S13.6, S15.2, S15.3
COLUMN, DEETHANIZER, STRIPPER SECTION, D-650, WITH 28 TRAYS, HEIGHT: 74 FT; DIAMETER: 10 FT A/N: 468687	D1671				

\* (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
COLUMN, DEETHANIZER, ABSORBER SECTION, D-651B, WITH 32 TRAYS, HEIGHT: 71 FT; DIAMETER: 6 FT 6 IN A/N: 468687	D1672				
COLUMN, DEPENTANIZER, D-201, HEIGHT: 74 FT 11 IN; DIAMETER: 9 FT 6 IN A/N: 468687	D16				
COLUMN, DEPROPANIZER, D-203, HEIGHT: 82 FT 4 IN; DIAMETER: 6 FT 11 IN A/N: 468687	D17				
COLUMN, DEPENTANIZER, D-204, HEIGHT: 82 FT 1 IN; DIAMETER: 6 FT A/N: 468687	D18				
COLUMN, DEBUTANIZER, D-205, HEIGHT: 82 FT 5 IN; DIAMETER: 7 FT 6 IN A/N: 468687	D19				
VESSEL, D-206, POLYSULFIDE, HEIGHT: 67 FT 4 IN; DIAMETER: 10 FT A/N: 468687	D20				
ABSORBER, D-207, P.P. H2S, HEIGHT: 56 FT 3 IN; DIAMETER: 4 FT A/N: 468687	D21				

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FLUID CATALYTIC CRACKING</b>					P13.2
COLUMN, DEETHANIZER, STRIPPER SECTION, D-651A, WITH 15 TRAYS, IDLED, HEIGHT: 49 FT; DIAMETER: 11 FT 6 IN A/N: 468687	D22				
KNOCK OUT POT, F-12, HEIGHT: 16 FT; DIAMETER: 9 FT 6 IN A/N: 468687	D25				
VESSEL, RECEIVER, F-14, HEIGHT: 16 FT; DIAMETER: 7 FT A/N: 468687	D26				
VESSEL, RECEIVER, F-203, LENGTH: 22 FT; DIAMETER: 9 FT A/N: 468687	D27				
ACCUMULATOR, RECEIVER, F-204, DEPROPANIZER OVERHEAD, LENGTH: 21 FT 1 IN; DIAMETER: 6 FT 10 IN A/N: 468687	D28				
ACCUMULATOR, F-206, DEPENTANIZER OVERHEAD, LENGTH: 21 FT 1 IN; DIAMETER: 6 FT 10 IN A/N: 468687	D29				
TANK, HOLDING, F-213, TOLUENE, LENGTH: 30 FT; DIAMETER: 3 FT A/N: 468687	D30				

\* (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
VESSEL, PP/MEA SEPARATOR, F-219, LENGTH: 15 FT 1 IN; DIAMETER: 4 FT 2 IN A/N: 468687	D32				
TANK, HOLDING, F-653, DEETHANIZER FEED, LENGTH: 30 FT; DIAMETER: 12 FT A/N: 468687	D33				
TANK, SURGE, F-702, WASTE WATER, LENGTH: 11 FT 9 IN; DIAMETER: 6 FT 6 IN A/N: 468687	D34				
VESSEL, COALESCER, F-455, LENGTH: 16 FT 4 IN; DIAMETER: 60 FT A/N: 468687	D750				
ACCUMULATOR, RECEIVER, F-205, DEBUTANIZER OVERHEAD, LENGTH: 16 FT 7 IN; DIAMETER: 5 FT A/N: 468687	D35				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 468687	D1566			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.3
<b>System 3 : FCCU AIR POLLUTION CONTROL</b>					
ELECTROSTATIC PRECIPITATOR, SOUTH, BUEL ENGINEERING, SERVING FCCU 152, 3 STAGE, WITH 15-HP. BLOWER, 218 KVA A/N: 326723	C36	D1 S1372		<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #2,4-11-2002] ; <b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C12.1, E102.1

\* (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

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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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
ELECTROSTATIC PRECIPITATOR, NORTH, WESTERN PRECIPITATOR, SERVING FCCU 152, 3 STAGE, WITH 15-HP. BLOWER, 150 KVA A/N: 326723	C37	D1 S1372		<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #2,4-11-2002] ; <b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C12.1, E102.1
AMMONIA INJECTION, SERVING FCCU 152 ESP, WITH 50- KW AIR HEATER. A/N: 326723	C38				
STACK A/N: 326723	S1372	C36 C37			
<b>System 4 : HEATER</b>					
HEATER, STEAM, 152-B-602, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 29 MMBTU/HR WITH A/N: 445855  BURNER, 4 BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 29 MMBTU/HR	D39		NOX: LARGE SOURCE** ; SOX: MAJOR SOURCE**	<b>CO:</b> 400 PPMV (5A) [RULE 1146,11-17-2000] ; <b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.20, D232.1, D328.1, 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

### 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 : FLUID CATALYTIC CRACKING</b>					P13.2
STACK, COMMON TO HEATERS 152-B-201 AND 152-B-202, HEIGHT: 125 FT; DIAMETER: 9 FT 4 IN A/N: 445857	S43	D41 D42			
HEATER, FCCU STARTUP, BC-601, FUEL OIL, 87 MMBTU/HR A/N: 326730	D44	D1	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 20 LBS/1000 GAL FUEL OIL 2 (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SOX: 7.06 LBS/1000 GAL FUEL OIL 2 (1) [RULE 2011,5-6-2005]	D323.6, D328.1, E71.1
<b>System 6 : FCCU Catalyst Additives Handling</b>					S42.2
STORAGE SILO, FF-604, 200 CUBIC FEET, 5 TON CAPACITY, WITH MANUAL INJECTION VACUUM SYSTEM, CATALYST ADDITIVE, INTERCAT, MODEL 200 STYLE 4A US, WITH CYCLONE, HEIGHT: 10 FT; DIAMETER: 5 FT A/N: 459702	D1695			PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C1.66, D182.4

\* (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 (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
FILTER, S-604B, CARTRIDGE TYPE, WITH ONE FILTER CATRIDGE, 53 SQ. FT.ACTUAL FILTER AREA, U.S. FILTER/SCHMIDT, MODEL 200 STYLE IV(A), WITH PULSE JET CLEANING, OUTER DIA.: 7.9 IN; INNER DIA.: 3.6 IN, LENGTH: 1 FT 4 IN A/N: 459702	C1696				D322.3
UNLOADING STATION, BIN, WITH ONE PNEUMATIC FILL TUBE A/N: 459702	D1733				
STORAGE SILO, FF-605, 200 CUBIC FEET, 5 TON CAPACITY,, CATALYST ADDITIVE, INTERCAT, MODEL 200 STYLE 4A US, WITH CYCLONE, HEIGHT: 10 FT; DIAMETER: 5 FT A/N: 459703	D1697			<b>PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]</b>	C1.66, D182.4
FILTER, S-605B, CARTRIDGE TYPE, WITH ONE FILTER CATRIDGE, 53 SQ. FT.ACTUAL FILTER AREA, U.S. FILTER/SCHMIDT, MODEL 200 STYLE IV(A), WITH PULSE JET CLEANING, OUTER DIA.: 7.9 IN; INNER DIA.: 3.6 IN, LENGTH: 1 FT 4 IN A/N: 459703	C1698				D322.3
UNLOADING STATION, BIN, WITH ONE PNEUMATIC FILL TUBE A/N: 459703	D1734				

\* (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

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

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<b>Process 2 : HYDROTREATING</b>					P13.2
<b>System 1 : HCAT HYDROTREATER UNIT 59 (UNIFINING UNIT 59)</b>					S4.1, S13.6, S15.2, S15.3
FRACTIONATOR, D-201, HEIGHT: 62 FT; DIAMETER: 7 FT A/N: 326731	D45				
COLUMN, ABSORBER-STRIPPER, D-205, HEIGHT: 97 FT; DIAMETER: 9 FT 6 IN A/N: 326731	D46				
KNOCK OUT POT, ABSORBER-STRIPPER, F-205, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 326731	D48				
VESSEL, SEPARATOR, UNIFINER FLASH, F-204, LENGTH: 27 FT; DIAMETER: 5 FT A/N: 326731	D49				
KNOCK OUT POT, F-208, ABSORBER-STRIPPER INTERCOOLER WATER, HEIGHT: 6 FT; DIAMETER: 2 FT A/N: 326731	D50				
KNOCK OUT POT, F-209, STRIPPER WATER, HEIGHT: 6 FT; DIAMETER: 2 FT A/N: 326731	D51				
ACCUMULATOR, F-221, FRACTIONATOR OVERHEAD, LENGTH: 20 FT; DIAMETER: 6 FT A/N: 326731	D53				

\* (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 2 : HYDROTREATING</b>					P13.2
COMPRESSOR, GB-201 A, UNIFINER RECYCLE GAS A/N: 326731	D55				
COMPRESSOR, GB-201 B, UNIFINER RECYCLE GAS A/N: 326731	D56				
REACTOR, RADIAL, D-203, HEIGHT: 28 FT; DIAMETER: 7 FT 6 IN A/N: 326731	D57				
REACTOR, DOWN FLOW, D-204, HEIGHT: 28 FT; DIAMETER: 7 FT 6 IN A/N: 326731	D58				
VESSEL, SEPARATOR, 59-F-102, LENGTH: 20 FT; DIAMETER: 6 FT A/N: 327798	D182				
TANK, SURGE, 59-F-106, FUEL GAS A/N: 327798	D185				
DRUM, 59-F-112, PROPYLENE DICHLORIDE A/N: 327798	D186				
KNOCK OUT POT, 59-F-116 A/N: 327798	D187				
FILTER, 59-F-121A, PREFRACTIONATOR BOTTOMS, HEIGHT: 3 FT 10 IN; DIAMETER: 3 FT A/N: 327798	D188				

\* (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 2 : HYDROTREATING</b>					P13.2
FILTER, 59-F-121B, PREFRACTIONATOR BOTTOMS, HEIGHT: 3 FT 10 IN; DIAMETER: 3 FT A/N: 327798	D189				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 327798	D1569			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2
<b>System 2 : NAPHTHA HYDROTREATER UNIT 80 (UNIFINING UNIT 80)</b>					S13.6, S15.2, S15.9
REACTOR, NO. 1, 80D-203, HEIGHT: 19 FT 9 IN; DIAMETER: 4 FT 6 IN A/N: 417672	D59				
REACTOR, NO. 2, 80D-204, HEIGHT: 27 FT; DIAMETER: 7 FT 6 IN A/N: 417672	D60				
FRACTIONATOR, 80D-205 , HEIGHT: 56 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 417672	D61				
COLUMN, 80D-206, HYDROGEN SULFIDE STRIPPER, HEIGHT: 104 FT 6 IN; DIAMETER: 10 FT A/N: 417672	D62				
KNOCK OUT POT, 80-F-203, STRIPPER WATER, TRAY 16 OF H2S STRIPPER, LENGTH: 6 FT; DIAMETER: 2 FT A/N: 417672	D1699				
KNOCK OUT POT, 80-F-208, STRIPPER WATER, TRAY 28 OF H2S STRIPPER, LENGTH: 10 FT; DIAMETER: 2 FT A/N: 417672	D1700				

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : HYDROTREATING</b>					P13.2
COLUMN, DE-ETHANIZER, 80D-207 , HEIGHT: 112 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 417672	D63				
ACCUMULATOR, 80F-201, FRACTIONATOR OVERHEAD, LENGTH: 20 FT; DIAMETER: 7 FT A/N: 417672	D64			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
VESSEL, SEPARATOR, 80F-202, LENGTH: 28 FT; DIAMETER: 6 FT A/N: 417672	D65				
ACCUMULATOR, 80F-204, DEHEXANIZER OVERHEAD, HEIGHT: 15 FT; DIAMETER: 4 FT 6 IN A/N: 417672	D66				
TANK, FLASH, 80F-205, FOUL WATER, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 417672	D67			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
VESSEL, TREATER, CAUSTIC, 80F-209, HEIGHT: 20 FT; DIAMETER: 6 FT 6 IN A/N: 417672	D68				
KNOCK OUT POT, 80-F-212, SOUR GAS, LENGTH: 6 FT; DIAMETER: 2 FT A/N: 326735	D1505				
COMPRESSOR, BOOSTER AND RECYCLE, 80-GB-201A, RECIPROCATING A/N: 417672	D1426			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</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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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 : HYDROTREATING</b>					P13.2
COMPRESSOR, BOOSTER AND RECYCLE, 80-GB-201B, RECIPROCATING A/N: 417672	D1427			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 417672	D1571			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
<b>System 3 : MID-BARREL HYDROTREATER UNIT 89 (UNIFINING UNIT 89)</b>					S4.1, S13.6, S15.8
COLUMN, STRIPPER, D-102, HEIGHT: 62 FT 3 IN; DIAMETER: 5 FT A/N: 326735	D69				
COLUMN, SPLITTER, D-103, HEIGHT: 60 FT; DIAMETER: 5 FT 6 IN A/N: 326735	D70				
VESSEL, DRYER, D-104, TURBINE FUEL, HEIGHT: 56 FT; DIAMETER: 7 FT A/N: 326735	D71				
VESSEL, SEPARATOR, F-100, HOT, LENGTH: 18 FT; DIAMETER: 6 FT A/N: 326735	D72				
VESSEL, SEPARATOR, F-101, COLD, LENGTH: 21 FT; DIAMETER: 5 FT A/N: 326735	D73				
VESSEL, F-102, HYDROGEN SULFIDE SPLITTER OVERHEAD, LENGTH: 4 FT 6 IN; DIAMETER: 3 FT A/N: 326735	D74				

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : HYDROTREATING</b>					P13.2
VESSEL, F-103, HYDROGEN SULFIDE STRIPPER OVERHEAD, LENGTH: 3 FT 6 IN; DIAMETER: 3 FT A/N: 326735	D75				
ACCUMULATOR, F-104, SPLITTER OVERHEAD, LENGTH: 10 FT; DIAMETER: 5 FT A/N: 326735	D76				
TANK, FLASH, F-107, PROCESS WASTEWATER, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 326735	D78				
ACCUMULATOR, F-109, TURBINE FUEL DRYER OVERHEAD, LENGTH: 15 FT; DIAMETER: 5 FT A/N: 326735	D79				E336.3
REACTOR, D-101, HEIGHT: 21 FT; DIAMETER: 5 FT A/N: 326735	D80				
FILTER, F-116, CLAY, HEIGHT: 4 FT 6 IN; DIAMETER: 4 FT A/N: 326735	D1508				
FILTER, (COALESCER), F-117, HEIGHT: 4 FT 3 IN; DIAMETER: 3 FT A/N: 326735	D1509				
COMPRESSOR, GB-101, RECYCLE GAS, RECIPROCATING A/N: 326735	D1510				

\* (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 : HYDROTREATING</b>					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326735	D1573			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
<b>System 4 : DIESEL HYDROTREATER UNIT 90 (UNIFINING UNIT 90)</b>					S11.1, S13.6, S13.10, S15.2, S15.10, S31.1
TANK, SURGE, F-205, FEED, LENGTH: 24 FT; DIAMETER: 12 FT A/N:	D86				
SCRUBBER, D-302, RECYCLE GAS, HEIGHT: 46 FT 6 IN; DIAMETER: 3 FT 6 IN A/N:	D82				
COLUMN, TURBINE STOCK STRIPPER, D-205, HEIGHT: 56 FT; DIAMETER: 5 FT A/N:	D83				
VESSEL, SEPARATOR, F-201, HOT, LENGTH: 25 FT; DIAMETER: 5 FT A/N:	D84				
VESSEL, SEPARATOR, F-202, COLD, LENGTH: 21 FT; DIAMETER: 4 FT A/N:	D85				
COLUMN, H2S STRIPPER, D-202, HEIGHT: 58 FT; DIAMETER: 8 FT A/N:	D81				
ACCUMULATOR, F-206, RERUN COLUMN OVERHEAD, LENGTH: 24 FT; DIAMETER: 8 FT A/N:	D87				

\* (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 : HYDROTREATING</b>					P13.2
ACCUMULATOR, F-207, TURBINE STOCK STRIPPER, LENGTH: 12 FT; DIAMETER: 2 FT A/N:	D88				E336.3
VESSEL, SEPARATOR, F-213, HEIGHT: 4 FT; DIAMETER: 2 FT A/N:	D90				
TANK, SURGE, F-215, MERCAPTAN, LENGTH: 14 FT 3 IN; DIAMETER: 5 FT A/N:	D91				
TANK, FLASH, F-301, RICH MEA, HEIGHT: 12 FT; DIAMETER: 4 FT 6 IN A/N:	D92				
COMPRESSOR, GB-201B, RECYCLE GAS, RECIPROCATING A/N:	D93				
COMPRESSOR, GB-301, RECYCLE GAS, CENTRIFUGAL A/N:	D94				
REACTOR, D-201, HEIGHT: 35 FT 6 IN; DIAMETER: 7 FT 6 IN A/N:	D95				
COLUMN, RERUN, D-203, HEIGHT: 79 FT 6 IN; DIAMETER: 13 FT A/N:	D96				
COLUMN, SIDESTREAM STRIPPER, D-204, HEIGHT: 32 FT; DIAMETER: 6 FT 6 IN A/N:	D97				

\* (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 : HYDROTREATING</b>					P13.2
ACCUMULATOR, F-203, PRIMARY STRIPPER OVERHEAD, LENGTH: 6 FT; DIAMETER: 3 FT A/N:	D98				
ACCUMULATOR, F-204, FINAL STRIPPER OVERHEAD, LENGTH: 4 FT; DIAMETER: 3 FT A/N:	D99				
FILTER, F-216, CLAY, HEIGHT: 4 FT 6 IN; DIAMETER: 4 FT A/N:	D1511				
REACTOR, D-301, HEIGHT: 35 FT; DIAMETER: 7 FT 6 IN A/N: 424756	D1706				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1575			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2
<b>System 5 : NAPHTHA HYDROTREATER UNIT 100 (UNIFINING UNIT 100)</b>					S13.6, S15.2, S15.3
VESSEL, SEPARATOR, V-100-1, HEIGHT: 30 FT; DIAMETER: 12 FT A/N: 326683	D100				
COLUMN, UNIONFINER STRIPPER, V-100-2, HEIGHT: 75 FT 9 IN; DIAMETER: 7 FT A/N: 326683	D101				
VESSEL, SEPARATOR, V-100-3, LENGTH: 8 FT; DIAMETER: 4 FT A/N: 326683	D124				

\* (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 : HYDROTREATING</b>					P13.2
TANK, FLASH, V-100-4, WASTEWATER, LENGTH: 6 FT; DIAMETER: 2 FT A/N: 326683	D102				
TANK, SURGE, V-100-5, FEED, HEIGHT: 16 FT; DIAMETER: 6 FT A/N: 326683	D103			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
COMPRESSOR, C-100-1A, RECYCLE & MAKEUP HYDROGEN GAS, RECIPROCATING A/N: 326683	D104				
COMPRESSOR, C-100-1B, RECYCLE & MAKEUP HYDROGEN GAS, RECIPROCATING A/N: 326683	D105				
REACTOR, R-1, HEIGHT: 40 FT 2 IN; DIAMETER: 7 FT 6 IN A/N: 326683	D1512				
KNOCK OUT POT, V-100-6, HEIGHT: 6 FT; DIAMETER: 2 FT A/N: 326683	D1513				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326683	D1577			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2

\* (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

### 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 2 : HYDROTREATING</b>					P13.2
<b>System 6 : HYDROTREATING UNIT 59 HEATERS</b>					
HEATER, UNIFINER CHARGE, 59-B-201, REFINERY/NATURAL GAS, (RENAME FROM 60-B-201), WITH LOW NOX BURNER, 27 MMBTU/HR WITH A/N: 445858  BURNER, 59-B-201, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, 4 BURNERS, WITH LOW NOX BURNER, 27 MMBTU/HR	D129		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.21, D232.1, D328.1, H23.1
HEATER, REBOILER, 59-B-101, 12 BURNERS, REFINERY/NATURAL GAS, (RENAMED FROM 60-B-101), 60.2 MMBTU/HR A/N: 445859	D194		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]	A26.4, B61.4, C8.1, D12.2, D28.1, D232.1, D328.1, H23.1, K40.1

\* (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 2 : HYDROTREATING</b>					P13.2
BURNER, THREE (3) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 17 MMBTU/HR					
<b>System 9 : HYDROTREATING UNIT 90 HEATERS</b>					
HEATER, 90-B-201, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, STEAM OR WATER INJECTION, 34 MMBTU/HR WITH A/N: 445864	D144		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPM REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.26, D232.1, D328.1, H23.1
BURNER, FOUR (4) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 34 MMBTU/HR					
HEATER, RERUN FEED, 90-B-202, REFINERY/NATURAL GAS, 76 MMBTU/HR WITH A/N: 445865	D146		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]	A26.4, B61.4, C1.46, D28.5, D232.1, D328.1, 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

### 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 : HYDROTREATING</b>					P13.2
BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-17RM-SPL, 9.50 MMBTU/HR EACH, 8 TOTAL					
HEATER, 90-B-203, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 27 MMBTU/HR WITH A/N: 445866	D148		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.22, D232.1, D328.1, H23.1
BURNER, THREE (3) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 27 MMBTU/HR					
<b>System 10 : HYDROTREATING UNIT 100 HEATERS</b>					
HEATER, HYDROTREATING FEED, 100-H-1, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, STEAM OR WATER INJECTION, 38 MMBTU/HR WITH A/N: 445867	D150		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]	A26.4, B61.4, C1.27, D232.1, D328.1, 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

### 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 : HYDROTREATING</b>					P13.2
BURNER, FOUR (4) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, STEAM OR WATER INJECTION, 38 MMBTU/HR				<b>PM: 0.1 GRAINS/SCF (5)</b> <b>[RULE 409,8-7-1981] ; PM: (9)</b> <b>[RULE 404,2-7-1986]</b>	
HEATER, STRIPPER COLUMN REBOILER, 100-H-2, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 30 MMBTU/HR WITH A/N: 445868   BURNER, FOUR (4) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16M, WITH LOW NOX BURNER, 30 MMBTU/HR	D152		<b>NOX: LARGE</b> <b>SOURCE**; SOX:</b> <b>MAJOR SOURCE**</b>	<b>CO: 400 PPMV (5A) [RULE</b> <b>1146,11-17-2000] ; CO: 2000</b> <b>PPMV (5) [RULE 407,4-2-1982]</b> <b>; NOX: 37 PPMV</b> <b>REFINERY/NATURAL GAS</b> <b>(3) [RULE 2012,5-6-2005]</b>  <b>PM: 0.1 GRAINS/SCF (5)</b> <b>[RULE 409,8-7-1981] ; PM: (9)</b> <b>[RULE 404,2-7-1986]</b>	A26.4, B61.4, C1.28, D232.1, D328.1, 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  
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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 : CATALYTIC REFORMING</b>					P13.2
<b>System 1 : CATALYTIC REFORMING UNIT 80</b>					S4.1, S11.1, S13.6, S15.2, S15.3
REACTOR, NO. 1, 80D-101, (SPHERICAL TYPE), DIAMETER: 12 FT A/N: 326630	D165			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 2, 80D-102, SPHERICAL TYPE, DIAMETER: 14 FT A/N: 326630	D166			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 3, 80D-103, SPHERICAL TYPE, DIAMETER: 18 FT A/N: 326630	D167			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 4, 80D-104, SPHERICAL TYPE, DIAMETER: 18 FT A/N: 326630	D168			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
COLUMN, STABILIZER, 80D-105, HEIGHT: 100 FT 6 IN; DIAMETER: 6 FT A/N: 326630	D169			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
ACCUMULATOR, 80-F-102, LENGTH: 20 FT; DIAMETER: 5 FT A/N: 326630	D170			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
TANK, SURGE, 80-F-103, LENGTH: 20 FT; DIAMETER: 12 FT A/N: 326630	D171			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
COMPRESSOR, 80GB-101, REFORMER RECYCLE GAS A/N: 326630	D174				

\* (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 : CATALYTIC REFORMING</b>					P13.2
VESSEL, SEPARATOR, 80F-101, REFORMATE, LENGTH: 20 FT; DIAMETER: 8 FT A/N: 326630	D1515			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
TANK, 80F-151, 1,1,1-TRICHLOROETHANE A/N: 326630	D1516			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326630	D1579			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
<b>System 3 : CATALYTIC REFORMING UNIT 100</b>					S4.1, S11.1, S13.6, S15.2, S15.3
VESSEL, SEPARATOR, V-100-100, REACTOR PRODUCT, HEIGHT: 20 FT; DIAMETER: 10 FT 6 IN A/N: 326683	D106			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
COLUMN, DEBUTANIZER, V-100-101, HEIGHT: 80 FT; DIAMETER: 8 FT A/N: 326683	D107			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
COLUMN, DEPROPANIZER, V-100-106, HEIGHT: 66 FT; DIAMETER: 2 FT 6 IN A/N: 326683	D108			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
ACCUMULATOR, V-100-107, DEPROPANIZER OVERHEAD, LENGTH: 8 FT; DIAMETER: 4 FT A/N: 326683	D109			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	

\* (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.)  
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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 : CATALYTIC REFORMING</b>					P13.2
TANK, V-100-103, CHLORIDE INJECTION, HEIGHT: 5 FT; DIAMETER: 1 FT 6 IN A/N: 326683	D1514			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
COLUMN, DEHEXANIZER, V-100-108, HEIGHT: 146 FT; DIAMETER: 11 FT A/N: 326683	D110			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
TANK, WASH, V-100-113, CAUSTIC, HEIGHT: 26 FT; DIAMETER: 9 FT A/N: 326683	D111			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
VESSEL, RECEIVER, V-100-116, LENGTH: 22 FT; DIAMETER: 2 FT 6 IN A/N: 326683	D114			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 1, REFORMER, R-100-100, HEIGHT: 19 FT; DIAMETER: 5 FT 6 IN A/N: 326683	D116			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 2, REFORMER, R-100-101, HEIGHT: 22 FT 4 IN; DIAMETER: 6 FT 6 IN A/N: 326683	D117			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 3, REFORMER, R-100-102, HEIGHT: 23 FT; DIAMETER: 7 FT 6 IN A/N: 326683	D118			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
REACTOR, NO. 4, REFORMER, R-100-103, DIAMETER: 16 FT 6 IN A/N: 326683	D119			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	

\* (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

\*\* 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 3 : CATALYTIC REFORMING</b>					P13.2
REACTOR, NO. 5, REFORMER, R-100-104, DIAMETER: 19 FT 6 IN A/N: 326683	D120			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
COMPRESSOR, C-100-100, RECYCLE GAS, CENTRIFUGAL A/N: 326683	D122				
COMPRESSOR, C-100-101, REFRIGERATION, CENTRIFUGAL A/N: 326683	D123				
ACCUMULATOR, V-100-102, DEBUTANIZER OVERHEAD, LENGTH: 20 FT; DIAMETER: 5 FT 6 IN A/N: 326683	D125			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
KNOCK OUT POT, V-100-105, HEIGHT: 8 FT; DIAMETER: 3 FT A/N: 326683	D126			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
ACCUMULATOR, V-100-109, DEHEXANIZER OVERHEAD, LENGTH: 13 FT; DIAMETER: 6 FT A/N: 326683	D127			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326683	D1581			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2

\* (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

### 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 : CATALYTIC REFORMING</b>					P13.2
<b>System 4 : REFORMING UNIT 80 HEATERS</b>					
HEATER, REFORMER, 80B-101, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 116 MMBTU/HR WITH A/N: 445869  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR- 12, 3.23 MMBTU/HR EACH, 10 BURNERS,  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR- 15, 4.66 MMBTU/HR EACH, 18 BURNERS,	D135	S140 S141	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]	A26.4, B61.4, C1.41, D12.9, D28.4, D232.1, D328.1, H23.1
HEATER, REFORMER, 80B-102, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 68 MMBTU/HR WITH A/N: 445870  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR- 12, 2.4 MMBTU/HR EACH, 10 BURNERS,	D136	S140 S141	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]	A26.4, B61.4, C1.42, D12.9, D28.4, D232.1, D328.1, 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 3 : CATALYTIC REFORMING</b>					P13.2
BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 3.66 MMBTU/HR EACH, 12 BURNERS,					
HEATER, REFORMER, 80B-103, REFINERY/NATURAL GAS, 71 MMBTU/HR WITH A/N: 445872  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 3.9 MMBTU/HR EACH, 10 BURNERS,  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 5.2 MMBTU/HR EACH, 6 BURNERS,	D137	S140 S141	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]	A26.4, B61.4, C1.43, D12.9, D28.4, D232.1, D328.1, H23.1
HEATER, REFORMER, 80B-104, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 56 MMBTU/HR WITH A/N: 445873  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 5.6 MMBTU/HR EACH, 10 BURNERS,	D138	S140 S141	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]	A26.4, B61.4, C1.44, D12.9, D28.4, D232.1, D328.1, 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

### 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 : CATALYTIC REFORMING</b>					P13.2
HEATER, REFORMER, 80B-105, REFINERY/NATURAL GAS, 19 MMBTU/HR WITH A/N: 445874  BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-12, 1.9 MMBTU/HR EACH, 10 BURNERS	D139	S140 S141	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 1146,11-17-2000;RULE 407,4-2-1982] ; CO:GRAINS/SCF (5) [RULE 1146,11-17-2000;RULE 407,4-2-1982]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	A26.4, B61.4, C1.45, D12.9, D28.4, D232.1, D328.1, H23.1
STACK, SERVING REFORMER HEATERS 80B-101, 102, 103, 104, &105, HEIGHT: 125 FT; DIAMETER: 6 FT 9 IN A/N: 326633	S140	D135 D136 D137 D138 D139			
STACK, SERVING REFORMER HEATERS 80B-101, 102, 103, 104, & 105, HEIGHT: 125 FT; DIAMETER: 6 FT 9 IN A/N: 326633	S141	D135 D136 D137 D138 D139			

\* (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 : CATALYTIC REFORMING</b>					P13.2
<b>System 5 : REFORMING UNIT 100 HEATERS</b>					
HEATER, REFORMER CHARGE, 100H-100, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 110 MMBTU/HR WITH A/N: 445876  BURNER, FOURTEEN (14) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL NDR-PC-CR-18, 7.86 MMBTU/HR EACH, WITH LOW NOX BURNER	D154	S159 S160	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2.89 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; ROG: 0.58 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996]	A26.4, A305.1, B61.4, C1.57, D12.14, D28.13, D29.2, D232.1, D328.1, H23.1
HEATER, REFORMER INTERMEDIATE, 100H-101, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 100 MMBTU/HR WITH A/N: 445877	D155	S159 S160	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2.63 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; ROG: 0.53 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996]	A26.4, A305.1, B61.4, C1.58, D12.14, D28.13, D29.2, D232.1, D328.1, 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

### 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 3 : CATALYTIC REFORMING</b>					P13.2
BURNER, FOURTEEN (14) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL NDR-PC-CR-18, 7.14 MMBTU/HR EACH, WITH LOW NOX BURNER					
HEATER, REFORMER INTERMEDIATE, 100H-102, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 70 MMBTU/HR WITH A/N: 445878	D156	S159 S160	NOX: MAJOR SOURCE** ; SOX: MAJOR SOURCE**	CO: 1.84 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; ROG: 0.37 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996]	A26.4, A305.1, B61.4, C1.59, D12.14, D28.13, D29.2, D232.1, D328.1, H23.1
BURNER, NINE (9) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL NDR-PC-CR-18, 7.78 MMBTU/HR EACH, WITH LOW NOX BURNER					
HEATER, REFORMER INTERMEDIATE, 100H-103, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 42 MMBTU/HR WITH A/N: 445879	D157	S159 S160	NOX: MAJOR SOURCE** ; SOX: MAJOR SOURCE**	CO: 1.11 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: (9) [RULE 404,2-7-1986]	A26.4, A305.1, B61.4, C1.60, D12.14, D28.13, D232.1, D328.1, 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

### 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 : CATALYTIC REFORMING</b>					P13.2
BURNER, FIVE (5) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL NDR-PC-CR-18, 8.40 MMBTU/HR EACH, WITH LOW NOX BURNER				<b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>ROG:</b> 0.22 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996]	
HEATER, REFORMER INTERMEDIATE, 100H-104, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 24 MMBTU/HR WITH A/N: 445880	D158	S159 S160	NOX: MAJOR SOURCE** ; SOX: MAJOR SOURCE**	<b>CO:</b> 0.63 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; <b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>CO:</b> 400 PPMV (5A) [RULE 1146,11-17-2000]	A26.4, A305.1, B61.4, C1.61, D12.14, D28.13, D232.1, D328.1, H23.1
BURNER, THREE (3) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL NDR-PC-CR-18, 8.00 MMBTU/HR EACH, WITH LOW NOX BURNER				<b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>ROG:</b> 0.13 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996]	

\* (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 3 : CATALYTIC REFORMING</b>					P13.2
HEATER, 100-H-107, STEAM SUPERHEATER, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 14 MMBTU/HR WITH A/N: 445882  BURNER, THREE (3), REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 14 MMBTU/HR	D163		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.34, D232.1, D328.1, H23.1
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
<b>System 1 : HYDROGEN GENERATION UNIT 120</b>					S2.1, S13.5, S13.6, S15.2, S15.3
ABSORBER, D-101, HYDROGEN SULFIDE, HEIGHT: 51 FT 4 IN; DIAMETER: 3 FT 6 IN A/N: 338488	D198				
SCRUBBER, CAUSTIC, D-102, HEIGHT: 73 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 338488	D199	C748			

\* (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 4 : HYDROGEN PRODUCTION</b>					P13.2
VESSEL, HYDROGENATOR, D-103, HEIGHT: 16 FT 6 IN; DIAMETER: 9 FT A/N: 338488	D200	C748			
VESSEL, TREATER, ZNO, D-104, HEIGHT: 19 FT 6 IN; DIAMETER: 9 FT A/N: 338488	D201				
VESSEL, FIRST STAGE SHIFT CONVERTER,D-105A, HEIGHT: 13 FT; DIAMETER: 12 FT A/N: 338488	D202				
VESSEL, SECOND STAGE SHIFT CONVERTER, D-105B1, SECTION 1, HEIGHT: 17 FT 6 IN; DIAMETER: 12 FT A/N: 338488	D203				
VESSEL, SECOND STAGE SHIFT CONVERTER, D-105B2, SECTION 2, HEIGHT: 14 FT 7 IN; DIAMETER: 12 FT A/N: 338488	D204				
ABSORBER, CARBON DIOXIDE, D- 106, HEIGHT: 65 FT; DIAMETER: 10 FT A/N: 338488	D205				
COLUMN, CARBON DIOXIDE STRIPPER, D-107, HEIGHT: 53 FT; DIAMETER: 14 FT 1 IN A/N: 338488	D206				

\* (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

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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
COLUMN, METHANATOR, D-108, HEIGHT: 14 FT; DIAMETER: 8 FT A/N: 338488	D207				
VESSEL, SEPARATOR, HIGH TEMPERATURE, F-102, HEIGHT: 14 FT 1 IN; DIAMETER: 4 FT 6 IN A/N: 338488	D208				
VESSEL, SEPARATOR, LOW TEMPERATURE, F-103, HEIGHT: 9 FT; DIAMETER: 4 FT 6 IN A/N: 338488	D209				
VESSEL, DEAERATOR, F-106, LENGTH: 20 FT; DIAMETER: 9 FT A/N: 338488	D210				
FILTER, F-107, HEIGHT: 6 FT 6 IN; DIAMETER: 5 FT A/N: 338488	D211				
POT, MEA DRIPS, F-110, LENGTH: 8 FT; DIAMETER: 2 FT A/N: 338488	D213				
VESSEL, DEGASIFIER, F-111, HEIGHT: 10 FT; DIAMETER: 6 FT A/N: 338488	D214			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, F-113, HEIGHT: 16 FT; DIAMETER: 15 FT A/N: 338488	D215				
KNOCK OUT POT, F-114, SOUR GAS, HEIGHT: 6 FT; DIAMETER: 2 FT 6 IN A/N: 338488	D216				

\* (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
TANK, FLASH, F-117, CAUSTIC, HEIGHT: 6 FT; DIAMETER: 1 FT A/N: 338488	D217			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	
ACCUMULATOR, RECEIVER, F-105, STRIPPER REFLUX, HEIGHT: 12 FT; DIAMETER: 4 FT 6 IN A/N: 338488	D219				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 338488	D1583				H23.2
<b>System 3 : HYDROGEN GENERATION UNIT 120 HEATERS</b>					
HEATER, REFORMING, 119-B-101, REFINERY/NATURAL GAS, WITH 608 SELAS K948 RADIANT CUP GAS BURNERS, 350 MMBTU/HR A/N: 445885	D220	C221	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.35, D28.11, D232.1, D328.1, E54.2, H23.1
SELECTIVE CATALYTIC REDUCTION, ISHIKAWAJIMA-HARIMA INDUSTRIES, HONEYCOMB TYPE, 280 CUBIC FEET WITH AMMONIA INJECTION A/N: 326658	C221	D220		<b>NH3:</b> 20 PPMV (4) [RULE 3004(a)(4)-Periodic Monitoring,12-12-1997]	D28.17

\* (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

### 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 : HYDROCRACKING</b>					P13.2
<b>System 1 : HYDROCRACKING UNIT 120</b>					S4.1, S11.1, S13.6, S15.2, S15.9
REACTOR, 120-D-201, HEIGHT: 101 FT 4 IN; DIAMETER: 12 FT A/N: 326660	D222				
REACTOR, 120-D-202, HEIGHT: 78 FT 2 IN; DIAMETER: 11 FT 5 IN A/N: 326660	D223				
REACTOR, 120-D-203, HEIGHT: 88 FT 7 IN; DIAMETER: 10 FT 7 IN A/N: 326660	D224				
KNOCK OUT POT, 120-D-204, HEIGHT: 30 FT; DIAMETER: 7 FT A/N: 326660	D225				
COLUMN, 120-D-205, HEIGHT: 34 FT; DIAMETER: 8 FT 6 IN A/N: 326660	D226			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
FRACTIONATOR, 120-D-206, HEIGHT: 130 FT; DIAMETER: 12 FT A/N: 326660	D227				
COLUMN, 120-D-207, HEIGHT: 40 FT; DIAMETER: 7 FT A/N: 326660	D228				
COLUMN, 120-D-208, HEIGHT: 30 FT; DIAMETER: 7 FT A/N: 326660	D229				
ABSORBER, 120-D-209, HEIGHT: 50 FT; DIAMETER: 3 FT 6 IN A/N: 326660	D230				

\* (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 : HYDROCRACKING</b>					P13.2
COLUMN, DEBUTANIZER, 120-D-210, HEIGHT: 103 FT; DIAMETER: 9 FT A/N: 326660	D231				
COLUMN, DEPROPANIZER, 120-D-211, HEIGHT: 106 FT; DIAMETER: 7 FT 6 IN A/N: 326660	D232				
TANK, 120-F-201, FRESH FEED, HEIGHT: 40 FT; DIAMETER: 15 FT A/N: 326660	D233				
VESSEL, SEPARATOR, HIGH PRESSURE, 120-F-202, LENGTH: 16 FT; DIAMETER: 5 FT A/N: 326660	D234				
TANK, FLASH, LOW PRESSURE, 120-F-204, LENGTH: 26 FT; DIAMETER: 6 FT A/N: 326660	D235				
ACCUMULATOR, 120-F-207, FRACTIONATOR REFLUX, LENGTH: 24 FT; DIAMETER: 7 FT A/N: 326660	D236				
ACCUMULATOR, 120-F-208, FRACTIONATOR PRODUCT, LENGTH: 24 FT; DIAMETER: 7 FT A/N:	D237				
ABSORBER, 120-F-209, LENGTH: 15 FT; DIAMETER: 5 FT A/N: 326660	D238				

\* (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 : HYDROCRACKING</b>					P13.2
VESSEL, 120-F-210, LEAN OIL, HEIGHT: 20 FT; DIAMETER: 3 FT A/N: 326660	D239				
ACCUMULATOR, 120-F-211, DEBUTANIZER OVERHEAD, LENGTH: 24 FT; DIAMETER: 6 FT A/N: 326660	D240				
ACCUMULATOR, 120-F-212, DEPROPANIZER OVERHEAD, LENGTH: 18 FT; DIAMETER: 5 FT 6 IN A/N: 326660	D241				
TANK, FLASH, 120-F-215, FOUL WATER, LENGTH: 15 FT; DIAMETER: 4 FT 6 IN A/N: 326660	D242			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, SURGE, 120-F-219, OIL, HEIGHT: 40 FT; DIAMETER: 15 FT A/N: 326660	D245				
KNOCK OUT POT, 120-F-222, MAKE- UP HYDROGEN, HEIGHT: 14 FT; DIAMETER: 2 FT A/N: 326660	D246				
KNOCK OUT POT, 120-F-223, LOW PRESSURE SOUR GAS, HEIGHT: 14 FT; DIAMETER: 2 FT A/N: 326660	D247				
COMPRESSOR, 120-GB-201, RECYCLE GAS, CENTRIFUGAL A/N: 326660	D249				

\* (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 : HYDROCRACKING</b>					P13.2
COMPRESSOR, 120-GB-203A, HYDROGEN MAKEUP GAS, RECIPROCATING A/N: 326660	D250				
COMPRESSOR, 120-GB-203B, HYDROGEN MAKEUP GAS, RECIPROCATING A/N: 326660	D251				
COMPRESSOR, 120-GB-203C, HYDROGEN MAKEUP GAS, RECIPROCATING A/N: 326660	D252				
COMPRESSOR, 120-GB-204C, RECIPROCATING A/N: 326660	D253				H23.3
VESSEL, COALESCER, 120-F-213A, HEIGHT: 7 FT; DIAMETER: 3 FT A/N: 326660	D254				
VESSEL, COALESCER, 120-F-213B, HEIGHT: 7 FT; DIAMETER: 3 FT A/N: 326660	D255				
VESSEL, SEPARATOR, 120-F-268, HYDROTREATER SAMPLE A/N: 326660	D256				
VESSEL, SEPARATOR, 120-F-120, E- 114 OVERHEAD A/N: 326660	D1517				
KNOCK OUT POT, 120-F-121 A/N: 326660	D1518				

\* (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 : HYDROCRACKING</b>					P13.2
FILTER, F-203-A, LCCO FEED, HEIGHT: 7 FT; DIAMETER: 3 FT A/N: 326660	D1519				
FILTER, F-203-B, GAS OIL FEED, HEIGHT: 7 FT; DIAMETER: 3 FT A/N: 326660	D1520				
ABSORBER, F-225, CHLORIDE A/N: 326660	D1521				
COMPRESSOR, GB-204A, D-206 OVERHEAD GAS TO F-209 A/N: 326660	D1522				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326660	D1587			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2, I1.1
<b>System 2 : HYDROCRACKING UNIT 120 HEATERS</b>					
HEATER, HYDROCRACKING RECYCLE GAS, 120-B-201, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 39 MMBTU/HR WITH A/N: 445887	D259	S261	NOX: LARGE SOURCE** ; SOX: MAJOR SOURCE**	<b>CO:</b> 400 PPMV (5A) [RULE 1146,11-17-2000] ; <b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.36, D232.1, D328.1, 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

### 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 : HYDROCRACKING</b>					P13.2
BURNER, FOUR (4) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16M, WITH LOW NOX BURNER, 39 MMBTU/HR					
HEATER, HYDROCRACKING RECYCLE GAS, 120-B-202, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 17 MMBTU/HR WITH A/N: 445889	D260	S261	NOX: LARGE SOURCE** ; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A26.4, B61.4, C1.25, D232.1, D328.1, H23.1
BURNER, FOUR (4) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 17 MMBTU/HR					
STACK, COMMON TO HEATERS B-201 AND B-202, HEIGHT: 130 FT; DIAMETER: 3 FT 11 IN A/N: 445889	S261	D259 D260			

\* (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

### 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 : HYDROCRACKING</b>					P13.2
HEATER, HYDROCRACKING RECYCLE GAS, 120-B-203, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 37 MMBTU/HR WITH A/N: 445892  BURNER, FOUR (4) BURNERS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PNDR-16, WITH LOW NOX BURNER, 37 MMBTU/HR	D262		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	<b>CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]</b>  <b>PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]</b>	A26.4, B61.4, C1.37, D232.1, D328.1, H23.1
HEATER, 120-B-204, REBOILER, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 135 MMBTU/HR WITH A/N: 445893  BURNER, 10 BURNERS, NATURAL GAS, REFINERY GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CSG-10W, WITH LOW NOX BURNER	D264		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>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]</b>	A26.4, B61.4, C1.40, D232.1, D328.1, 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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### 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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
<b>System 1 : ALKYLATION UNIT 110</b>					S4.2, S4.4, S11.1, S13.6, S15.2, S15.3
COLUMN, DE-ISO-BUTANIZER, D-1, HEIGHT: 143 FT 6 IN; DIAMETER: 14 FT A/N:	D267				
COLUMN, DE-PROPANIZER, D-2, HEIGHT: 71 FT; DIAMETER: 5 FT 6 IN A/N:	D268				
COLUMN, DEBUTANIZER, D-3, HEIGHT: 71 FT 6 IN; DIAMETER: 8 FT 6 IN A/N:	D269				
FRACTIONATOR, D-4, HEIGHT: 47 FT; DIAMETER: 6 FT 6 IN A/N:	D270				
COLUMN, DEPENTANIZER, D-5, HEIGHT: 47 FT; DIAMETER: 5 FT 6 IN A/N:	D271				
VESSEL, CAUSTIC CONTACTOR, D-6, HEIGHT: 47 FT; DIAMETER: 4 FT 6 IN A/N:	D272				
COLUMN, BUTENES EXTRACTOR, D-201, HEIGHT: 49 FT 2 IN; DIAMETER: 4 FT 6 IN A/N:	D273				
COLUMN, OXIDIZER, D-203, HEIGHT: 32 FT 9 IN; DIAMETER: 3 FT 6 IN A/N:	D274				

\* (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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
COLUMN, INTERNAL DEPROPANIZER, D-212, HEIGHT: 108 FT 4 IN; DIAMETER: 5 FT 6 IN A/N:	D275				
VESSEL, CONTACTOR, ED-211A, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N:	D276				
VESSEL, CONTACTOR, ED-211B, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N:	D277				
VESSEL, CONTACTOR, ED-211C, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N:	D278				
VESSEL, CONTACTOR, ED-211D, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N:	D279				
VESSEL, CONTACTOR, ED-211E, LENGTH: 45 FT 6 IN; DIAMETER: 7 FT 8 IN A/N:	D280				
VESSEL, CONTACTOR, ED-211F, LENGTH: 45 FT 6 IN; DIAMETER: 7 FT 8 IN A/N:	D281				

\* (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

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
ACCUMULATOR, F1, DEISOBUTANIZER REFLUX, LENGTH: 20 FT; DIAMETER: 8 FT A/N:	D282				
ACCUMULATOR, F2, EXTERNAL DEPROPANIZER REFLUX, LENGTH: 16 FT; DIAMETER: 4 FT 6 IN A/N:	D283				
ACCUMULATOR, F3, DEBUTANIZER REFLUX, LENGTH: 20 FT; DIAMETER: 8 FT A/N:	D284				
ACCUMULATOR, F4, ALKYLATE FRACTIONATOR REFLUX, LENGTH: 16 FT; DIAMETER: 4 FT 6 IN A/N:	D285				
ACCUMULATOR, F5, DEPENTANIZER REFLUX, LENGTH: 16 FT; DIAMETER: 5 FT 6 IN A/N:	D286				
TANK, SURGE, F-6, SPENT ACID, LENGTH: 66 FT; DIAMETER: 12 FT A/N:	D287				
TANK, WASH, B-B CAUSTIC, F-8, LENGTH: 19 FT; DIAMETER: 5 FT A/N:	D288				
TANK, WASH, F9, B-B WATER, LENGTH: 26 FT; DIAMETER: 5 FT A/N:	D289				

\* (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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<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
TANK, F10, MIXED C4 FEED, LENGTH: 66 FT; DIAMETER: 12 FT A/N:	D290				
TANK, SURGE, F-11, ISOBUTANE, LENGTH: 40 FT; DIAMETER: 12 FT A/N:	D291				
DRUM, BLOWDOWN, F-12, ACID, LENGTH: 15 FT; DIAMETER: 5 FT A/N:	D292				
TANK, WASH, F-15, ACID, LENGTH: 66 FT 6 IN; DIAMETER: 12 FT A/N:	D293				
TANK, WASH, F-16, CAUSTIC, LENGTH: 34 FT 2 IN; DIAMETER: 8 FT A/N:	D294				
TANK, WASH, F-17, ALKYL WATER, LENGTH: 52 FT; DIAMETER: 12 FT A/N:	D295				
DRUM, BLOWDOWN, F-19, ACID, LENGTH: 45 FT 2 IN; DIAMETER: 10 FT A/N:	D296				
DRUM, BLOWDOWN, F-29, CAUSTIC, LENGTH: 24 FT; DIAMETER: 6 FT A/N:	D298				

\* (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

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<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
SETTLING TANK, F-30, CAUSTIC, LENGTH: 9 FT 6 IN; DIAMETER: 4 FT 6 IN A/N:	D299				
DRUM, HOLDING, BLOWDOWN, F-31, SPENT WATER BLOWDOWN, LENGTH: 25 FT 1 IN; DIAMETER: 6 FT A/N:	D300				
DRYER, F-32A, DIAMETER: 3 FT; LENGTH: 20 FT A/N:	D301				
DRYER, F-32B, DIAMETER: 3 FT; LENGTH: 20 FT A/N:	D302				
TANK, SURGE, F-101, BUTENE FEED, LENGTH: 60 FT; DIAMETER: 12 FT A/N:	D303				
TANK, SURGE, F-103A, BUTANE, LENGTH: 27 FT 8 IN; DIAMETER: 4 FT 6 IN A/N:	D304				
TANK, SURGE, F-103B, BUTANE, LENGTH: 27 FT 8 IN; DIAMETER: 4 FT 6 IN A/N:	D305				
TANK, WASH, F-200, BUTENE, LENGTH: 20 FT; DIAMETER: 6 FT A/N:	D306				

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 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
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<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
SETTLING TANK, F-201, BUTENE, LENGTH: 20 FT; DIAMETER: 5 FT A/N:	D307				
VESSEL, SEPARATOR, F-203, DISULFIDE, LENGTH: 26 FT; DIAMETER: 5 FT A/N:	D308	D329		<b>HAP: (10) [40CFR 63 Subpart CC, #1,5-25-2001]</b>	
POT, CATALYST ADDITION, F-204, LENGTH: 3 FT; DIAMETER: 2 FT A/N:	D309				
DRYER, F-211, CONTACTOR FEED A/N:	D310				
SETTLING TANK, F-212A, ACID, LENGTH: 70 FT; DIAMETER: 15 FT A/N:	D311				
SETTLING TANK, F-212B, ACID, LENGTH: 70 FT; DIAMETER: 15 FT A/N:	D312				
SETTLING TANK, F-212C, ACID, LENGTH: 70 FT; DIAMETER: 15 FT A/N:	D313				
DRUM, SYSTEM TRAP AND SUCTION, F-213, LENGTH: 33 FT; DIAMETER: 13 FT A/N:	D314				
DRUM, FIRST STAGE ECONOMIZER, F-214, LENGTH: 13 FT 8 IN; DIAMETER: 5 FT 6 IN A/N:	D315				

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<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
VESSEL, SECOND STAGE ECONOMIZER, F-215, LENGTH: 13 FT 8 IN; DIAMETER: 6 FT A/N:	D316				
POT, DRAIN, F-216, ACID, LENGTH: 2 FT; DIAMETER: 2 FT A/N:	D317				
DRUM, FOURTH STAGE ECONOMIZER, F-217, LENGTH: 11 FT; DIAMETER: 6 FT A/N:	D318				
TANK, HOLDING, F-218, INTERNAL DEPROPANIZER FEED, LENGTH: 15 FT; DIAMETER: 7 FT A/N:	D319				
ACCUMULATOR, F-219, INTERNAL DEPROPANIZER REFLUX, LENGTH: 14 FT; DIAMETER: 5 FT A/N:	D320				
VESSEL, COALESCER, F-224, INTERNAL DEPROPANIZER FEED, LENGTH: 8 FT; DIAMETER: 2 FT A/N:	D321				
TANK, WASH, F-220, PROPANE CAUSTIC, LENGTH: 24 FT; DIAMETER: 2 FT A/N:	D322				

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 (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 : ALKYLATION AND POLYMERIZATION</b>					P13.2
TANK, WASH, CAUSTIC, F-223, DEPROPANIZER FEED, LENGTH: 15 FT; DIAMETER: 7 FT A/N:	D323				
COMPRESSOR, GB-213, REFRIGERANT A/N:	D324				
FILTER, F-4B, LENGTH: 10 FT; DIAMETER: 2 FT A/N:	D325				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1589				H23.2
<b>System 2 : ALKYLATION UNIT 110 HEATER</b>					
HEATER, STEAM, B-211, C3/C4 MEROX OFF GAS, PROCESS GAS, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 28.5 MMBTU/HR WITH A/N: 445894	D329	D308	NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 37 PPMV REFINERY/NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A26.4, B61.4, D28.11, D232.1, D328.1, H23.1

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 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
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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 : ALKYLATION AND POLYMERIZATION</b>					P13.2
BURNER, THREE (3) BURNERS, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSFR-16M, WITH LOW NOX BURNER, 25 MMBTU/HR					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 445894	D1590			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
<b>System 1 : CONTACT SULFURIC ACID PRODUCTION PLANT UNIT 141</b>					S1.1, S15.14, S18.6
BOILER, WASTE HEAT, BIGELOW, 5B-101, UNFIRED A/N:	D331				
REACTOR, COMBUSTION CHAMBER, 5B-104, PROCESS GAS, REFINERY/NATURAL GAS, 15 MMBTU/HR A/N:	D333		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>H2SO4 MIST:</b> 0.3 LB(S) PER TON OF H2SO4 PRODUCED (5) [RULE 469,5-7-1976;RULE 469,2-13-1981]  <b>H2SO4 MIST:</b> 0.5 LB(S) PER TON OF H2SO4 PRODUCED (8) [40CFR 60 Subpart Cd,12-19-1995] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D323.4, D328.1

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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
				PM: (9) [RULE 404,2-7-1986]	
MIST ELIMINATOR, RESEARCH COTTRELL, 5D-101, 34 KVA, LENGTH: 15 FT; DIAMETER: 13 FT A/N:	D334				
ABSORBER, H2SO4 CONTACTOR, MONSANTO, 5D-102, ACID, HEIGHT: 29 FT 4 IN; DIAMETER: 11 FT 8 IN A/N:	D335				
DRYER, D-145, ACID, HEIGHT: 27 FT; DIAMETER: 15 FT 4 IN A/N:	D336				
COLUMN, STRIPPER, 5D-104, HEIGHT: 22 FT; DIAMETER: 5 FT 6 IN A/N:	D337				
VESSEL, CONVERTER, 5D-105, HEIGHT: 34 FT; DIAMETER: 17 FT A/N:	D338				
TOWER, HUMIDIFIER, 5D-106, HEIGHT: 23 FT 6 IN; DIAMETER: 9 FT 6 IN A/N:	D339				
COLUMN, EFFLUENT STRIPPER, 5D-107, HEIGHT: 12 FT; DIAMETER: 2 FT A/N:	D340				
MIST ELIMINATOR, BRINK, 5D-109 A/N:	C341	D342 D343 D344 D1523			

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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
TANK, HOLDING, 5F-202, ABSORBING ACID, HEIGHT: 7 FT; DIAMETER: 17 FT 6 IN A/N:	D342	C341			
TANK, 5F-102, ACID, HEIGHT: 7 FT; DIAMETER: 17 FT 6 IN A/N:	D343	C341			
TANK, 5F-103, WEAK ACID, HEIGHT: 7 FT; DIAMETER: 5 FT 6 IN A/N:	D1523	C341			
TANK, 5F-104, WEAK ACID, HEIGHT: 6 FT; DIAMETER: 8 FT A/N:	D344	C341			
ACCUMULATOR, F-119, EFFLUENT STRIPPER OVERHEAD, HEIGHT: 5 FT; DIAMETER: 4 FT A/N:	D348				
POT, F-145, EMERGENCY SEAL, WIDTH: 2 FT 10 IN; HEIGHT: 4 FT 3 IN; LENGTH: 5 FT 4 IN A/N:	D349				
MIST ELIMINATOR, EDUCATOR, 20 GPM, HEIGHT: 5 FT; DIAMETER: 4 FT A/N:	D350				
INJECTOR, COMBUSTION CHAMBER, NO. 1, ACID GAS A/N:	D1402				
INJECTOR, COMBUSTION CHAMBER, NO. 2, ACID GAS A/N:	D1403				

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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
INJECTOR, COMBUSTION CHAMBER, ME-105A, SULFUR A/N:	D1404				
INJECTOR, COMBUSTION CHAMBER, ME-104A, SPENT ACID (ALKYLATION ACID) A/N:	D1406				
INJECTOR, COMBUSTION CHAMBER, ME-104B, SPENT ACID (ALKYLATION ACID) A/N:	D1407				
INJECTOR, COMBUSTION CHAMBER, ME-106A, WEAK ACID A/N:	D1408				
INJECTOR, COMBUSTION CHAMBER, ME-106B, WEAK ACID A/N:	D1409				
PIT, 5F-313, SULFUR, WIDTH: 17 FT 4 IN; DEPTH: 7 FT; LENGTH: 22 FT 8 IN A/N:	D1525			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	E336.1
SCRUBBER, 40-F-140, PRIMARY RESERVE JET, HEIGHT: 18 FT 4 IN; DIAMETER: 9 FT A/N:	D1547				
SCRUBBER, 40-F-142, FINAL RESERVE JET, HEIGHT: 12 FT 10 IN; DIAMETER: 7 FT A/N:	D1548				

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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1591				H23.2
<b>System 2 : H2SO4 STORAGE</b>					
STORAGE TANK, FIXED ROOF, 5F-110, SULFURIC ACID, 625 BBL; DIAMETER: 14 FT; HEIGHT: 24 FT 3 IN A/N: 326675	D355				
<b>System 3 : CANSOLV SOx Scrubbing (W/AMMSOX as Backup System) for H2SO4 Plant</b>					S18.7
SCRUBBER, CHEMICAL, SO2, 5B-120, HEIGHT: 33 FT 9 IN; DIAMETER: 10 FT A/N:	D352				
MIST ELIMINATOR, 5F-115, WIDTH: 7 FT 8 IN; HEIGHT: 15 FT; LENGTH: 24 FT 2 IN A/N:	C353				
COLUMN, SO2 STRIPPING, D-121, HEIGHT: 30 FT 6 IN; DIAMETER: 2 FT A/N:	D354				
<b>System 5 : SPENT SULFURIC ACID STORAGE</b>					
STORAGE TANK, FIXED ROOF, 5F-301, SPENT SULFURIC ACID, WITH GAS BLANKET, 4030 BBL; DIAMETER: 30 FT; HEIGHT: 32 FT A/N:	D1386			<b>SO2: 500 PPMV (5) [RULE 407,4-2-1982] ; VOC: 500 PPMV (5) [RULE 1303(a)(1)-BACT,5-10-1996]</b>	E336.2

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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
<b>System 6 : SULFURIC ACID PRODUCTION PLANT UNIT 141 HEATER</b>					
HEATER, STARTUP, 141-B-102, NATURAL GAS, 15 MMBTU/HR A/N: 334428	D332		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146,11-17-2000] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 190 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	C1.16, D328.1
<b>Process 8 : BLENDING</b>					P13.2
<b>System 1 : GASOLINE BLENDING</b>					S13.6, S15.2, S15.3
BLENDER, IN LINE A/N: 326680	D803				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326680	D1596			HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
<b>System 2 : MID-BARREL BLENDING</b>					S15.2, S15.3
BLENDER, IN LINE A/N: 326681	D1360				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326681	D1597			HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2

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<b>Process 9 : TREATING/STRIPPING</b>					P13.2
<b>System 1 : GASOLINE TREATING UNIT 85</b>					S13.6, S15.13, S15.16
FRACTIONATOR, D-10, METHANOL, HEIGHT: 54 FT; DIAMETER: 4 FT A/N: 326203	D372				
VESSEL, EXTRACTOR, D-11, THERMAL MERCAPTAN, HEIGHT: 77 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 326203	D373				
REGENERATOR, CAUSTIC, D-12, HEIGHT: 58 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 326203	D374				
SCRUBBER, D-100, METHANOL COLUMN FEED, HEIGHT: 28 FT; DIAMETER: 3 FT A/N: 326203	D375				
VESSEL, EXTRACTOR, D- 111, CATALYTIC MERCAPTAN, HEIGHT: 71 FT 6 IN; DIAMETER: 6 FT A/N: 326203	D376				
TANK, HOLDING, F-10, REJECT CAUSTIC, LENGTH: 23 FT; DIAMETER: 7 FT A/N: 326203	D377				
TANK, WASH, F-11, THERMAL FEED WATER, HEIGHT: 16 FT; DIAMETER: 5 FT 10 IN A/N: 326203	D378				

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<b>Process 9 : TREATING/STRIPPING</b>					P13.2
STORAGE TANK, FIXED ROOF, F-12, CAUSTIC STORAGE, CONE ROOF, HEIGHT: 12 FT; DIAMETER: 12 FT A/N: 326203	D379				
SETTLING TANK, F-13, THERMAL TREATED FEED, LENGTH: 20 FT; DIAMETER: 5 FT A/N: 326203	D380				
TANK, WASH, F-14, THERMAL FEED FINAL WATER, THERMAL FEED FINAL WATER, LENGTH: 20 FT; DIAMETER: 5 FT A/N: 326203	D381				
VESSEL, SEPARATOR, F-15, MERCAPTAN SEPARATOR, LENGTH: 20 FT; DIAMETER: 5 FT 6 IN A/N: 326203	D382				
ACCUMULATOR, F-16, METHANOL FRACTIONATOR REFLUX, LENGTH: 10 FT; DIAMETER: 4 FT 6 IN A/N: 326203	D383				
TANK, WASH, F-111, CATALYTIC FEED WATER, LENGTH: 16 FT; DIAMETER: 6 FT A/N: 326203	D385				
SETTLING TANK, F-113, CATALYTIC TREATED FEED, LENGTH: 20 FT; DIAMETER: 6 FT A/N: 326203	D386				

\* (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 9 : TREATING/STRIPPING</b>					P13.2
TANK, WASH, F-120, CATALYTIC FEED FINAL WATER, HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 326203	D387				
STORAGE TANK, FIXED ROOF, F-222, METHANOL, LENGTH: 34 FT; DIAMETER: 8 FT A/N: 326203	D388				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326203	D1599				H23.2
<b>System 3 : FUEL GAS TREATING (H2S ABSORPTION UNIT 110E)</b>					S13.6, S15.16, S18.4
ABSORBER, 110E-D-101, HYDROGEN SULFIDE, HEIGHT: 61 FT 2 IN; DIAMETER: 6 FT A/N: 326204	D389				
ABSORBER, 110E-D-102, HYDROGEN SULFIDE, HEIGHT: 53 FT; DIAMETER: 6 FT A/N: 326204	D390				
ABSORBER, 110E-D-103, HYDROGEN SULFIDE, HEIGHT: 61 FT 9 IN; DIAMETER: 6 FT A/N: 326204	D391				
VESSEL, SEPARATOR, LIQUID/GAS, 110F-8, HEIGHT: 5 FT 8 IN; DIAMETER: 1 FT 8 IN A/N: 326204	D392				

\* (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 9 : TREATING/STRIPPING</b>					P13.2
TANK, BLENDING, F-106, FUEL GAS, HEIGHT: 20 FT; DIAMETER: 10 FT A/N: 326204	D393				
KNOCK OUT POT, F-103, H2S ABSORBER FEED-GAS, HEIGHT: 18 FT; DIAMETER: 6 FT A/N: 326204	D394				
KNOCK OUT POT, F-104, H2S ABSORBER FEED-GAS, HEIGHT: 18 FT; DIAMETER: 6 FT A/N: 326204	D395				
COMPRESSOR, GB-1, WASTE-GAS (UNIT 27), 2 STAGES A/N: 326204	D396	D729			
KNOCK OUT POT, F-101, H2S ABSORBER FEED GAS, HEIGHT: 18 FT; DIAMETER: 6 FT A/N: 326204	D397				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326204	D1600				H23.2
<b>System 4 : AMINE STRIPPING UNIT 138</b>					S13.6, S15.11, S15.16
REACTOR, REACTIVATOR, D-1, HEIGHT: 50 FT; DIAMETER: 7 FT A/N:	D398				
REACTOR, REACTIVATOR, NO. 2, D-301, HEIGHT: 52 FT; DIAMETER: 8 FT 6 IN A/N:	D399				

\* (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 9 : TREATING/STRIPPING</b>					P13.2
ACCUMULATOR, F-1, NO. 1 REGENERATOR REFLUX, HEIGHT: 10 FT; DIAMETER: 3 FT A/N:	D400				
TANK, SURGE, F-4, SCRUBBING SOLUTION, 2175 BBL; DIAMETER: 30 FT; HEIGHT: 18 FT WITH A/N:  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D401				
FILTER, F-304, SCRUBBING SOLUTION A/N:	D402				
TANK, DRAIN, HEIGHT: 12 FT; DIAMETER: 3 FT A/N:	D404				
TANK, SURGE, F-300, MEA, HEIGHT: 28 FT; DIAMETER: 7 FT 6 IN A/N:	D405				
ACCUMULATOR, F-301, NO. 2 REGENERATOR REFLUX, LENGTH: 15 FT; DIAMETER: 5 FT A/N:	D406				

\* (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

### 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 9 : TREATING/STRIPPING</b>					P13.2
<b>System 5 : SOUR WATER STRIPPING NO. 1</b>					S13.6, S15.13, S15.16
COLUMN, STRIPPER, D-151, HEIGHT: 83 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 326210	D407			VOC: 500 PPMV (8) [40CFR 61 Subpart FF,12-4-2003]	
ACCUMULATOR, F-151, STRIPPER OVERHEAD, LENGTH: 15 FT; DIAMETER: 4 FT A/N: 326210	D408				
TANK, F-158, TEMPERED WATER CHEMICAL FEED, HEIGHT: 2 FT; DIAMETER: 8 IN A/N: 326210	D411				
TANK, HOLDING, ANTIFOAM FEEDER, HEIGHT: 3 FT; DIAMETER: 2 FT A/N: 326210	D412				
TANK, SURGE, F-155, SOUR WATER, LENGTH: 27 FT; DIAMETER: 6 FT 6 IN A/N: 326212	D415				
<b>System 6 : SOUR WATER STRIPPING NO. 2</b>					S13.6, S15.13, S15.16
COLUMN, STRIPPER, D-251, HEIGHT: 83 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 326212	D413			VOC: 500 PPMV (8) [40CFR 61 Subpart FF,12-4-2003]	
ACCUMULATOR, F-251, STRIPPER OVERHEAD, LENGTH: 15 FT; DIAMETER: 4 FT A/N: 326212	D414				

\* (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 9 : TREATING/STRIPPING</b>					P13.2
TANK, SURGE, F-155, SOUR WATER, LENGTH: 27 FT; DIAMETER: 6 FT 6 IN A/N: 326212	D415				
TANK, F-158, TEMPERED WATER CHEMICAL FEED, HEIGHT: 2 FT; DIAMETER: 8 IN A/N: 326210	D411				
TANK, HOLDING, ANTIFOAM FEEDER, HEIGHT: 3 FT; DIAMETER: 2 FT A/N: 326212	D1524				
<b>System 9 : CLAY TREATING (JET A FILTRATION LOOP)</b>					
FILTER, 2 TOTAL, SERVING TANK NOS. 24 & 26 A/N:	D1447				
<b>Process 10 : SULFUR PRODUCTION</b>					P13.2
<b>System 1 : SULFUR RECOVERY PLT. NO. 1</b>					S13.6, S15.15, S15.16, S18.1, S18.6
FURNACE, (REACTION CHAMBER), B-101, RHEEM, LENGTH: 25 FT; DIAMETER: 6 FT 6 IN A/N: 326215	D417				
BURNER, B-103, AUXILIARY NO. 1, H2S FIRED A/N: 326215	B916				

\* (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 10 : SULFUR PRODUCTION</b>					P13.2
BURNER, B-104, AUXILIARY NO. 2, H2S FIRED A/N: 326215	B917				
BURNER, B-105, AUXILIARY NO. 3, H2S FIRED A/N: 326215	B918				
REACTOR, THREE STAGE, D-101, LENGTH: 43 FT; DIAMETER: 10 FT A/N: 326215	D418				
KNOCK OUT POT, F-101, MEA ACID GAS, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 326215	D419				
KNOCK OUT POT, F-102, NH3 ACID GAS, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 326215	D420				
PIT, ACCUMULATOR, F-104, SULFUR, 110 LONG TON CAPACITY, COVERED, WIDTH: 5 FT 9 IN; DEPTH: 10 FT; LENGTH: 45 FT A/N: 326215	D422	D423		<b>H2S: 10 PPMV (5) [RULE 468,10-8-1976] ; SO2: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
BLOWER, SULFUR PIT VENT, GB-104 A/N: 326215	D423	D422 C1497			
BLOWER, COMBUSTION AIR, GB 101 A/N: 326215	D424				
BOILER, WASTE HEAT, B-102 A/N: 326215	D1489				

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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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## 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 : SULFUR PRODUCTION</b>					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326215	D1601			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
CONDENSER, E-101, NO. 1, SULFUR A/N: 326215	D1653				
CONDENSER, E-102, NO. 2, SULFUR A/N: 326215	D1654				
CONDENSER, E-103, NO. 3, SULFUR A/N: 326215	D1655				
CONDENSER, E-104, NO. 4, SULFUR A/N: 326215	D1656			<b>H2S:</b> 10 PPMV (5) [RULE 468,10-8-1976] ; <b>HAP:</b> (10) [40CFR 63 Subpart UUU, #3,4-11-2002] ; <b>SOX:</b> 500 PPMV (5) [RULE 407,4-2-1982]	
<b>System 2 : TAIL GAS UNIT NO. 1, REDUCTION CONTROL</b>					S13.6, S15.13, S15.16, S18.9
REACTOR, REDUCING GAS GENERATOR, B-107, LENGTH: 12 FT 8 IN; DIAMETER: 5 FT 6 IN A/N: 327243	D425				
COLUMN, QUENCH, D-102, HEIGHT: 40 FT; DIAMETER: 6 FT 6 IN A/N: 327243	D426				
REACTOR, HYDROGENATION, D- 103, LENGTH: 10 FT; DIAMETER: 9 FT A/N: 327243	D427				

\* (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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## 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 : SULFUR PRODUCTION</b>					P13.2
ABSORBER, D- 104, HEIGHT: 113 FT; DIAMETER: 14 FT A/N: 327243	D428	C436			E57.4
VESSEL, CONTINUOUS AUTOCLAVE, F-105, HEIGHT: 7 FT; DIAMETER: 3 FT 6 IN A/N: 327243	D430				
TANK, BALANCE, F-106, WITH AN AGITATOR, 25000 GALS; DIAMETER: 14 FT; HEIGHT: 22 FT A/N: 327243	D431				
TANK, SULFUR FROTH, F-107, WITH AN AGITATOR, 10000 GALS; DIAMETER: 10 FT; HEIGHT: 18 FT A/N: 327243	D432				
TANK, OXIDIZER FLOTATION, F-109, WITH THREE AGITATORS, 80000 GALS; DIAMETER: 25 FT; HEIGHT: 22 FT A/N: 327243	D433				
SUMP, F-111, STRETFORD SOLUTION MAKE UP, 720 GALS; WIDTH: 4 FT; DEPTH: 4 FT; LENGTH: 6 FT A/N: 327243	D434				
TANK, SURGE, F-112, STRETFORD SOLUTION, WITH AN AGITATOR, 140000 GALS; DIAMETER: 33 FT 9 IN; HEIGHT: 24 FT A/N: 327243	D435				

\* (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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : SULFUR PRODUCTION</b>					P13.2
GENERATOR, REDUCING GAS, B-107, PARSONS, 5.1 MMBTU/HR A/N: 327243	D919				
ABSORBER, (COOLING TOWER), E-110, WIDTH: 18 FT; HEIGHT: 10 FT 4 IN; LENGTH: 12 FT A/N: 327243	C1497	D423			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 327243	D1602				H23.2
<b>System 3 : SULFUR RECOVERY PLT. NO. 1, TAIL GAS INCINERATOR UNIT</b>					
INCINERATOR, B- 108, WITH JOHN-ZINK BURNER, PROCESS GAS, REFINERY/NATURAL GAS, NORMALLY ON STANDBY AT 500 DEGREES F, 19.5 MMBTU/HR A/N: 447128	C436	D428 S437	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]  SO2: 250 PPMV (8) [40CFR 60 Subpart J,6-24-2008]	A26.1, A26.2, B61.4, C8.2, D28.6, D82.4, D232.1, D328.1, H23.1
STACK, HEIGHT: 70 FT A/N: 447128	S437	C436			
<b>System 4 : SULFUR RECOVERY PLT. NO. 2, CLAU S UNIT</b>					S13.6, S15.15, S15.16, S18.1, S18.6
FURNACE, (REACTION CHAMBER), B-201, DIAMETER: 6 FT 6 IN; LENGTH: 25 FT, RHEEM A/N: 326216	D438	D722			

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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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10 : SULFUR PRODUCTION</b>					P13.2
BURNER, B-203, AUXILIARY NO. 1, H2S FIRED A/N: 326216	B920				
BURNER, B-204, AUXILIARY NO. 2, H2S FIRED A/N: 326216	B921				
BURNER, B-205, AUXILIARY NO. 3, H2S FIRED A/N: 326216	B922				
REACTOR, THREE-STAGE, D-201, LENGTH: 43 FT; DIAMETER: 10 FT A/N: 326216	D439	D722			
KNOCK OUT POT, F-201, MEA ACID GAS, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 326216	D444	D722			
KNOCK OUT POT, F-202, NH3 ACID GAS, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 326216	D445	D722			
PIT, ACCUMULATOR, F-204, SULFUR, 110 LONG TON CAPACITY, COVERED, WIDTH: 5 FT 9 IN; DEPTH: 10 FT; LENGTH: 45 FT A/N: 326216	D447	D1487		<b>H2S: 10 PPMV (5) [RULE 468,10-8-1976] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
BLOWER, SULFUR PIT VENT, GB-204 A/N: 326216	D1487	D447 C1498			
BLOWER, COMBUSTION AIR, GB 201 A/N: 326216	D1488				

\* (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 : SULFUR PRODUCTION</b>					P13.2
BOILER, WASTE HEAT, B-202 A/N: 326216	D1490				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326216	D1604			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2
CONDENSER, E-201, NO. 1, SULFUR A/N: 326216	D1649				
CONDENSER, E-202, NO. 2, SULFUR A/N: 326216	D1650				
CONDENSER, E-203, NO. 3, SULFUR A/N: 326216	D1651				
CONDENSER, E-204, NO. 4, SULFUR A/N: 326216	D1652			<b>H2S:</b> 10 PPMV (5) [RULE 468,10-8-1976] ; <b>HAP:</b> (10) [40CFR 63 Subpart UUU, #3,4-11-2002] ; <b>SOX:</b> 500 PPMV (5) [RULE 407,4-2-1982]	
<b>System 5 : TAIL GAS UNIT NO. 2, REDUCTION CONTROL</b>					S13.6, S15.13, S15.16, S18.9
REACTOR, REDUCING GAS GENERATOR, B-207, DIAMETER: 5 FT 6 IN; LENGHT: 12 FT 8 IN A/N: 327241	D448				
COLUMN, QUENCH, D-202, HEIGHT: 40 FT; DIAMETER: 6 FT 6 IN A/N: 327241	D449				
REACTOR, HYDROGENATION, D-203, LENGTH: 10 FT; DIAMETER: 9 FT A/N: 327241	D450				

\* (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 : SULFUR PRODUCTION</b>					P13.2
ABSORBER, D-204, HEIGHT: 113 FT; DIAMETER: 14 FT A/N: 327241	D451	C456			E57.4
TANK, BALANCE, F-206, WITH AN AGITATOR, 25000 GALS; DIAMETER: 14 FT; HEIGHT: 22 FT A/N: 327241	D452				
TANK, F-207, SULFUR FROTH, WITH AN AGITATOR, 10000 GALS; DIAMETER: 10 FT; HEIGHT: 18 FT A/N: 327241	D453				
TANK, OXIDIZER FLOTATION, F-209, WITH THREE AGITATORS, 80000 GALS; DIAMETER: 25 FT; HEIGHT: 22 FT A/N: 327241	D454				
SUMP, F-211, STRETFORD SOLUTION MAKE UP, 720 GALS; WIDTH: 4 FT; DEPTH: 4 FT; LENGTH: 6 FT A/N: 327241	D455				
ABSORBER, (COOLING TOWER), E- 210, WIDTH: 18 FT 2 IN; HEIGHT: 9 FT 6 IN; LENGTH: 16 FT A/N: 327241	C1498	D1487			
VESSEL, CONTINUOUS AUTOCLAVE, F-205, HEIGHT: 7 FT; DIAMETER: 3 FT 6 IN A/N: 327241	D1499				

\* (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 : SULFUR PRODUCTION</b>					P13.2
GENERATOR, REDUCING GAS, B-207, PARSONS, 5.1 MMBTU/HR A/N: 327241	D1501				
TANK, SURGE, F-112, STRETFORD SOLUTION, WITH AN AGITATOR, 140000 GALS; DIAMETER: 33 FT 9 IN; HEIGHT: 24 FT A/N: 327243	D435				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 327243	D1623			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2
<b>System 6 : SULFUR RECOVERY PLT. NO. 2, TAIL GAS INCINERATOR UNIT</b>					
INCINERATOR, B-208, WITH JOHN-ZINK BURNER, PROCESS GAS, REFINERY/NATURAL GAS, NORMALLY ON STANDBY AT 500 DEGREES F, 19.5 MMBTU/HR A/N: 447129	C456	D451 S457	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>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]</b>  <b>SO2: 250 PPMV (8) [40CFR 60 Subpart J,6-24-2008]</b>	A26.1, A26.2, B61.4, C8.2, D28.6, D82.4, D232.1, D328.1, H23.1
STACK, HEIGHT: 70 FT A/N: 447129	S457	C456			

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 (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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## 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:

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<b>Process 11 : LOADING/UNLOADING</b>					P13.2
<b>System 1 : BUTANE</b>					S15.6
LOADING AND UNLOADING ARM, TANK CAR, LIQUIFIED PETROLEUM GAS, 8 TOTAL; DIAMETER: 4 IN A/N:	D458	D493			
LOADING AND UNLOADING ARM, TANK TRUCK, LIQUIFIED PETROLEUM GAS, 2 TOTAL; DIAMETER: 4 IN A/N:	D459	D493			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1605				H23.2
<b>System 2 : PETROLEUM DISTILLATE</b>					
LOADING ARM, TANK CAR, RACK NO. 1 (WEST), 18 TOTAL; DIAMETER: 4 IN A/N: 326224	D464				C1.49
<b>System 4 : GASOLINE LOADING RACK NO. 1</b>					S13.3
LOADING ARM, BOTTOM, NO. 1, GASOLINE, 6 TOTAL; DIAMETER: 4 IN A/N: 326226	D482	D493		<b>TOC:</b> (10) [40CFR 63 Subpart R, #1 (Major Sources),12-19-2003] ; <b>VOC:</b> (10) [40CFR 63 Subpart CC, #6,5-25-2001] ; VOC: 0.08 LBS/1000 GAL (5) [RULE 462,5-14-1999]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326226	D1606			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.2

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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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 11 : LOADING/UNLOADING</b>					P13.2
<b>System 6 : VAPOR CONTROL SYSTEM SERVING GASOLINE LOADING RACK NO. 1</b>					S13.3, S15.5
TANK, HOLDING, F-386, GASOLINE VAPOR, 5000 CU.FT. A/N: 326231	D493	D458 D459 D482			
SUMP, GASOLINE VAPOR CONDENSATE A/N: 326231	D494				
COMPRESSOR, TWO STAGE VAPOR RECOVERY, NO. LAR 2258 A/N: 326231	D495				
COMPRESSOR, TWO STAGE VAPOR RECOVERY, NO. LAR 2259 A/N: 326231	D496				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326231	D1607			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2
<b>System 7 : SPENT SULFURIC ACID LOADING/UNLOADING</b>					S1.2
LOADING AND UNLOADING ARM, TANK TRUCK, SPENT SULFURIC ACID, DIAMETER: 4 IN A/N:	D1380			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
<b>System 8 : SULFUR LOADING</b>					
LOADING ARM, TOP, SULFUR, DIAMETER: 2 IN A/N:	D1385			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	

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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 11 : LOADING/UNLOADING</b>					P13.2
<b>System 9 : AMMONIUM SULFATE LOADING/UNLOADING</b>					
LOADING AND UNLOADING ARM, RACK NO. 2 A/N: 326244	D1428				
<b>Process 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
<b>System 1 : WASTEWATER TREATMENT</b>					S13.1
TANK, F-2A (EAST), FLOCCULATOR, COVERED, WITH A MIXER, WIDTH: 16 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N:	D499				
TANK, F-2B ( CENTER), FLOCCULATOR, COVERED, WITH A MIXER, WIDTH: 16 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N:	D500				
TANK, F-2C ( WEST), FLOCCULATOR, COVERED, WITH A MIXER, WIDTH: 16 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N:	D501				
FLOATATION UNIT, F-3A (EAST), DISSOLVED AIR A/N:	D502				
FLOATATION UNIT, F-3B (CENTER), DISSOLVED AIR A/N:	D503				

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 (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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
FLOATATION UNIT, DISSOLVED AIR, F-3C (WEST) A/N:	D504				
TANK, FIXED ROOF, RECYCLE SATURATION, F-4A, WASTE WATER, HEIGHT: 7 FT; DIAMETER: 5 FT A/N:	D505				
TANK, FIXED ROOF, RECYCLE SATURATION, F-4B, WASTE WATER, HEIGHT: 7 FT; DIAMETER: 5 FT A/N:	D506				
TANK, FIXED ROOF, RECYCLE SATURATION, F-4C, WASTE WATER, HEIGHT: 7 FT; DIAMETER: 5 FT A/N:	D507				
SUMP, PRIMARY OIL SKIMMING, WIDTH: 11 FT; DEPTH: 15 FT; LENGTH: 16 FT WITH A/N: FLOATING ROOF  PRIMARY SEAL	D508				
SUMP, SECONDARY OIL SKIMMING, WIDTH: 11 FT; DEPTH: 9 FT; LENGTH: 11 FT WITH A/N: FLOATING ROOF	D509				

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 (3) Denotes RECLAIM concentration limit  
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 (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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
PRIMARY SEAL					
TANK, HOLDING, FIXED ROOF, TK-436, POLYMER FEED, 145 BBL; DIAMETER: 14 FT; HEIGHT: 16 FT A/N:	D512				
TANK, HOLDING, FIXED ROOF, TK-437, IRON SULFATE FEED, 250 BBL; DIAMETER: 10 FT; HEIGHT: 15 FT A/N:	D513				
TANK, HOLDING, FIXED ROOF, TK-438, SLUDGE, 1500 BBL; DIAMETER: 22 FT; HEIGHT: 25 FT A/N:	D514			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, HOLDING, FIXED ROOF, TK-439, SLUDGE, 1500 BBL; DIAMETER: 22 FT; HEIGHT: 25 FT A/N:	D515			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, SURGE, TK-461, STORMWATER AND WASTEWATER, WITH OIL SKIMMER, 1.3E+07 GALS; DIAMETER: 185 FT; HEIGHT: 79 FT 7 IN WITH A/N:  FLOATING ROOF, PAN  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D516			<b>HAP: (10) [40CFR 63 Subpart CC, #4,5-25-2001]</b>	H23.15

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 (4) Denotes BACT emission limit  
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 (6) Denotes air toxic control rule limit  
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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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE					
TANK, SURGE, TK-462, STORMWATER AND WASTEWATER, WITH OIL SKIMMER, 1.3E+07 GALS; DIAMETER: 185 FT; HEIGHT: 79 FT 7 IN WITH A/N: FLOATING ROOF, PAN  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D517			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #4,5-25-2001]	H23.15
TANK, SURGE, F-6, STORMWATER AND WASTEWATER, 49368 BBL WITH A/N:  FLOATING ROOF, PAN, LIQUID MOUNTED	D518	C526		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #4,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	
SUMP, SLUDGE FROTH, 3,400 GALS, FIXED COVER, WIDTH: 7 FT 9 IN; DEPTH: 7 FT; LENGTH: 8 FT 6 IN A/N:	D1550	C524		<b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	

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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  
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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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
SUMP, SLUDGE DEWATERING, 25,000 GALS, FIXED COVER, WIDTH: 11 FT; DEPTH: 7 FT; LENGTH: 20 FT A/N:	D1551	C522		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1608				H23.2
<b>System 2 : SUMPS</b>					
SUMP, VACUUM TRUCK WASHED WATER, FIXED COVERED, 748 GALS; WIDTH: 6 FT; DEPTH: 7 FT 3 IN; LENGTH: 13 FT 8 IN A/N: 337811	D519	C520		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996] ; VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]</b>	
CARBON ADSORBER, 1000 LBS A/N: 337811	C520	D519			D90.3, E153.1
SUMP, BLOCK 78, OILY WATER, FIXED COVER, WIDTH: 15 FT; DIAMETER: 9 FT; LENGTH: 60 FT A/N: 337808	D527	C528		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996] ; VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]</b>	
CARBON ADSORBER, 1000 LBS A/N: 337808	C528	D527			D90.3, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 337811	D1609				H23.2

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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  
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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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
<b>System 3 : CARBON ADSORBERS</b>					S13.1
CARBON ADSORBER, NO. 1, WITH AN ORGANIC DETECTOR IN THE OUTLET STREAM, 150 LBS A/N:	C522	D1551			D90.3, E153.1
CARBON ADSORBER, NO. 1, WITH AN ORGANIC DETECTOR IN THE OUTLET STREAM, 150 LBS A/N:	C524	D1550			D90.3, E153.1
CARBON ADSORBER, UNIT NO. 3, (TWO IN PARALLEL), 2000 LBS A/N:	C526	D518			D90.3, E153.1
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
<b>System 1 : FIXED ROOF TANKS</b>					S13.9
STORAGE TANK, FIXED ROOF, NO. 0, SPENT GASOLINE, 1500 GALS; DIAMETER: 5 FT 5 IN; HEIGHT: 9 FT 6 IN A/N: 326257	D529	C530		<b>VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]</b>	C1.63
CARBON ADSORBER, 150 LBS A/N: 326257	C530	D529			D90.3, E153.1
STORAGE TANK, FIXED ROOF, 210, FUEL OIL NO. 6, 3.0618E+06 GALS; DIAMETER: 120 FT; LENGTH: 41 FT A/N: 326264	D531				K67.7

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 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, FIXED ROOF, NO. 327, WITH NATURAL GAS OR NITROGEN BLANKET CONNECTED TO A 25HP (391 CFM) BLOWER C3780, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT A/N: 393099	D535				K67.7
STORAGE TANK, FIXED ROOF, NO. 328, WITH NATURAL GAS OR NITROGEN BLANKET CONNECTED TO A 25HP (391 CFM) BLOWER C3780, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT A/N: 392196	D536				K67.7
STORAGE TANK, FIXED ROOF, 381, 105000 GALS; DIAMETER: 25 FT; HEIGHT: 30 FT A/N: 326272	D537	D717			K67.7
STORAGE TANK, FIXED ROOF, F-108, STEAM HEATED, LIQUID SULFUR, 31250 GALS; DIAMETER: 15 FT; HEIGHT: 24 FT A/N: 326277	D540			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	
STORAGE TANK, FIXED ROOF, F-321A, AMMONIUM SULFATE, 20000 GALS; DIAMETER: 13 FT 4 IN; HEIGHT: 20 FT A/N: 326280	D541				

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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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, FIXED ROOF, F-321B, AMMONIUM SULFATE, 20000 GALS; DIAMETER: 13 FT 4 IN; HEIGHT: 20 FT A/N: 326282	D542				
STORAGE TANK, FIXED ROOF, NO. 336, 54000 BBL; DIAMETER: 90 FT; HEIGHT: 48 FT A/N: 326288	D543				K67.7
STORAGE TANK, FIXED ROOF, D-001, JET A ADDITIVE (ETHYLENE GLYCOL MONOMETHYL ETHER), 1000 GALS; DIAMETER: 11 FT; HEIGHT: 4 FT A/N: 326290	D1368				K67.2
STORAGE TANK, FIXED ROOF, NO. F-327, SPENT CAUSTIC, 16700 GALS; DIAMETER: 14 FT; HEIGHT: 14 FT A/N: 326293	D1436				C1.8
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326290	D1611				H23.2
<b>System 2 : EXTERNAL FLOATING ROOF SINGLE-SEAL TANKS</b>					S13.9
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 326, WITH A MIXER, HYDRODESULFURIZED GAS OIL , 90000 BBL; DIAMETER: 120 FT; HEIGHT: 48 FT WITH A/N: 349341	D545				C1.6

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 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
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### 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 13 : STORAGE TANKS</b>					P13.1, P13.2
FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 160, 25000 BBL; DIAMETER: 60 FT; HEIGHT: 51 FT 3 IN WITH A/N: 326327  FLOATING ROOF  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D569				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 209, WITH A MIXER, 80300 BBL; DIAMETER: 120 FT; HEIGHT: 43 FT 2 IN WITH A/N: 326338  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D579				K67.7

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 8, 67000 BBL; DIAMETER: 100 FT; HEIGHT: 50 FT 6 IN WITH A/N: 326349  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D588				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 10, 55000 BBL; DIAMETER: 100 FT; HEIGHT: 42 FT 6 IN WITH A/N: 326351  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D589			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO.28, WITH A MIXER, 96000 BBL; DIAMETER: 120 FT; HEIGHT: 48 FT WITH A/N: 326363  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D595				K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 61, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326364  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED	D596			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 71, 64000 BBL; DIAMETER: 100 FT; HEIGHT: 48 FT WITH A/N: 326368  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D599				K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 72, 64000 BBL; DIAMETER: 100 FT; HEIGHT: 48 FT WITH A/N: 326369  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D600				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 27, WITH A MIXER, 96000 BBL; DIAMETER: 120 FT; HEIGHT: 48 FT WITH A/N: 326384  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D607				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 329, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT WITH A/N: 326385  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D609				K67.7

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 351, WITH A MIXER, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326387  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D611			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO.205, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 44 FT WITH A/N: 326389  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D613				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 211, FCC SLURRY OIL, WITH A SIDE ENTRY MIXER, 96000 BBL; DIAMETER: 120 FT; HEIGHT: 48 FT WITH A/N: 361064  FLOATING ROOF, PONTOON, WELDED SHELL	D614				K67.7

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, FUEL OIL/GAS OIL, NO. 390, WITH A MIXER, 131000 BBL; DIAMETER: 140 FT; HEIGHT: 50 FT WITH A/N: 417659  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D616				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 278, 95000 BBL; DIAMETER: 125 FT; HEIGHT: 42 FT WITH A/N: 326393  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D617				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 395, DIESEL FUEL, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT 3 IN WITH A/N: 326394	D619			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	K67.7

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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 13 : STORAGE TANKS</b>					P13.1, P13.2
FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 305, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT WITH A/N: 326396  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D621				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 350, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326397  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D622			<b>HAP: (10) [40CFR 63 Subpart            CC, #2,5-25-2001]</b>	K67.7

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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  
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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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 389, WITH A MIXER, 131000 BBL; DIAMETER: 140 FT; HEIGHT: 48 FT WITH A/N: 326399  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D623				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 391, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 326407  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D627				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 392, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 326395  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D628				K67.7

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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  
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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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 394, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 325986  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D631				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 396, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 325976  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D632				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 397, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 325978	D634				K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 398, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 325979  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D635				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 444, 250000 BBL; DIAMETER: 180 FT; HEIGHT: 56 FT WITH A/N: 325993  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED	D636				K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 445, 250000 BBL; DIAMETER: 180 FT; HEIGHT: 56 FT WITH A/N: 325995  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D637				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 393, 160000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 325985  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D638				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 411, 2390 BBL; DIAMETER: 30 FT; HEIGHT: 20 FT 9 IN WITH A/N: 325996  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL	D370				K67.7

\* (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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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 412, 2410 BBL; DIAMETER: 30 FT; HEIGHT: 20 FT 9 IN WITH A/N: 325997  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D371				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 405, 2024 BBL; DIAMETER: 27 FT 2 IN; HEIGHT: 20 FT 9 IN WITH A/N: 327236  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D360			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.1, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 26, WITH A MIXER, 97000 BBL; DIAMETER: 120 FT; HEIGHT: 51 FT 3 IN WITH A/N: 326348	D591			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	K67.7

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 (4) Denotes BACT emission limit  
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 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 78, 18000 BBL; DIAMETER: 60 FT; HEIGHT: 37 FT 6 IN WITH A/N: 349337  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D544				C1.3, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 25, DIESEL FUEL, WITH A MIXER, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 44 FT WITH A/N: 355140  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D552				C1.18

\* (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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 65, HEAVY NAPHTHA, 80000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 326312  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D554				K67.7
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 349341	D1800				H23.2
<b>System 3 : EXTERNAL FLOATING ROOF TANKS</b>					S13.8
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 4, 36800 BBL; DIAMETER: 90 FT; HEIGHT: 32 FT 6 IN WITH A/N: 326303  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	D547			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7

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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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 5, 37000 BBL; DIAMETER: 90 FT; HEIGHT: 32 FT 6 IN WITH A/N: 326305  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	D548			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 6, 42000 BBL; DIAMETER: 85 FT; HEIGHT: 48 FT WITH A/N: 326306  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D549			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001] ; <b>VOC:</b> (10) [40CFR 61 Subpart FF_01,12-4-2003]	B22.2, C1.50, H23.9

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 7, 66000 BBL; DIAMETER: 100 FT; HEIGHT: 50 FT 6 IN WITH A/N: 326307  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	D550			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 9, 55000 BBL; DIAMETER: 100 FT; HEIGHT: 42 FT 6 IN WITH A/N: 326308  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D551				K67.7

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 (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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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 62, 20300 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326310  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, WIPER TYPE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D553			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 66, WITH A MIXER, 82000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 326313  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D555			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001] ; <b>VOC:</b> (10) [40CFR 61 Subpart FF_01,12-4-2003]	H23.9, K67.7

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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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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 68, 84000 BBL; DIAMETER: 117 FT; HEIGHT: 42 FT WITH A/N: 326315  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, WIPER TYPE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D557				C1.2, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 79, 25000 BBL; DIAMETER: 60 FT; HEIGHT: 51 FT 3 IN WITH A/N: 326316  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D558				K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 92, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 42 FT WITH A/N: 326318  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	D560			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 93, 103200 BBL; DIAMETER: 120 FT; HEIGHT: 51 FT 3 IN WITH A/N: 326319  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D561			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	K67.7

\* (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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 123, 82000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT WITH A/N: 326322  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D564				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 124, LIGHT GAS OIL, WITH STEAM HEATING COILS AND A MIXER, 78000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 47 FT WITH A/N: 326323  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D565				C1.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 148, WITH A MIXER, 95180 BBL; DIAMETER: 120 FT; HEIGHT: 51 FT 3 IN WITH A/N: 417676	D568			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7

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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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 172, WITH A MIXER, 103000 BBL; DIAMETER: 120 FT; HEIGHT: 51 FT 3 IN WITH A/N: 417674  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), WIPER TYPE	D574			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 198, 1700 BBL; DIAMETER: 25 FT; HEIGHT: 19 FT WITH A/N: 326333  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D575			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	H23.15, K67.7

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 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
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. 199, 2000 BBL; DIAMETER: 25 FT; HEIGHT: 19 FT WITH A/N: 326334  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	D576			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.15, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 277, 96700 BBL; DIAMETER: 120 FT; HEIGHT: 48 FT WITH A/N: 326342  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D583			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7

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 (4) Denotes BACT 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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2, LIGHT CATALYTICALLY CRACKED GASOLINE (LCAT), 41000 BBL; DIAMETER: 95 FT 6 IN; HEIGHT: 32 FT WITH A/N: 326343  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	D584			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	C1.13, H23.15
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 3, NAPHTHA, LIGHT CATALYTICALLY CRACKED GASOLINE, 41000 BBL; DIAMETER: 95 FT 6 IN; HEIGHT: 32 FT WITH A/N: 326345  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D586			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	C1.14, H23.15

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 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
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. 331, 82000 BBL; DIAMETER: 120 FT; HEIGHT: 42 FT 6 IN WITH A/N: 326354  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D593				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 332, WITH A MIXER, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 42 FT 6 IN WITH A/N: 417666  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D594			<b>HAP: (10) [40CFR 63 Subpart            CC, #2,5-25-2001]</b>	K67.7

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 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
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. 333, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326366  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D597			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 334, WITH A MIXER, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT WITH A/N: 417667  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D598			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7

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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 335, WITH A MIXER, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT WITH A/N: 417668  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	D601			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #2,5-25-2001]	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 337, 15100 BBL; DIAMETER: 52 FT; HEIGHT: 40 FT WITH A/N: 326380  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D602			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001] ; <b>VOC:</b> (10) [40CFR 61 Subpart FF_01,12-4-2003]	H23.9, K67.7

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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 342, 54000 BBL; DIAMETER: 90 FT; HEIGHT: 48 FT WITH A/N: 326382  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED	D605				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 348, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326383  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D606				K67.7

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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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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 349, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 40 FT 6 IN WITH A/N: 326386  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	D610				H23.15, H23.33, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 352, FOUL WATER, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 42 FT 6 IN WITH A/N: 326388  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D612			<b>VOC: (10) [40CFR 61 Subpart FF_01,12-4-2003]</b>	H23.9, K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 370, 55000 BBL; DIAMETER: 90 FT; HEIGHT: 48 FT WITH A/N: 326391  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D615			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	H23.15, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 450, 1500 BBL; DIAMETER: 24 FT; HEIGHT: 24 FT 9 IN WITH A/N: 326400  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D624				K67.7

\* (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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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 451, WITH A MIXER, 1500 BBL; DIAMETER: 24 FT; HEIGHT: 24 FT 9 IN WITH A/N: 326401  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D625				K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 452, 162100 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT 6 IN WITH A/N: 326406  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D626			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	H23.16, K67.7

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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 13 : STORAGE TANKS</b>					P13.1, P13.2
SECONDARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 453, 93000 BBL; DIAMETER: 130 FT; HEIGHT: 51 FT 8 IN WITH A/N: 325980  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D629			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	H23.16, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 353, FOUL WATER, 20000 BBL; DIAMETER: 60 FT; HEIGHT: 42 FT 6 IN WITH A/N: 325982  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D630			<b>VOC:</b> (10) [40CFR 61 Subpart FF_01,12-4-2003]	H23.9, K67.7

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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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 433, FOUL WATER, 25000 BBL; DIAMETER: 60 FT; HEIGHT: 50 FT WITH A/N: 325983  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D633			<b>VOC: (10) [40CFR 61 Subpart FF_01,12-4-2003]</b>	H23.9, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 401, 1938 BBL; DIAMETER: 27 FT; HEIGHT: 20 FT 9 IN WITH A/N: 457418  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D356			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.4, B59.1, C1.69, K67.7

\* (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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## 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 13 : STORAGE TANKS</b>					P13.1, P13.2
SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 402, 2108 BBL; DIAMETER: 28 FT; HEIGHT: 20 FT 9 IN WITH A/N: 457419  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D357			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.4, B59.1, C1.70, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 403, WITH A MIXER, 1969 BBL; DIAMETER: 27 FT 2 IN; HEIGHT: 20 FT 9 IN WITH A/N: 326001	D358				K67.7

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 404, 1961 BBL; DIAMETER: 27 FT 2 IN; HEIGHT: 20 FT 9 IN WITH A/N: 457420  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D359			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	B22.4, B59.1, C1.71, K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 406, 2028 BBL; DIAMETER: 27 FT; HEIGHT: 20 FT 5 IN WITH A/N: 418077  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D361			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 407, 2495 BBL; DIAMETER: 30 FT; HEIGHT: 20 FT 5.625 IN WITH A/N: 457421  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE  SECONDARY SEAL, CATEGORY A, WIPER TYPE	D362			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.4, B59.1, C1.72, K67.7

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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  
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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 13 : STORAGE TANKS</b>					P13.1, P13.2
GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 408, 2478 BBL; DIAMETER: 30 FT; HEIGHT: 20 FT 4.5 IN WITH A/N: 457422  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D363			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.4, B59.1, C1.73, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 410, WITH A MIXER, 2500 BBL; DIAMETER: 30 FT; HEIGHT: 20 FT 4.75 IN WITH A/N: 457424  FLOATING ROOF, DOUBLE DECK, RIVETED SHELL	D364			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.4, B59.1, C1.74, K67.7

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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  
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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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 457424	D1612				H23.2
<b>System 4 : PRESSURIZED TANKS</b>					S13.2, S15.2, S15.6
STORAGE TANK, PRESSURIZED, 152, LPG, 42000 GALS A/N: 326013	D640				
STORAGE TANK, PRESSURIZED, 153, 96000 GALS A/N: 326014	D642				
STORAGE TANK, PRESSURIZED, 154, 96600 GALS A/N: 326015	D643				
STORAGE TANK, PRESSURIZED, 345, 42000 GALS A/N: 326021	D647				

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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  
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<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, PRESSURIZED, 371, 42000 GALS A/N: 326022	D648				
STORAGE TANK, PRESSURIZED, 380, 29400 GALS A/N: 326023	D649				
STORAGE TANK, PRESSURIZED, F-101, ANHYDROUS AMMONIA, 12000 GALS; DIAMETER: 10 FT; LENGTH: 24 FT A/N: 326044	D1370				
STORAGE TANK, PRESSURIZED, F-326, ANHYDROUS AMMONIA, (SULFURIC ACID PLANT), 12000 GALS; DIAMETER: 7 FT 11 IN; LENGTH: 36 FT 4 IN A/N: 326045	D1474				
STORAGE TANK, PRESSURIZED, 465, LIQUIFIED PETROLEUM GAS, 27000 BBL; DIAMETER: 66 FT A/N:	D1367				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326013	D1613				H23.2
<b>System 6 : BUTANE TANKS (VENTING TO VRS)</b>					S13.2, S15.2, S15.6
STORAGE TANK, PRESSURIZED, 300, 210000 GALS A/N:	D644				

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 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, PRESSURIZED, 301, 420000 GALS A/N:	D645				
STORAGE TANK, PRESSURIZED, 302, 420000 GALS A/N:	D646				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1801				H23.2
<b>System 7 : BUTANE TANKS (VENTING TO LPG FLARE)</b>					S13.2, S15.7
STORAGE TANK, PRESSURIZED, NO. 442, 840000 GALS A/N:	D661	C736			
STORAGE TANK, PRESSURIZED, NO. 443, 840000 GALS A/N:	D662	C736			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1802				H23.2
<b>System 8 : DOME COVERED EXTERNAL FLOATING ROOF TANKS</b>					S13.8
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1, WITH DOME COVER, 39000 BBL; DIAMETER: 80 FT; HEIGHT: 49 FT WITH A/N: 398069  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D546			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001] ; <b>VOC:</b> (10) [40CFR 61 Subpart FF_01,12-4-2003]	B22.2, C1.65, H23.9

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 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE, RIM MOUNTED					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 67, 80700 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 47 FT 3 IN WITH A/N: 457967  FLOATING ROOF, PONTOON, RIVETED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D556			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001] ; <b>VOC:</b> (10) [40CFR 61 Subpart FF_01,12-4-2003]	C1.2, H23.2, H23.9, K67.7
STORAGE TANK, WELDED SHELL, DOMED EXTERNAL FLOATING ROOF, NO. 91, 81000 BBL; DIAMETER: 120 FT; HEIGHT: 42 FT WITH A/N: 465515	D559			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	K67.7, K171.2

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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 13 : STORAGE TANKS</b>					P13.1, P13.2
DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, WIPER TYPE, CATEGORY B  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, UNSLOTTED					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 146, WITH A MIXER, 100800 BBL; DIAMETER: 120 FT; HEIGHT: 50 FT 3 IN WITH A/N: 405993  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D566			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
STORAGE TANK, WELDED SHELL, DOMED EXTERNAL FLOATING ROOF, NO. 147, 159400 BBL; DIAMETER: 150 FT; HEIGHT: 50 FT 11 IN WITH A/N: 421373  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, UNSLOTTED	D567			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	B22.3, H23.16, K67.7
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 168, WITH A MIXER, 158000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N:  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D570			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), WIPER TYPE					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 169, WITH A 15 HP SIDE ENTRY MIXER, 156000 BBL; DIAMETER: 150 FT; HEIGHT: 49 FT 3 IN WITH A/N: 438903  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE, FLEX-A-SEAL  DOME COVER, GEODESIC  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D571			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	C1.67, K67.11

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR 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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 170, 157300 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT 3 IN WITH A/N: 406256  DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D572			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	C1.5, K67.7
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 171, WITH DOME COVER AND A 25 HP SIDE ENTRY MIXER, 155000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT 3 IN WITH A/N: 398494  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D573			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	B22.2, K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE, RIM MOUNTED					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 204, 97800 BBL; DIAMETER: 120 FT; HEIGHT: 50 FT 6 IN WITH A/N: 405991  DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D577			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 206, 97800 BBL; DIAMETER: 120 FT; HEIGHT: 50 FT 6 IN WITH A/N: 405992	D578			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 330, WITH DOME COVER, 80000 BBL; DIAMETER: 120 FT; HEIGHT: 40 FT 6 IN WITH A/N: 400377  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE, RIM MOUNTED	D592			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	B22.2, K67.7

\* (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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 110, 145000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT 2 IN WITH A/N: 472903  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, UNSLOTTED, GASKETED SLIDING COVER, WIPER	D563			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	H23.16, K67.7, K171.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 149, WITH A MIXER, 98000 BBL; DIAMETER: 120 FT; HEIGHT: 50 FT 1 IN WITH A/N: 476310  DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK	D604			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	K67.7, K171.2

\* (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

### 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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, UNSLOTTED, GASKETED SLIDING COVER, WIPER					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 292, WITH A MIXER, 95000 BBL; DIAMETER: 120 FT; HEIGHT: 49 FT 8 IN WITH A/N: 476317  DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, WIPER TYPE  GUIDEPOLE, UNSLOTTED, GASKETED SLIDING COVER, WIPER	D587			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	K67.7, K171.2

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472903	D1803				H23.2
<b>System 9 : LOW PRESSURIZED TANKS</b>					
STORAGE TANK, PRESSURIZED, NO. 440, 5.25E+06 GALS A/N: 326037	D659	C736			E336.4
STORAGE TANK, PRESSURIZED, NO. 441, 5.25E+06 GALS A/N: 326038	D660	C736			E336.4
STORAGE TANK, FIXED ROOF, LOW PRESSURE, NO. 304, WITH THREE PRESSURE RELIEF VALVES SET AT 10 PSIG, 80000 BBL; DIAMETER: 127 FT 6 IN; HEIGHT: 40 FT A/N: 344286	D665	D719		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #3A,5-25-2001]	E336.3, K67.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 344286	D1804				H23.2
<b>Process 14 : ELECTRICITY GENERATION</b>					
<b>System 1 : EMERGENCY IC ENGINES</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL M11-G2, WITH AFTERCOOLER, TURBOCHARGER, 380 BHP A/N: 467117	D1553		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>CO:</b> 8.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)- BACT,5-10-1996] ; <b>NOX:</b> 5.78 LBS/HR DIESEL (2) [RULE 2012,5-6-2005]	B61.5, C1.39, C1.76, D12.3, D135.1, H23.29, K67.13

\* (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 14 : ELECTRICITY GENERATION</b>					
				<b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM10:</b> 0.38 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)- <b>BACT,5-10-1996]</b> ; <b>ROG:</b> 1 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)- <b>BACT,5-10-1996]</b>  <b>SOX:</b> 0.154 LBS/HR DIESEL (2) [RULE 2011,5-6-2005]	
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3306 T, 267 HP A/N: 326059	D675		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, C1.75, D12.3, D135.1, H23.29, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3306T, 267 HP A/N: 326061	D676		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, C1.75, D12.3, D135.1, H23.29, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3306 T, 267 HP A/N: 326062	D677		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, C1.75, D12.3, D135.1, H23.29, K67.13

\* (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 : ELECTRICITY GENERATION</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3412 DITA PA-3281, 638 HP A/N: 326063	D678		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, C1.75, D12.3, D135.1, H23.29, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3412 DITA PA-3281, 638 HP A/N: 326064	D679		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, C1.75, D12.3, D135.1, H23.29, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3406B DITA, TRUCK MOUNTED, 460 HP A/N: 326065	D680		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, D12.3, D135.1, K67.3
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL 3406B DITA, TRUCK MOUNTED, 460 HP A/N: 326067	D681		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>SOX:</b> 6.24 LBS/1000 GAL (1) [RULE 2011,5-6-2005]	B61.5, C1.39, D12.3, D135.1, K67.3
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QSX15-G9, WITH AFTERCOOLER, TURBOCHARGER, 755 BHP A/N: 467112	D1657		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>CO:</b> 8.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>NOX:</b> 11.5 LBS/HR DIESEL (2) [RULE 2012,5-6-2005]	B61.5, C1.39, C1.77, D12.3, D135.1, H23.29, K67.13

\* (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

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

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

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<b>Process 14 : ELECTRICITY GENERATION</b>					
				<b>NOX:</b> 6.9 GRAM/BHP-HR DIESEL (4) [RULE 2005,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM10:</b> 0.38 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996]  <b>ROG:</b> 1 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>SOX:</b> 0.26 LBS/HR DIESEL (2) [RULE 2011,5-6-2005]	
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL LTA10-G1, WITH AFTERCOOLER, TURBOCHARGER, 380 BHP A/N: 375995	D1658		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	<b>CO:</b> 8.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>NOX:</b> 5.78 LBS/HR DIESEL (2) [RULE 2012,5-6-2005]  <b>NOX:</b> 6.9 GRAM/BHP-HR DIESEL (4) [RULE 2005,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM10:</b> 0.38 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996]	B61.5, C1.39, C1.78, D12.3, D135.1, H23.29, K67.13

\* (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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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 : ELECTRICITY GENERATION</b>					
				<b>ROG:</b> 1 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>SOX:</b> 0.12 LBS/HR DIESEL (2) [RULE 2011,5-6-2005]	
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, MG-102, CATERPILLER, MODEL MODEL 3408B, LOW SULFUR DIESEL FUEL, 603 BHP A/N: 393155	D1768			<b>CO:</b> 8.5 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>NOX:</b> 6.9 GRAM/BHP-HR (4) [RULE 2005,5-6-2005]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM10:</b> 0.38 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]  <b>ROG:</b> 1 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	B61.9, C1.39, C1.76, D12.3, D135.1, H23.29, K67.13
<b>System 2 : NON EMERGENCY IC ENGINES</b>					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, GB-151, NATURAL GAS, INGERSOL, MODEL 8XVG-2, DRIVING A VAPOR RECOVERY COMPRESSOR GB151, WITH PRE-STRATIFIED CHARGE, 300 BHP A/N: 347919	D732		NOX: LARGE SOURCE**	<b>CO:</b> 2000 PPMV (5) [RULE 1110.2,2-4-2008] ; <b>NOX:</b> 150 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	D12.8, D12.18, D28.3, H23.30, K67.14

\* (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 14 : ELECTRICITY GENERATION</b>					
				<b>ROG:</b> 250 PPMV (5) [RULE 1110.2,2-4-2008]	
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, DETROIT DIESEL ALLISON, MODEL 16V-92TA 8163-7405, (START UP AND COOL DOWN THE COGENERATION SYSTEM), 1095 HP A/N: 467118	D683		NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	<b>NOX:</b> 882 PPMV DIESEL (3) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]	B61.5, C1.7, C1.79, D12.3
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, FORD, MODEL 380 DF-6005-A-S0310, VARIOUS LOCATIONS, 93 HP A/N: 326049	D669		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>PM:</b> (9) [RULE 404,2-7-1986]	B61.5, D28.11, D135.1, H23.31, K67.15
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, CATERPILLAR, MODEL 3306A, 200 HP A/N: 447255	D670		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV DIESEL (5) [RULE 1110.2,2-4-2008] ; <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>ROG:</b> 250 PPMV DIESEL (5) [RULE 1110.2,2-4-2008] ; <b>SOX:</b> 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-6-2005]	B61.5, C1.68, D28.3, D28.11, D135.1, H23.30, K67.14
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, PERKINS, MODEL LD227637796612H, VARIOUS LOCATIONS, 80 HP A/N: 326051	D671		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	<b>PM:</b> (9) [RULE 404,2-7-1986]	B61.5, D28.11, D135.1, H23.31, K67.15

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

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<b>Process 14 : ELECTRICITY GENERATION</b>					
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, PERKINS, MODEL LD22763U779678H, VARIOUS LOCATIONS, 80 HP A/N: 326052	D672		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	PM: (9) [RULE 404,2-7-1986]	B61.5, D135.1, H23.31, K67.15
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, PERKINS, MODEL LD22763U754110H, VARIOUS LOCATIONS, 80 HP A/N: 326053	D673		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	PM: (9) [RULE 404,2-7-1986]	B61.5, D135.1, H23.31, K67.15
INTERNAL COMBUSTION ENGINE, DIESEL FUEL, JOHN DEERE, MODEL 4-239TL, VARIOUS LOCATIONS, 102 HP A/N: 326054	D674		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	PM: (9) [RULE 404,2-7-1986]	B61.5, D28.11, D135.1, H23.31, K67.15
<b>System 3 : COGENERATION</b>					
EVAPORATOR, THERMAL, E-107, BUTANE A/N: 326159	D826				G292.1
KNOCK OUT POT, THERMAL, F-109, BUTANE, DIAMETER: 3 FT, HEIGHT: 6 FT 6 IN A/N: 326159	D1383				G292.1
VESSEL, MIXING, F-104, FUEL GAS, HEIGHT: 7 FT 6 IN; DIAMETER: 4 FT A/N: 326159	D1471				G292.1
COMPRESSOR, CENTRIFUGAL, GB-101, FUEL GAS A/N: 326159	D827				G292.1, H23.3

\* (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 14 : ELECTRICITY GENERATION</b>					
TURBINE, GG-101, B12 ROTOR (AIR COMPRESSOR, COMBUSTOR WITH STEAM INJECTION, GAS TURBINE), BUTANE, NATURAL GAS, REFINERY/NATURAL GAS, WESTINGHOUSE, MODEL CW251B12A, S/N 66S-8109, 646.3 MMBTU/HR WITH A/N: 326159	D828	D829	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<p><b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>CO:</b> 10 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>NOX:</b> 104 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p> <p><b>NOX:</b> 9 PPMV (4) [RULE 2005,5-6-2005] ; <b>NOX:</b> 24.7 LBS/HR (7) [RULE 2005,5-6-2005] ; <b>NOX:</b> 165 PPMV BUTANE (4) [RULE 2005,5-6-2005]</p> <p><b>PM:</b> 11 LBS/HR (5A) [RULE 475,10-8-1976;RULE 475,8-7-1978] ; <b>PM:</b> 0.01 GRAINS/SCF (5B) [RULE 475,10-8-1976;RULE 475,8-7-1978]</p> <p><b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>SO2:</b> 20 PPMV (8) [40CFR 60 Subpart J,6-24-2008] ; <b>SO2:</b> 150 PPMV (8A) [40CFR 60 Subpart GG,2-24-2006]</p> <p><b>SOX:</b> 9.54 LBS/HR (7) [RULE 2005,5-6-2005]</p>	A63.2, A99.1, A99.2, A195.2, A195.3, A327.2, B61.3, C1.9, C1.11, C1.12, D12.4, D12.6, D28.8,  D82.4, D328.1, E54.4, E71.3, E73.2, E193.2, E226.1, G292.1, H23.1, H23.11, K67.5

\* (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

### 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 14 : ELECTRICITY GENERATION</b>					
GENERATOR, ELECTRIC, 58.5 MW					
BOILER, TURBINE EXHAUST HEAT RECOVERY, E-102, REFINERY/NATURAL GAS, FOSTER WHEELER, 3.1E+5 LBHR OF 415 PSIG STEAM OUTPUT, WITH A JOHN-ZINK MODEL LDRIILE DUCT BURNER, 99 MMBTU/HR A/N: 326159	D829	D828 C832	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<p>CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; CO: 10 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NOX: 9 PPMV (4) [RULE 2005,5-6-2005]</p> <p>NOX: 24.7 LBS/HR (4) [RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: 11 LBS/HR (5A) [RULE 476,10-8-1976]</p> <p>PM: 0.01 GRAINS/SCF (5B) [RULE 476,10-8-1976] ; SO2: 20 PPMV (8) [40CFR 60 Subpart J,6-24-2008] ; SOX: 9.54 LBS/HR (4) [RULE 2005,5-6-2005]</p>	A63.2, A327.1, B61.3, C1.10, D12.7, D28.8, D82.4, D328.1, E73.1, G292.1, H23.1
<b>System 4 : AIR POLUTION CONTROL</b>					
CO OXIDATION CATALYST, ME-109, ENGELHARD, 160 CF, 22 IN W X 218 IN L X 492 IN H, HONEYCOMB PLATINUM TYPE OR EQUIVALENT A/N: 326161	C832	D829 C830			D28.19, D82.1, G292.1

\* (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.)  
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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 14 : ELECTRICITY GENERATION</b>					
SELECTIVE CATALYTIC REDUCTION, ME-108, ISHIKAWAJIMA-HARIMA INDUSTRIES, HONEYCOMB ZEOLITE TYPE, FOLLOWING STEAM INJECTION CONTROL (TURBINE COMBUSTOR), 1013 CU.FT.; WIDTH: 20 FT 6 IN; HEIGHT: 41 FT; LENGTH: 7 FT WITH A/N: 326161  AMMONIA INJECTION, ME-102, ANHYDROUS	C830	C832 S1369		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]	D12.1, D12.5, D28.18, D82.2, E71.2, G292.1, K40.2
STACK, HEIGHT: 80 FT; DIAMETER: 13 FT 5.5 IN A/N: 326161	S1369	C830			G292.1
<b>Process 15 : STEAM GENERATION</b>					
<b>System 1 : BOILERS</b>					
BOILER, NO. 4, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 142 MMBTU/HR WITH A/N: 445896  BURNER, 3 BURNERS, REFINERY/NATURAL GAS, DYNASWIRL, MODEL 505QED, WITH LOW NOX BURNER, 142 MMBTU/HR	D684		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]	A26.4, B61.4, D232.1, D328.1, 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

### 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 15 : STEAM GENERATION</b>					
BOILER, NO. 7, REFINERY/NATURAL GAS, WITH OPTIONAL FLUE GAS RECIRCULATION, WITH LOW NOX BURNER, 304 MMBTU/HR WITH A/N:  BURNER, TWELVE (12) BURNERS, REFINERY/NATURAL GAS, COEN, MODEL TANGENTIAL FIRED CORNER BURNER, 25.3 MMBTU/HR EACH, WITH LOW NOX BURNER	D686		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 19.2 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]  ROG: 1.6 LBS/HR (7) [RULE 1303(b)(2)-Offset,5-10-1996]	A26.4, A305.2, B61.4, C1.62, D12.15, D29.2, D232.1, D328.1, H23.1
BOILER, NO. 8, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 179 MMBTU/HR WITH A/N: 326080  BURNER, 1 BURNER, REFINERY/NATURAL GAS, COEN CPF/FGR-37.5, WITH LOW NOX BURNER, 179 MMBTU/HR	D687		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: 0.01 GRAINS/SCF (5B) [RULE 476,10-8-1976] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]  PM: 11 LBS/HR (5A) [RULE 476,10-8-1976]	A327.1, B61.4, D28.11, D90.10, D328.1, H1.1, 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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 15 : STEAM GENERATION</b>					
BOILER, NO. 6, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 250 MMBTU/HR WITH A/N: 445898  BURNER, TWO (2) BURNERS, REFINERY/NATURAL GAS, COEN CRF/FGR-30, WITH LOW NOX BURNER, 250 MMBTU/HR	D688		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]	A26.4, B61.4, D232.1, D328.1, H23.1
<b>Process 16 : PETROLEUM, MISCELLANEOUS</b>					
<b>System 1 : ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, ROOM, PANGBORN, MODEL 1AU-11-865, METALLIC GRIT, WITH A 1100 LB CAPACITY PRESSURE POT & A 100-PSIG, 3/8 IN ID NOZZLE, WIDTH: 10 FT; HEIGHT: 7 FT 6 IN; LENGTH: 15 FT A/N: 349568	D694	C695		PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 404,2-7-1986;RULE 405,2-7-1986]	D323.2, E71.5, H23.12
<b>System 2 : DUST COLLECTOR</b>					
BAGHOUSE, CARTRIDGE, UNITED AIR SPECIALISTS, MODEL FJL8-15-2H55, WITH A 4800 CFM, 15-HP BLOWER, 2080 SQ.FT.; 8 CARTRIDGE A/N: 346048	C695	D694			D12.13, D322.1, D381.1, E102.1, K67.9

\* (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 16 : PETROLEUM, MISCELLANEOUS</b>					
<b>System 3 : SPRAY BOOTH</b>					
SPRAY COATING OPERATION, SPRAY BOOTH, DEVILBISS, WITH 18-20"X25" FILTERS AND 1 1/2 HP. EXHAUST FAN, WITH SPRAY BOOTH A/N: 326087	D696			VOC: (9) [RULE 1107,11-9-2001;RULE 1113,11-8-1996;RULE 1113,7-43-2007;RULE 1151,12-11-1998;RULE 1171,11-7-2003;RULE 1171,5-6-2005]	C6.4, D322.2, H23.20, K67.9
<b>System 5 : FUEL STORAGE AND DISPENSING</b>					S13.4
STORAGE TANK, UNDERGROUND, METHANOL COMPATIBLE, GASOLINE, FUEL STORAGE AND DISPENSING, 10000 GALS A/N:	D697				J109.1
FUEL DISPENSING NOZZLE, WITH BALANCE RETRACTOR VAPOR RECOVERY SYSTEM A/N:	D698				D330.1, J110.1
<b>System 8 : AMMONIA (Liquidified Anhydrous) VAPORIZATION</b>					
STORAGE TANK, PRESSURIZED, PRESSURIZED, 80-F-219, ANHYDROUS AMMONIA, 16240 GALS; DIAMETER: 10 FT 6 IN; LENGTH: 25 FT A/N: 326095	D702				K67.6
EVAPORATOR, AMMONIA, 80-E-116, STEAM HEATED A/N: 326095	D703				

\* (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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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 16 : PETROLEUM, MISCELLANEOUS</b>					
EVAPORATOR, AMMONIA, 80-E-117, STEAM HEATED A/N: 326095	D704				
EVAPORATOR, AMMONIA, 80-E-118, STEAM HEATED A/N: 326095	D705				
<b>System 9 : AMMONIA (Aqueous) TRANSFER &amp; STORAGE SYSTEM</b>					
STORAGE TANK, PRESSURIZED (35 PSIG), 80-F-218, SERVING ESP OF FCCU U152 & SCR OF H2 PLANT U118, AQUEOUS AMMONIA, WITH TRUCK UNLOADING STATION, VAPOR RETURN SYSTEM & TRANSFER PUMPS, 16240 GALS; DIAMETER: 10 FT 6 IN; LENGTH: 25 FT A/N:	D701				K67.6
<b>Process 17 : AIR POLLUTION CONTROL (FLARES)</b>					
<b>System 1 : NORTH FLARE</b>					
FLARE, ELEVATED WITH STEAM INJECTION, (NORTH), NATURAL GAS, MOUNTED ON NORTH BLOWDOWN VESSEL (P/C 271875), HEIGHT: 200 FT; DIAMETER: 3 FT A/N:	C706				D12.10, E193.4, H23.28, H23.32, I1.2
DRUM, NORTH BLOWDOWN, F-7, WITH INTERNAL STEAM COIL, LENGTH: 60 FT; DIAMETER: 10 FT A/N:	D709				

\* (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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
<b>System 2 : SOUTH FLARE</b>					S18.2, S18.8
FLARE, ELEVATED WITH STEAM INJECTION, (SOUTH), NATURAL GAS, HEIGHT: 200 FT; DIAMETER: 12 FT A/N:	C723				D12.10, E193.4, H23.28, H23.32, I1.2
TANK, HOLDING, F-151, VAPORSPHERE, DIAMETER: 66 FT A/N:	D725				
KNOCK OUT POT, F-152, HEIGHT: 5 FT; DIAMETER: 1 FT 6 IN A/N:	D726				
POT, DRAIN, F-1, HEIGHT: 8 FT; DIAMETER: 3 FT 6 IN A/N:	D727				
KNOCK OUT POT, HEIGHT: 24 FT; DIAMETER: 25 FT A/N:	D729	D396			
TANK, SURGE, F-154, JACKET WATER, DIAMETER: 8 IN A/N:	D730				
COMPRESSOR, GB151, DRIVEN BY AN ICE DEVICE ID D732 A/N:	D1554				
KNOCK OUT POT, F-156, PACKER VENT A/N:	D734				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1617				H23.2

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR 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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
<b>System 3 : PORTABLE FLARE</b>					
FLARE, ELEVATED WITH STEAM INJECTION, LIQUIFIED PETROLEUM GAS, PORTABLE, WITH AN IN-LINE FLAME ARRESTOR, STANDBY FOR LPG FLARE, HEIGHT: 80 FT; DIAMETER: 2 FT 6 IN A/N: 430595	C735				C1.1, D323.2, H23.28, 11.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 430595	D1618				H23.2
<b>System 4 : LPG FLARE</b>					S18.3
FLARE, ELEVATED WITH STEAM INJECTION, C-301, BUTANE, MOLECULAR SEAL, HEIGHT: 127 FT 10 IN; DIAMETER: 2 FT A/N: 476489	C736	D659 D660 D661 D662 D740 D744 D747			D323.2, H23.27, H23.28, 11.2
VESSEL, F-308, VENT, LENGTH: 5 FT; DIAMETER: 2 FT 6 IN A/N: 476489	D740	C736			
COMPRESSOR, GB-305, BUTANE REFRIGERATION FILLING, WITH 150-HP A/N: 476489	D743				
VESSEL, VAPORIZER, E-310, LENGTH: 19 FT; DIAMETER: 8 IN A/N: 476489	D744	C736			

\* (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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
COMPRESSOR, GB-306, BUTANE REFRIGERATION HOLDING, WITH 250-HP A/N: 476489	D745				
COMPRESSOR, GB-307, BUTANE REFRIGERATION HOLDING, WITH 250-HP A/N: 476489	D746				
KNOCK OUT POT, F-311, LENGTH: 28 FT; DIAMETER: 10 FT A/N: 476489	D747	C736			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 476489	D1619				H23.2
<b>System 5 : HYDROCRACKING FLARE</b>					S18.2, S18.8
FLARE, ELEVATED WITH STEAM INJECTION, NATURAL GAS, JOHN ZINK, MODEL STS-36, HEIGHT: 200 FT; DIAMETER: 3 FT A/N:	C748	D199 D200			D323.2, E193.4, H23.28, H23.32, I1.2
KNOCK OUT POT, F-701, LENGTH: 32 FT; DIAMETER: 11 FT 6 IN A/N:	D749				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 326101	D1620				H23.2

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8)(8A)(8B) Denotes 40 CFR 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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
<b>System 6 : VAPOR RECOVERY SYSTEM (NORTH)</b>					S13.6, S15.1, S15.16, S18.2, S18.10
DRUM, UNIT 152 BLOWDOWN, F-6C, LIGHT HC RELIEF AND RECOVERY, LENGTH: 20 FT 3 IN; DIAMETER: 9 FT A/N:	D710				
DRUM, UNIT 152 BLOWDOWN, F-6B, LIGHT HC RELIEF AND RECOVERY, LENGTH: 20 FT; DIAMETER: 9 FT A/N:	D711				
POT, LIQUID SEAL, HEIGHT: 2 FT 6 IN; DIAMETER: 1 FT A/N: 326096	D713				
VESSEL, VAPORIZER, F-300, PROPANE RELIEF AND VAPORIZATION VESSEL, LENGTH: 14 FT; DIAMETER: 6 FT A/N:	D714				
KNOCK OUT POT, F-950, LENGTH: 9 FT; DIAMETER: 3 FT A/N:	D715				
VESSEL, SEPARATOR, F-954, LENGTH: 4 FT; DIAMETER: 2 FT A/N:	D716				
KNOCK OUT POT, F-1, PROPANE, (LPG UNLOADING FACILITY), HEIGHT: 5 FT 6 IN; DIAMETER: 2 FT A/N:	D717	D537			

\* (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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
VESSEL, UNIT 138 BLOWDOWN, F-9, HEIGHT: 14 FT; DIAMETER: 10 FT A/N:	D718				
COMPRESSOR, TWO STAGE, GB-951, RECIPROCATING, 1991CFM, PACKED GLANDS, 350-HP. A/N:	D719				
VESSEL, VAPORIZER, F-20, UNIT 91 PROPANE RELIEF AND VAPORIZATION, LENGTH: 14 FT; DIAMETER: 6 FT A/N:	D720				
VESSEL, VAPORIZER, F-231, UNIT 110 PROPANE RELIEF AND VAPORIZATION, LENGTH: 14 FT; DIAMETER: 6 FT A/N:	D721				
VESSEL, RECEIVER, F-700, PROCESS RELIEF (SULFUR RECOVERY UNITS), LENGTH: 14 FT; DIAMETER: 4 FT A/N: 326096	D722	D438 D439 D444 D445			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1616				
<b>System 7 : VAPOR RECOVERY SYSTEM (SOUTH)</b>					S13.6, S15.16, S18.2, S18.10
COMPRESSOR, GB-152, WITH 400-HP. MOTOR A/N: 365149	D733				

\* (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 18 : ISOMERIZATION UNIT 60</b>					P13.2
<b>System 1 : ISOMERIZATION, PENEX PLUS UNIT 60</b>					S4.1, S11.1, S13.6, S15.2, S15.3
REACTOR, NO. 1, 60-D-102, HEIGHT: 30 FT; DIAMETER: 4 FT 6 IN A/N: 327798	D176			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
REACTOR, NO. 2, D-103, HEIGHT: 30 FT; DIAMETER: 4 FT 6 IN A/N: 327798	D177			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
COLUMN, RERUN, 60-D-106, HEIGHT: 47 FT; DIAMETER: 9 FT A/N: 327798	D180				
COMPRESSOR, 60-GB-101, PLATFORMER RECYCLE GAS A/N: 327798	D190				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 327798	D1621			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2
<b>Process 22 : R-219 EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E1638				H23.17
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E1639				H23.17
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E1640				H23.6

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

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

## 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 22 : R-219 EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E1641				H23.18
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E1643			<b>VOC: (9) [RULE 1107,11-9-2001;RULE 1171,11-7-2003;RULE 1171,5-6-2005]</b>	H23.19
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E1644			<b>VOC: (9) [RULE 1113,11-8-1996;RULE 1113,7-13-2007;RULE 1171,11-7-2003;RULE 1171,5-6-2005]</b>	K67.8
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E1645				H23.8
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E1689			<b>VOC: (9) [RULE 1171,11-7-2003;RULE 1171,5-6-2005]</b>	H23.7
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E1642			<b>VOC: (9) [RULE 1168,10-3-2003;RULE 1168,1-7-2005;RULE 1171,11-7-2003;RULE 1171,5-6-2005]</b>	H23.19

\* (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: 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

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D4	2	1	1
D5	2	1	1
D6	3	1	1
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D8	3	1	1
D11	3	1	1
D12	3	1	1
D13	3	1	1
D14	3	1	1
D15	4	1	1
D16	5	1	2
D17	5	1	2
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D19	5	1	2
D20	5	1	2
D21	5	1	2
D22	6	1	2
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D28	6	1	2
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D35	7	1	2
C36	7	1	3
C37	8	1	3
C38	8	1	3
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

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D46	12	2	1
D48	12	2	1
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D51	12	2	1
D53	12	2	1
D55	13	2	1
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D57	13	2	1
D58	13	2	1
D59	14	2	2
D60	14	2	2
D61	14	2	2
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D63	15	2	2
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D74	16	2	3
D75	17	2	3
D76	17	2	3
D78	17	2	3
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

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D85	18	2	4
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D87	18	2	4
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D90	19	2	4
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D93	19	2	4
D94	19	2	4
D95	19	2	4
D96	19	2	4
D97	19	2	4
D98	20	2	4
D99	20	2	4
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D101	20	2	5
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D103	21	2	5
D104	21	2	5
D105	21	2	5
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D109	28	3	3
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D114	29	3	3
D116	29	3	3
D117	29	3	3
D118	29	3	3
D119	29	3	3
D120	30	3	3
D122	30	3	3

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

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D125	30	3	3
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D127	30	3	3
D129	22	2	6
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D157	35	3	5
D158	36	3	5
S159	37	3	5
S160	37	3	5
D161	37	3	5
D163	38	3	5
D165	27	3	1
D166	27	3	1
D167	27	3	1
D168	27	3	1
D169	27	3	1
D170	27	3	1
D171	27	3	1

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

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D177	155	18	1
D180	155	18	1
D182	13	2	1
D185	13	2	1
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D187	13	2	1
D188	13	2	1
D189	14	2	1
D190	155	18	1
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D201	39	4	1
D202	39	4	1
D203	39	4	1
D204	39	4	1
D205	39	4	1
D206	39	4	1
D207	40	4	1
D208	40	4	1
D209	40	4	1
D210	40	4	1
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D216	40	4	1
D217	41	4	1
D219	41	4	1
D220	41	4	3
C221	41	4	3
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D223	42	5	1

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

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D229	42	5	1
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D233	43	5	1
D234	43	5	1
D235	43	5	1
D236	43	5	1
D237	43	5	1
D238	43	5	1
D239	44	5	1
D240	44	5	1
D241	44	5	1
D242	44	5	1
D245	44	5	1
D246	44	5	1
D247	44	5	1
D249	44	5	1
D250	45	5	1
D251	45	5	1
D252	45	5	1
D253	45	5	1
D254	45	5	1
D255	45	5	1
D256	45	5	1
D259	46	5	2
D260	47	5	2
S261	47	5	2
D262	48	5	2
D264	48	5	2
D267	49	6	1

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

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D270	49	6	1
D271	49	6	1
D272	49	6	1
D273	49	6	1
D274	49	6	1
D275	50	6	1
D276	50	6	1
D277	50	6	1
D278	50	6	1
D279	50	6	1
D280	50	6	1
D281	50	6	1
D282	51	6	1
D283	51	6	1
D284	51	6	1
D285	51	6	1
D286	51	6	1
D287	51	6	1
D288	51	6	1
D289	51	6	1
D290	52	6	1
D291	52	6	1
D292	52	6	1
D293	52	6	1
D294	52	6	1
D295	52	6	1
D296	52	6	1
D298	52	6	1
D299	53	6	1
D300	53	6	1
D301	53	6	1
D302	53	6	1
D303	53	6	1
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## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D307	54	6	1
D308	54	6	1
D309	54	6	1
D310	54	6	1
D311	54	6	1
D312	54	6	1
D313	54	6	1
D314	54	6	1
D315	54	6	1
D316	55	6	1
D317	55	6	1
D318	55	6	1
D319	55	6	1
D320	55	6	1
D321	55	6	1
D322	55	6	1
D323	56	6	1
D324	56	6	1
D325	56	6	1
D329	56	6	2
D331	57	7	1
D332	62	7	6
D333	57	7	1
D334	58	7	1
D335	58	7	1
D336	58	7	1
D337	58	7	1
D338	58	7	1
D339	58	7	1
D340	58	7	1
C341	58	7	1
D342	59	7	1
D343	59	7	1
D344	59	7	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
D348	59	7	1
D349	59	7	1
D350	59	7	1
D352	61	7	3
C353	61	7	3
D354	61	7	3
D355	61	7	2
D356	119	13	3
D357	120	13	3
D358	120	13	3
D359	121	13	3
D360	99	13	2
D361	122	13	3
D362	122	13	3
D363	123	13	3
D364	123	13	3
D370	98	13	2
D371	99	13	2
D372	63	9	1
D373	63	9	1
D374	63	9	1
D375	63	9	1
D376	63	9	1
D377	63	9	1
D378	63	9	1
D379	64	9	1
D380	64	9	1
D381	64	9	1
D382	64	9	1
D383	64	9	1
D385	64	9	1
D386	64	9	1
D387	65	9	1
D388	65	9	1
D389	65	9	3
D390	65	9	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
D391	65	9	3
D392	65	9	3
D393	66	9	3
D394	66	9	3
D395	66	9	3
D396	66	9	3

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D397	66	9	3
D398	66	9	4
D399	66	9	4
D400	67	9	4
D401	67	9	4
D402	67	9	4
D404	67	9	4
D405	67	9	4
D406	67	9	4
D407	68	9	5
D408	68	9	5
D411	68	9	5
D411	69	9	6
D412	68	9	5
D413	68	9	6
D414	68	9	6
D415	68	9	5
D415	69	9	6
D417	69	10	1
D418	70	10	1
D419	70	10	1
D420	70	10	1
D422	70	10	1
D423	70	10	1
D424	70	10	1
D425	71	10	2
D426	71	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
D427	71	10	2
D428	72	10	2
D430	72	10	2
D431	72	10	2
D432	72	10	2
D433	72	10	2
D434	72	10	2
D435	72	10	2
D435	77	10	5
C436	73	10	3
S437	73	10	3
D438	73	10	4
D439	74	10	4
D444	74	10	4
D445	74	10	4
D447	74	10	4
D448	75	10	5
D449	75	10	5
D450	75	10	5
D451	76	10	5
D452	76	10	5
D453	76	10	5
D454	76	10	5
D455	76	10	5
C456	77	10	6
S457	77	10	6
D458	78	11	1
D459	78	11	1
D464	78	11	2
D482	78	11	4
D493	79	11	6
D494	79	11	6
D495	79	11	6
D496	79	11	6
D499	80	12	1
D500	80	12	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
D501	80	12	1
D502	80	12	1
D503	80	12	1
D504	81	12	1
D505	81	12	1
D506	81	12	1
D507	81	12	1
D508	81	12	1
D509	81	12	1
D512	82	12	1
D513	82	12	1
D514	82	12	1
D515	82	12	1
D516	82	12	1
D517	83	12	1
D518	83	12	1
D519	84	12	2
C520	84	12	2
C522	85	12	3
C524	85	12	3
C526	85	12	3
D527	84	12	2
C528	84	12	2
D529	85	13	1
C530	85	13	1
D531	85	13	1
D535	86	13	1
D536	86	13	1
D537	86	13	1
D540	86	13	1
D541	86	13	1
D542	87	13	1
D543	87	13	1
D544	100	13	2
D545	87	13	2
D546	126	13	8

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D547	101	13	3
D548	102	13	3
D549	102	13	3
D550	103	13	3
D551	103	13	3
D552	100	13	2
D553	104	13	3
D554	101	13	2
D555	104	13	3
D556	127	13	8
D557	105	13	3
D558	105	13	3
D559	127	13	8
D560	106	13	3
D561	106	13	3
D563	134	13	8
D564	107	13	3
D565	107	13	3
D566	128	13	8
D567	129	13	8
D568	107	13	3
D569	88	13	2
D570	129	13	8
D571	130	13	8
D572	131	13	8
D573	131	13	8
D574	108	13	3
D575	108	13	3
D576	109	13	3
D577	132	13	8
D578	132	13	8
D579	88	13	2
D583	109	13	3
D584	110	13	3
D586	110	13	3
D587	135	13	8

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### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D588	89	13	2
D589	89	13	2
D591	99	13	2
D592	133	13	8
D593	111	13	3
D594	111	13	3
D595	89	13	2
D596	90	13	2
D597	112	13	3
D598	112	13	3
D599	90	13	2
D600	91	13	2
D601	113	13	3
D602	113	13	3
D604	134	13	8
D605	114	13	3
D606	114	13	3
D607	91	13	2
D609	91	13	2
D610	115	13	3
D611	92	13	2
D612	115	13	3
D613	92	13	2
D614	92	13	2
D615	116	13	3
D616	93	13	2
D617	93	13	2
D619	93	13	2
D621	94	13	2
D622	94	13	2
D623	95	13	2
D624	116	13	3
D625	117	13	3
D626	117	13	3
D627	95	13	2
D628	95	13	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
D629	118	13	3
D630	118	13	3
D631	96	13	2
D632	96	13	2
D633	119	13	3
D634	96	13	2
D635	97	13	2
D636	97	13	2
D637	98	13	2
D638	98	13	2
D640	124	13	4
D642	124	13	4
D643	124	13	4
D644	125	13	6
D645	126	13	6
D646	126	13	6
D647	124	13	4
D648	125	13	4
D649	125	13	4
D659	136	13	9
D660	136	13	9
D661	126	13	7
D662	126	13	7
D665	136	13	9
D669	141	14	2
D670	141	14	2
D671	141	14	2
D672	142	14	2
D673	142	14	2
D674	142	14	2
D675	137	14	1
D676	137	14	1
D677	137	14	1
D678	138	14	1
D679	138	14	1
D680	138	14	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
D681	138	14	1
D683	141	14	2
D684	145	15	1
D686	146	15	1
D687	146	15	1
D688	147	15	1
D694	147	16	1
C695	147	16	2
D696	148	16	3
D697	148	16	5
D698	148	16	5
D701	149	16	9
D702	148	16	8
D703	148	16	8
D704	149	16	8
D705	149	16	8
C706	149	17	1
D709	149	17	1
D710	153	17	6
D711	153	17	6
D713	153	17	6
D714	153	17	6
D715	153	17	6
D716	153	17	6
D717	153	17	6
D718	154	17	6
D719	154	17	6
D720	154	17	6
D721	154	17	6
D722	154	17	6
C723	150	17	2
D725	150	17	2
D726	150	17	2
D727	150	17	2
D729	150	17	2
D730	150	17	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
D732	140	14	2
D733	154	17	7
D734	150	17	2
C735	151	17	3
C736	151	17	4
D740	151	17	4
D743	151	17	4
D744	151	17	4
D745	152	17	4
D746	152	17	4
D747	152	17	4
C748	152	17	5
D749	152	17	5
D750	7	1	2
D803	62	8	1
D826	142	14	3
D827	142	14	3
D828	143	14	3
D829	144	14	3
C830	145	14	4
C832	144	14	4
B916	69	10	1
B917	70	10	1
B918	70	10	1
D919	73	10	2
B920	74	10	4
B921	74	10	4
B922	74	10	4
D1360	62	8	2
D1367	125	13	4
D1368	87	13	1
S1369	145	14	4
D1370	125	13	4
S1372	8	1	3
D1380	79	11	7
D1383	142	14	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
D1385	79	11	8
D1386	61	7	5
D1402	59	7	1
D1403	59	7	1
D1404	60	7	1
D1406	60	7	1
D1407	60	7	1
D1408	60	7	1
D1409	60	7	1
D1426	15	2	2
D1427	16	2	2
D1428	80	11	9
D1436	87	13	1
D1447	69	9	9
D1471	142	14	3
D1474	125	13	4
D1487	74	10	4
D1488	74	10	4
D1489	70	10	1
D1490	75	10	4
C1497	73	10	2
C1498	76	10	5
D1499	76	10	5
D1501	77	10	5
D1502	4	1	1
D1503	4	1	1
D1505	15	2	2
D1508	17	2	3
D1509	17	2	3
D1510	17	2	3
D1511	20	2	4
D1512	21	2	5
D1513	21	2	5
D1514	29	3	3
D1515	28	3	1
D1516	28	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
D1517	45	5	1
D1518	45	5	1
D1519	46	5	1
D1520	46	5	1
D1521	46	5	1
D1522	46	5	1
D1523	59	7	1
D1524	69	9	6
D1525	60	7	1
D1547	60	7	1
D1548	60	7	1
D1550	83	12	1
D1551	84	12	1
D1553	136	14	1
D1554	150	17	2

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1565	4	1	1
D1566	7	1	2
D1569	14	2	1
D1571	16	2	2
D1573	18	2	3
D1575	20	2	4
D1577	21	2	5
D1579	28	3	1
D1581	30	3	3
D1583	41	4	1
D1587	46	5	1
D1589	56	6	1
D1590	57	6	2
D1591	61	7	1
D1596	62	8	1
D1597	62	8	2
D1599	65	9	1
D1600	66	9	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
D1601	71	10	1
D1602	73	10	2
D1604	75	10	4
D1605	78	11	1
D1606	78	11	4
D1607	79	11	6
D1608	84	12	1
D1609	84	12	2
D1611	87	13	1
D1612	124	13	3
D1613	125	13	4
D1616	154	17	6
D1617	150	17	2
D1618	151	17	3
D1619	152	17	4
D1620	152	17	5
D1621	155	18	1
D1623	77	10	5
E1638	155	22	0
E1639	155	22	0
E1640	155	22	0
E1641	156	22	0
E1642	156	22	0
E1643	156	22	0
E1644	156	22	0
E1645	156	22	0
D1649	75	10	4
D1650	75	10	4
D1651	75	10	4
D1652	75	10	4
D1653	71	10	1
D1654	71	10	1
D1655	71	10	1
D1656	71	10	1
D1657	138	14	1
D1658	139	14	1

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D1671	4	1	2
D1672	5	1	2
D1674	4	1	1
E1689	156	22	0
D1691	4	1	1
D1695	10	1	6
C1696	11	1	6
D1697	11	1	6
C1698	11	1	6
D1699	14	2	2
D1700	14	2	2
D1706	20	2	4
D1715	3	1	1
D1716	3	1	1
D1717	4	1	1
D1733	11	1	6
D1734	11	1	6
D1768	140	14	1
D1800	101	13	2
D1801	126	13	6
D1802	126	13	7
D1803	136	13	8
D1804	136	13	9

## **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, 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]**

- F34.2 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

**[RULE 431.1, 6-12-1998]**

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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

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

- 40CFR79
- 40CFR80
- California Code of Regulations, Title 13, Division 3, Chapter 5

**[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999; CCR Title 13, 9-24-1999]**

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

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

**[RULE 463, 5-6-2005]**

[Processes subject to this condition : 13]

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

Contaminant	Rule	Rule/Subpart
HAPs	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, 11, 12, 13, 18]

### 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 production rate to no more than 450 ton(s) in any one day.

For the purpose of this condition, production rate shall be defined as total daily production of sulfuric acid expressed as 100 percent H<sub>2</sub>SO<sub>4</sub>.

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

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

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

S1.2 The operator shall limit the loading rate to no more than 1.3356e+06 gallon(s) per month.

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

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

[Systems subject to this condition : Process 11, System 7]

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 , 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:

- S4.1 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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 distinctly 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 diagrams with a listing showing by functional grouping, location, type, accessibility, and application of each new valve in VOC service.

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 above 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.

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.

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

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

[Systems subject to this condition : Process 2, System 1 , 3; Process 3, System 1 , 3; Process 4, System 2; Process 5, System 1; Process 18, 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:

- S4.2 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; 40CFR 60 Subpart QQQ, 5-5-1989]**

[Systems subject to this condition : Process 1, System 2; Process 6, 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:

- S4.3 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above 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.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

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 may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on the actual components installed and removed from service. The operator shall also submit 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 and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

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

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

- S4.4 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above 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.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

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 may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on the actual components installed and removed from service. The operator shall also submit 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 and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

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

[Systems subject to this condition : Process 6, 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:

- S11.1 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Subsequent Environmental Impact Report dated 18-nov-1994 for this facility.

This condition shall only apply to equipment listed in Section H of this facility permit.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 2, System 3 , 4; Process 3, System 1 , 3; Process 4, System 2 , 4 , 5; Process 5, System 1; Process 6, System 1; Process 8, System 3; Process 18, System 1 , 2]

- S13.1 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 12, System 1 , 3]

- 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	1149

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

[Systems subject to this condition : Process 13, System 4 , 6 , 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:

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	462

**[RULE 462, 5-14-1999]**

[Systems subject to this condition : Process 11, System 4 , 6]

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	461

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

[Systems subject to this condition : Process 16, System 5]

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	1189

**[RULE 1189, 1-21-2000]**

[Systems subject to this condition : Process 4, 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:

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	1123

**[RULE 1123, 12-7-1990]**

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 2 , 3 , 4 , 5; Process 3, System 1 , 3; Process 4, System 1 , 2; Process 5, System 1; Process 6, System 1; Process 8, System 1; Process 9, System 1 , 3 , 4 , 5 , 6; Process 10, System 1 , 2 , 4 , 5; Process 17, System 6 , 7; Process 18, System 1 , 2]

S13.8 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
VOC	District Rule	1149

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, 12-21-2001; RULE 463, 5-6-2005]**

[Systems subject to this condition : Process 13, System 3 , 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:

S13.9 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1178

**[RULE 1178, 12-21-2001]**

[Systems subject to this condition : Process 13, System 1 , 2]

S13.10 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

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

S13.11 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	407
Sulfuric Acid Mist	District Rule	469

**[RULE 407, 4-2-1982; RULE 469, 5-7-1976; RULE 469, 2-13-1981]**

[Systems subject to this condition : Process 7, System 4 , 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:

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

All vent gases shall be directed to the Deethanizers Device ID D1671 and D1672 in the FCCU Fractionation CLEF unit (Process 1, System 2).

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

[Systems subject to this condition : Process 17, System 6]

S15.2 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 vapor recovery system or/and blowdown flare system except Devices IDs D1, D7, D210, D213, D214, D773, D775 TO D785 that vent to the atmosphere and Device ID D772 that normally vents to heater D1349 when hydrogen is being produced and vents to atmosphere when hydrogen is not produced.

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

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 2 , 3 , 4 , 5; Process 3, System 1 , 3; Process 4, System 1 , 2; Process 5, System 1; Process 6, System 1; Process 8, System 1 , 2; Process 13, System 4 , 6; Process 18, System 1 , 2]

S15.3 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 fuel gas treating unit.

This process/system shall not be operated unless the fuel 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 5; Process 3, System 1 , 3; Process 4, System 1 , 2; Process 6, System 1; Process 8, System 1 , 2; Process 18, 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:

S15.5 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be directed to a blowdown flare system(s).

This process/system shall not be operated unless the flare(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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 11, System 6]

S15.6 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 North flare vapor recovery 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 11, System 1; Process 13, System 4 , 6]

S15.7 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be vented to the LPG flare.

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

[Systems subject to this condition : Process 13, 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:

S15.8 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 fuel gas treating unit (Process 9, System 3), or the absorber/scrubber located in Diesel Hydrotreating Unit (Process 2, System 4), or Hydrogen Generation Unit (Process 4, System 1).

This process/system shall not be operated unless the above fuel gas treating unit/absorber/scrubber 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 3]

S15.9 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 absorber located in the hydrogen generation unit (Process 4, System 1) or the fuel gas treating unit (Process 9, System 3).

This process/system shall not be operated unless the absorber/fuel 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 2; Process 5, System 1]

S15.10 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 absorber located in this system, the absorber located in the hydrogen production unit (Process 4, System 1), or the fuel gas treating unit (Process 9, System 3).

This process/system shall not be operated unless the absorber/fuel 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 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:

S15.11 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) or sulfuric acid production unit.

This process/system shall not be operated unless the sulfur recovery unit(s) or the sulfuric acid production 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 4]

S15.13 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 sulfur recovery 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 1 , 5 , 6; Process 10, System 2 , 5]

S15.14 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be directed to the CANSOLV SOX Scrubbing (Process 7, Sytem 3).

This process/system shall not be operated unless the above vapor control 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 7, 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:

S15.15 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 system.

This process/system shall not be operated unless the above tail gas treating 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 10, System 1 , 4]

S15.16 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to the blowdown 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 1 , 3 , 4 , 5 , 6; Process 10, System 1 , 2 , 4 , 5; Process 17, System 6 , 7]

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:

Amine Stripping Unit 138 (Process: 9, System: 4)

Tail Gas Units (Process: 10, System: 2 & 5)

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

[Systems subject to this condition : Process 10, System 1 , 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:

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:

FCCU (Process: 1, System: 1 & 2)

Hydrotreating (Process: 2, System: 1, 2, 3, 4 & 5)

Catalytic Reforming (Process: 3, System: 1 & 3)

Hydrogen Production (Process: 4, System: 1 & 2)

Hydrocracking (Process: 5, System: 1)

Alkylation (Process: 6, System: 1)

Blending (Process: 8, System: 1 & 2)

Treating/Stripping (Process: 9, System: 1)

Butane Loading/Unloading (Process: 11, System: 1)

Butane Storage Tanks (Process: 13, System: 6)

Isomerization (Process: 18, System: 1 & 2)

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

[Systems subject to this condition : Process 17, System 1 , 2 , 5 , 6 , 7]

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:

Butane Storage Tanks (Process: 13, System: 7)

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

[Systems subject to this condition : Process 17, System 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:

- 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:

FCCU (Process: 1, System: 1 & 2)

Hydrotreating (Process: 2, System: 1, 2, 3, 4 & 5)

Catalytic Reforming (Process: 3, System: 1 & 3)

Hydrogen Production (Process: 4, System: 1 & 2)

Alkylation (Process: 6, System: 1)

Blending (Process: 8, System: 1 & 2)

Isomerization (Process: 18, System: 1 & 2)

Hydrocracking (Process: 5, System: 1)

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

[Systems subject to this condition : Process 9, System 3]

- S18.6 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:

Amine Stripping Unit 138 (Process: 9, System: 4)

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

[Systems subject to this condition : Process 7, System 1; Process 10, System 1 , 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:

- S18.7 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:

Contact H2SO4 Production Plant (Process: 7, System: 1)

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

[Systems subject to this condition : Process 7, System 3]

- S18.8 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:

Treating/Stripping (Process: 9, System: 1, 2, 3, 4, 5 & 6)

Sulfur Recovery Plant (Process: 10, System: 1, 2, 4, & 5)

Vapor Recovery System (Process: 17, System: 6 & 7)

Loading/Unloading (Process: 11, System: 6)

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

[Systems subject to this condition : Process 17, System 1 , 2 , 5]

- S18.9 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 Plants (Process: 10, System: 1 & 4)

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

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

S18.10 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:

Butane Loading/Unloading (Process: 11, System: 1)

Pressurized Storage Tanks (Process: 13, System: 4 & 6)

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

[Systems subject to this condition : Process 17, System 6 , 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:

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 423384:

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

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above 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.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

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 may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on the actual components installed and removed from service. The operator shall also submit 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 and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

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

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

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

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

[Systems subject to this condition : Process 2, System 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:

S42.1 The operator shall not operate the FCCU unless, by November 30, 2008, the operator complies the requirements of the following rule:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

If the operator fails to comply with any of the terms and conditions listed below, the operator shall be subject to the compliance deadlines as specified in Rule 1105.1(d)(1).

1. Modification of the Third Stage Separator and Installation of the Fourth Stage Separator.
  - a. Submit complete applications to AQMD to replace the existing third stage separator and to install the fourth stage separator no later than August 15, 2004.
  - b. Submit a source test plan within 30 days of approval of the extension request to determine particulate concentration and mass emissions at the inlet and outlet of the existing third stage separator. Perform the test and report the results to the AQMD within 60 days after the completion of the test along with the following operating parameters at the time of the source test: FCCU throughput (operate at least at 80% of maximum capacity during the test), catalyst feed rate, coke burn-off rate.
  - c. Begin fabrication of the third and fourth stage separators no later than April 1, 2005.
  - d. Complete construction and begin operation no later than January 1, 2006. Conduct source tests to determine particulate concentration and mass emissions at the inlet and outlet of each separator (third and fourth stage) and report the results to the AQMD by April 30, 2006 along with the following operating parameters at the time of the source tests: FCCU throughput (operate at least at 80% of maximum capacity during the test), catalyst feed rate, coke burn-off rate.
2. Select an air pollution control technology for compliance with the emission limits in Rule 1105.1(d)(1) and submit a letter to the AQMD specifying the control technology selected by May 31, 2006.
3. Award contract(s) to design the control technology selected for compliance with Rule 1105.1(d)(1) by July 1, 2006. Award contract(s) to construct and install the control technology by May 1, 2007.
4. Submit information necessary for the preparation of the California Environmental Quality Act (CEQA) documents for equipment installation and/or modification for 1105.1(d)(1) compliance, by August 1, 2006.
5. Submit a complete application(s) for a permit(s) to construct the control technology selected for compliance with Rule 1105.1(d)(1) by September 1, 2006.

## 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:

6. Begin construction of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by the later of July 1, 2007, or within 30 days of receiving permit(s). These dates may be extended in writing by the Executive Officer upon a request by ConocoPhillips if the CEQA document is not finalized by May 1, 2007. Such extension(s) shall not be for a period more than five months after the original deadline listed in this paragraph.
7. Start operation of the control technology permitted to ensure compliance with Rule 1105.1(d)(1) by October 15, 2008.
8. Comply with all Rule 1105.1(d)(1) requirements no later than November 30, 2008.

**[RULE 1105.1, 11-7-2003]**

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

S42.2 The operator shall only use the following catalyst emission control and process optimization additives in this process system:

MANUFACTURER	PRODUCT
Albemarle	ELIMINOx
Albemarle	KDNOx
Englehard	CLEANOx
Grace-Davison	CP-5
Grace-Davison	DENOX
Grace-Davison	OlefinsMax
Grace-Davison	OlefinsUltra
Grace-Davison	Super DESOX
Grace-Davison	XNOx
Intercat	COP-550
Intercat	NOXGETTER
Intercat	Super SOXGETTER
Intercat	CATNA482

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-7-2008]**

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

### DEVICE 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:

#### A. Emission Limits

A1.1 Compliance with the Emission limit(s) specified in the Emissions and Requirements column for this device shall be determined as follows:

Emittant	Emission Limit	Emission Units	Compliance Verification Method
SOx	9.8	kg /1000kg COKE BURN-OFF	Daily sampling per 40CFR60 Subpart J paragraph 60.106(i) or other approved method

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

[Devices subject to this condition : D1]

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 82- 4

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

[Devices subject to this condition : C436, C456]

A26.2 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, 6-24-2008]**

[Devices subject to this condition : C436, C456]

## 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:

- A26.3 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 A 1- 1

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

[Devices subject to this condition : D1]

- A26.4 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, 6-24-2008]**

[Devices subject to this condition : D39, D41, D42, D129, D133, D135, D136, D137, D138, D139, D142, D144, D146, D148, D150, D152, D154, D155, D156, D157, D158, D161, D163, D194, D220, D259, D260, D262, D264, D329, D684, D686, D688]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 401 LBS IN ANY ONE DAY
PM10	Less than or equal to 269 LBS IN ANY ONE DAY
PM	Less than or equal to 269 LBS IN ANY ONE DAY
ROG	Less than or equal to 166 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from Turbine Device D828 & Boiler Device D829.

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

[Devices subject to this condition : D828, D829]

## **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:

A99.1 The 9 PPM NOX emission limit(s) shall not apply when the equipment is in startup, shutdown, or on-line fuel transfer periods (for NOx).

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828]

A99.2 The 10 PPM CO emission limit(s) shall not apply when the equipment is in startup, shutdown, or on-line fuel transfer periods (for CO).

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

[Devices subject to this condition : D828]

A195.2 The 104 PPM NOX emission limit(s) is averaged over 15 minutes for NOx when the gas turbine is fired with natural gas, uncorrected to 15 percent Oxygen.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828]

A195.3 The 165 PPM NOX emission limit(s) is averaged over 15 minutes for NOx when the gas turbine is fired with butane, uncorrected to 15 percent Oxygen.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828]

A195.7 The 20 PPMV NOX emission limit(s) is averaged over 365 rolling days at 0% O2, dry basis.

The 20 ppmv NOx emission limit shall become effective on March 1, 2011.

**[ CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]**

[Devices subject to this condition : D1]

## **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:

A195.8 The 40 PPMV NOX emission limit(s) is averaged over 7 rolling days at 0% O2, dry basis.

The 40 ppmv NOx emission limit shall become effective on March 1, 2011.

NOx emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize NOx emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.9 The 50 PPMV SO2 emission limit(s) is averaged over 7 rolling days at 0% O2, dry basis.

The 50 ppmv SO2 emission limit shall become effective on March 1, 2011.

SO2 emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize SO2 emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.10The 25 PPMV SO2 emission limit(s) is averaged over 365 rolling days at 0% O2, dry basis..

The 25 ppmv SO2 emission limit shall become effective on March 1, 2011.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

## **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:

A195.11 The 500 PPMV CO emission limit(s) is averaged over 1 hour at 0% O<sub>2</sub>, dry basis.

CO emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize CO emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.12 The 500 PPMV CO emission limit(s) is averaged over 1 hour as measured (no O<sub>2</sub> correction) on a dry basis.

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

[Devices subject to this condition : D1]

A195.13 The 0.5 LBS/1000 LBS OF COKE BURNED PM emission limit(s) is averaged over 3 hours.

The PM emission limit shall become effective on December 31, 2008.

PM emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize PM emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

## **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:

- A229.1 The 30 Percent Opacity emission limit is measured by a continuous opacity monitor. However, it is allowed to exceed the limit for one six-minute average opacity reading in any one hour period.

The operator shall install and maintain a(n) continuous opacity monitor to accurately indicate the opacity of the exhaust

For the purpose of this condition, a continuous opacity monitor shall be either 1) a continuous monitoring system or 2) a monitoring method pursuant to an USEPA-approved alternative monitoring plan (AMP). A copy of such approved AMP shall be forwarded to the Executive Officer or designee.

The operator shall install the continuous opacity monitor by the allotted time in NSPS Subpart A 40CFR60.13.

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

[Devices subject to this condition : D1]

- 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 : D154, D155, D156, D157, D158]

- A305.2 Whenever this equipment is in operation, the flue gas recirculation 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 2005, 5-6-2005]**

[Devices subject to this condition : D686]

- A327.1 For the purpose of determining compliance with District Rule 476, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

**[RULE 476, 10-8-1976]**

[Devices subject to this condition : D687, D829]

## **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:

A327.2 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

**[RULE 475, 10-8-1976; RULE 475, 8-7-1978]**

[Devices subject to this condition : D828]

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

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.5 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D360]

B22.2 The operator shall not use this equipment with materials having a(n) true vapor pressure of 11 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D546, D549, D573, D592]

B22.3 The operator shall not use this equipment with materials having a(n) true vapor pressure of 11 psia or greater under actual operating conditions.

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D567]

## 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:

- B22.4 The operator shall not use this equipment with materials having a(n) true vapor pressure of 2.9 psia or greater under actual operating conditions.

Whenever there is a change in material stored, the operator shall determine the true vapor pressure of the material through testing. The true vapor pressure shall be determined from Test methods specified in Rule 1178.

**[RULE 1178, 12-21-2001; 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 : D356, D357, D359, D362, D363, D364]

- B59.1 The operator shall only use the following material(s) in this device :

AO-36 antioxidant, OLI-9070 additive, CI-0801 additive, Standis 425 Conductivity Improver

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D356, D357, D359, D362, D363, D364]

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

Compound	ppm by volume
total sulfur compounds calculated as H <sub>2</sub> S less than or equal to	95

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828, D829]

## 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:

B61.4 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

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

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

[Devices subject to this condition : D39, D41, D42, D129, D133, D135, D136, D137, D138, D139, D142, D144, D146, D148, D150, D152, D154, D155, D156, D157, D158, D161, D163, D194, D220, D259, D260, D262, D264, D329, C436, C456, D684, D686, D687, D688]

B61.5 The operator shall not use diesel fuel containing the following specified compounds:

Compound	weight percent
Sulfur compounds greater than	0.05

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

[Devices subject to this condition : D669, D670, D671, D672, D673, D674, D675, D676, D677, D678, D679, D680, D681, D683, D1553, D1657, D1658]

## 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:

B61.9 The operator shall not use diesel fuel containing the following specified compounds:

Compound	weight percent
Sulfur compounds greater than	0.0015

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1768]

### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 90 day(s) in any one year.

For the purpose of this condition, operating time shall be defined as the time that the flare is operated at any one location.

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

[Devices subject to this condition : C735]

C1.2 The operator shall limit the number of turnovers to no more than 130 in any one year.

**[RULE 204, 10-8-1993]**

[Devices subject to this condition : D556, D557]

C1.3 The operator shall limit the number of turnovers to no more than 47 in any one year.

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

[Devices subject to this condition : D544, D565]

## **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:

- C1.5 The operator shall limit the number of turnovers to no more than 20 in any one year.

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

[Devices subject to this condition : D572]

- C1.6 The operator shall limit the number of turnovers to no more than 153 in any one year.

To comply with this condition, the operator shall install and maintain a(n) EXACT CHAR to accurately indicate the EXACT CHAR EXACT CHAR the SUGGESTED CHAR. CONDITION PARAMETER NOT SET UP

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

[Devices subject to this condition : D545]

- C1.7 The operator shall limit the operating time to no more than 2190 hour(s) in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a large source.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D683]

- C1.8 The operator shall limit the number of turnovers to no more than 306 in any one year.

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

[Devices subject to this condition : D1436]

- C1.9 The operator shall limit the firing rate to no more than 646.3 MM Btu per hour.

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

[Devices subject to this condition : D828]

## **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:

C1.10 The operator shall limit the firing rate to no more than 99 MM Btu per hour.

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

[Devices subject to this condition : D829]

C1.11 The operator shall limit the duration of startup to no more than 6 hour(s).

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828]

C1.12 The operator shall limit the duration of shutdown to no more than 2 hour(s).

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828]

C1.13 The operator shall limit the number of turnovers to no more than 14 in any one year.

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

[Devices subject to this condition : D584]

C1.14 The operator shall limit the number of turnovers to no more than 6 in any one year.

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

[Devices subject to this condition : D586]

C1.16 The operator shall limit the firing rate to no more than 23000 MM Btu in any one year.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D332]

## **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:

C1.18 The operator shall limit the number of turnovers to no more than 30 in any one year.

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

[Devices subject to this condition : D552]

C1.19 The operator shall limit the firing rate to no more than 10 MM Btu per hour.

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

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

[Devices subject to this condition : D40]

C1.20 The operator shall limit the firing rate to no more than 29 MM Btu per hour.

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

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

[Devices subject to this condition : D39]

C1.21 The operator shall limit the firing rate to no more than 27 MM Btu per hour.

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

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

[Devices subject to this condition : D129]

## **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 firing rate to no more than 27 MM Btu per hour.

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

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

[Devices subject to this condition : D148]

C1.23 The operator shall limit the firing rate to no more than 35 MM Btu per hour.

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

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

[Devices subject to this condition : D133]

C1.24 The operator shall limit the firing rate to no more than 17 MM Btu per hour.

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

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

[Devices subject to this condition : D142]

C1.25 The operator shall limit the firing rate to no more than 17 MM Btu per hour.

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

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

[Devices subject to this condition : D260]

## **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 firing rate to no more than 34 MM Btu per hour.

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

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

[Devices subject to this condition : D144]

C1.27 The operator shall limit the firing rate to no more than 38 MM Btu per hour.

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

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

[Devices subject to this condition : D150]

C1.28 The operator shall limit the firing rate to no more than 30 MM Btu per hour.

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

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

[Devices subject to this condition : D152]

C1.33 The operator shall limit the firing rate to no more than 31 MM Btu per hour.

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

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

[Devices subject to this condition : D161]

## **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:

C1.34 The operator shall limit the firing rate to no more than 14 MM Btu per hour.

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

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

[Devices subject to this condition : D163]

C1.35 The operator shall limit the firing rate to no more than 350 MM Btu per hour.

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

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

[Devices subject to this condition : D220]

C1.36 The operator shall limit the firing rate to no more than 39 MM Btu per hour.

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

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

[Devices subject to this condition : D259]

C1.37 The operator shall limit the firing rate to no more than 37 MM Btu per hour.

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

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

[Devices subject to this condition : D262]

## **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:

C1.39 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 : D675, D676, D677, D678, D679, D680, D681, D1553, D1657, D1658, D1768]

C1.40 The operator shall limit the firing rate to no more than 135 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 1301, 12-7-1995]**

[Devices subject to this condition : D264]

C1.41 The operator shall limit the firing rate to no more than 116 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 available to the District personnel upon request.

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

[Devices subject to this condition : D135]

C1.42 The operator shall limit the firing rate to no more than 68 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 available to the District personnel upon request.

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

[Devices subject to this condition : D136]

## **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:

C1.43 The operator shall limit the firing rate to no more than 71 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 available to the District personnel upon request.

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

[Devices subject to this condition : D137]

C1.44 The operator shall limit the firing rate to no more than 56 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 available to the District personnel upon request.

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

[Devices subject to this condition : D138]

C1.45 The operator shall limit the firing rate to no more than 19 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 available to the District personnel upon request.

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

[Devices subject to this condition : D139]

C1.46 The operator shall limit the firing rate to no more than 76 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 1301, 12-7-1995]**

[Devices subject to this condition : D146]

## **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:

C1.49 The operator shall limit the loading rate to no more than 20000 gallon(s) per day.

For the purpose of this condition, loading rate shall be defined as loading of petroleum distillates having a Reid vapor pressure of less than 4 psi.

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

[Devices subject to this condition : D464]

C1.50 The operator shall limit the throughput to no more than 730000 barrel(s) in any one year.

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

[Devices subject to this condition : D549]

C1.57 The operator shall limit the firing rate to no more than 110 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 available to the District personnel upon request.

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

[Devices subject to this condition : D154]

C1.58 The operator shall limit the firing rate to no more than 100 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 available to the District personnel upon request.

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

[Devices subject to this condition : D155]

## **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:

C1.59 The operator shall limit the firing rate to no more than 70 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 available to the District personnel upon request.

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

[Devices subject to this condition : D156]

C1.60 The operator shall limit the firing rate to no more than 42 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 available to the District personnel upon request.

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

[Devices subject to this condition : D157]

C1.61 The operator shall limit the firing rate to no more than 24 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 available to the District personnel upon request.

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

[Devices subject to this condition : D158]

C1.62 The operator shall limit the firing rate to no more than 304 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 available to the District personnel upon request.

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

[Devices subject to this condition : D686]

## **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:

C1.63 The operator shall limit the throughput to no more than 1304 barrel(s) in any one year.

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

[Devices subject to this condition : D529]

C1.65 The operator shall limit the number of turnovers to no more than 35 in any one year.

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 (or turnover) shall be maintained in a manner approved by the District and made available to District personnel upon request.

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

[Devices subject to this condition : D546]

C1.66 The operator shall limit the loading rate to no more than 30 ton(s) in any one month.

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

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

[Devices subject to this condition : D1695, D1697]

## 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:

C1.67 The operator shall limit the throughput to no more than 0.52 MM barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $V / H(\text{subscript } t) \times H(\text{subscript } a)$ , where V is the volume of the tank in barrels based on the most recent version of API Standard 2550, H(subscript t) is the height of the tank based on tank strapping chart, and H(subscript a) is the total vertical one-way liquid surface level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously measure and record the liquid surface level movement. 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 2.0 inch, 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.

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

[Devices subject to this condition : D571]

C1.68 The operator shall limit the operating time to no more than 20 hours in any one calendar year.

The operator shall install and maintain a(n) non-resettable time meter to accurately indicate the elapsed operating time of the engine.

The operator shall keep records in a manner approved by the District, for the following parameter(s) or item(s): An engine operating log listing the date of operation, and the elapsed operating time in hours. The log shall be kept and maintained on file for a minimum of three years, and made available to District personnel upon request.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D670]

## 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:

C1.69 The operator shall limit the throughput to no more than 5,667.50 gallon(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 : D356]

## 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:

C1.70 The operator shall limit the throughput to no more than 4,963.33 gallon(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 : D357]

## 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:

C1.71 The operator shall limit the throughput to no more than 11,338.33 gallon(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 : D359]

## 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:

C1.72 The operator shall limit the throughput to no more than 14,360.83 gallon(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 : D362]

## 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:

C1.73 The operator shall limit the throughput to no more than 5,632.50 gallon(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 : D363]

## 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:

C1.74 The operator shall limit the throughput to no more than 10,963.33 gallon(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 : D364]

## **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:

C1.75 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, 6-1-2007]

[Devices subject to this condition : D675, D676, D677, D678, D679]

C1.76 The operator shall limit the maintenance testing to no more than 30 hours in any one calendar year.

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D1553, D1768]

C1.77 The operator shall limit the maintenance testing to no more than 50 hours in any one calendar year.

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D1657]

## **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:

C1.78 The operator shall limit the maintenance testing to no more than 20 hours in any one calendar year.

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D1658]

C1.79 The operator shall limit the operating time to no more than 100 hours in any one calendar year.

The operator shall keep records in a manner approved by the District, for the following parameter(s) or item(s): An engine operating log listing the date of operation, and the elapsed operating time in hours. The log shall be kept and maintained on file for a minimum of three years, and made available to District personnel upon request.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D683]

C1.80 The operator shall limit the throughput to no more than 55,000 barrel(s) in any one day.

For the purpose of this condition, throughput shall be defined as FCCU feed rate.

The operator shall properly maintain and operate the existing throughput measuring and recording device to show compliance with this limit.

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

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

[Devices subject to this condition : D7]

## **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:

- C6.4 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

The operator shall determine and record the parameter being monitored once every 7 days.

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]**

[Devices subject to this condition : D696]

- C8.1 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 convection section or exhaust stack.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D194]

## **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:

- C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1100 Deg F.

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 reading device to accurately indicate the temperature in the combustion chamber.

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

This condition shall only apply when the incinerator is processing absorber venting gases containing H<sub>2</sub>S of 10 ppmv or greater.

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]**

[Devices subject to this condition : C436, C456]

## **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:

- C12.1 The operator shall use this equipment in such a manner that the combined daily average secondary voltage and secondary current (or total power input) for the two ESPs (C36 and C37) being monitored as indicated below are greater than or equal to the average total value for the two ESPs in the most recent source test which demonstrated compliance with the emission limits.

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. voltage
2. current

at each ESP field. In addition, the operator shall keep records, in a manner approved by the District, for each of these parameters.

If the combined daily average ESP total power input falls below the level measured in the most recent source test which demonstrated compliance with the emission limit, a source test shall be performed within 90 days at the new combined minimum daily average ESP total power level. The source test shall be performed according to the requirements specified in Permit Condition D29.1

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]**

[Devices subject to this condition : C36, C37]

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

- D12.1 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the SCR inlet.

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

[Devices subject to this condition : C830]

- D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D194]

## 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:

- D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

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

[Devices subject to this condition : D675, D676, D677, D678, D679, D680, D681, D683, D1553, D1657, D1658, D1768]

- D12.4 The operator shall install and maintain a(n) measuring device to accurately indicate the steam-to-fuel ratio in the gas turbine combustion chamber.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : D828]

- D12.5 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia-to-emitted-NOx mole ratio at the inlet of the SCR.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : C830]

- D12.6 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage of the gas turbine in SCFH.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : D828]

## **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:

- D12.7 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage of the duct burner in SCFH.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : D829]

- D12.8 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage at the fuel supply line.

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

[Devices subject to this condition : D732]

- D12.9 The operator shall install and maintain a(n) flow meter to accurately indicate the flue gas flow at the stacks each serving this heater.

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

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D135, D136, D137, D138, D139]

- D12.10 The operator shall install and maintain a(n) thermocouple to accurately indicate the presence of a flame at the pilot light.

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 1118, 11-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C706, C723]

## **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:

- D12.13 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter. The operator shall determine and record the parameter being monitored once per month.

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 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C695]

- D12.14 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 : D154, D155, D156, D157, D158]

- D12.15 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flue gas flow in the flue gas recirculation line.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D686]

- D12.18 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1110.2, 2-1-2008]**

[Devices subject to this condition : D732]

## 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:

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted to determine the oxygen concentration at the outlet.

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

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

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

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

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 determine the ROG emissions at the outlet.

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

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 outlet.

The test shall be conducted to determine the PM10 emissions at the outlet.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D194]

## 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:

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

The test shall be conducted at least once every two years, or every 8,760 operating hours, whichever occurs first.

The test shall be conducted to determine the CO emissions using approved District method measured over a 15 minute averaging time period.

The test shall be conducted to demonstrate compliance with Rule 1110.2.

The test shall be conducted to determine the VOC using approved District method measured over a 15 minute averaging time period.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D670, D732]

D28.4 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 test shall be conducted to determine emission rates 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 initial test. The initial and annual tests shall be conducted according to the approved test protocol or any subsequently approved revisions.

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

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 with the equipment 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 1301, 12-7-1995; RULE 2005, 5-6-2005**]

[Devices subject to this condition : D135, D136, D137, D138, D139]

## **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:

D28.5 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 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 initial testing. The initial and subsequent 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 condition of the equipment shall be submitted to the District within 60 days after the test.

**[RULE 1301, 12-7-1995; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D146]

D28.6 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted once every three years to determine the CO and PM emissions.

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]**

[Devices subject to this condition : C436, C456]

## 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:

D28.8 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine and report the high heating value in BTU per SCF, of fuel gas supplied to the gas turbine and duct burner.

The test shall be conducted to determine and report the NO<sub>x</sub> emission factor in lb per MMBtu of rated maximum heat input, from the inlet and outlet of the SCR unit.

The test shall be conducted to determine and report the mass emission rate for ROG, NO<sub>x</sub>, SO<sub>x</sub>, CO, total PM, and PM<sub>10</sub>.

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

The test shall be conducted without the operation of the duct burner when the gas turbine is fired with butane gas.

The test shall be conducted to determine and report the moisture in percent, from the SCR unit outlet.

The District shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted to determine and report the concentration for ROG, NO<sub>x</sub>, SO<sub>x</sub>, CO, total PM, and PM<sub>10</sub>, corrected to 15 percent oxygen, dry basis.

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

The test shall be conducted at least annually.

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 80 percent or greater of the permitted maximum rated capacity (initial and subsequent annual tests).

The test shall be conducted with and without the operation of the duct burner when the gas turbine is fired with refinery gas.

Source test shall be conducted when this equipment is operating with fuels used at normal conditions (subsequent annual tests only).

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

[Devices subject to this condition : D828, D829]

## 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:

D28.11 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted once every three years to determine the PM emissions at the outlet.

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]**

[Devices subject to this condition : D220, D329, D669, D670, D671, D674, D687]

D28.12 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine emission rates of NOX, SOX, ROG and CO at the outlet of the ESPs.

The test shall be conducted to determine emission rates of PM and PM10 at the inlet and outlet of the ESPs simultaneously.

The test shall be conducted to determine the oxygen (%), the carbon dioxide (%) and moisture content in the exhaust gas, and exhaust flow rate.

The test shall be conducted according to the approved test protocol or any subsequently approved revisions. The operator shall submit a test protocol to the District at least 60 days prior to the test.

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

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 with the equipment operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1]

## **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:

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

The test shall be conducted to determine emission rates 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 test. The tests shall be conducted according to the approved test protocol or any subsequently approved revisions.

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

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 with the equipment 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. Emission limits for CO and ROG under NSR applicability will be re-evaluated based on test result.

**[RULE 1301, 12-7-1995; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D154, D155, D156, D157, D158]

D28.17 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted annually to determine the NH3 emission.

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

[Devices subject to this condition : C221]

## **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:

D28.18 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted annually to determine the NH<sub>3</sub> emission.

The test shall be conducted to determine and report the control efficiency of the SCR unit (initial test only).

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

[Devices subject to this condition : C830]

D28.19 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine and report the control efficiency of the CO catalyst unit (initial test only).

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

[Devices subject to this condition : C832]

## 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 of the ESP

The test(s) shall be conducted at least annually.

The test shall be conducted when the equipment is operating under normal conditions.

Source test result shall be submitted to the District no later than 60 days after the source test was conducted

Source test result shall include the following parameters: FCCU feed rate; catalyst recirculation rate; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the ESP; and the average secondary voltage and current (or total power input), and the average spark rate at each of the ESP fields

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

**[RULE 1105.1, 11-7-2003; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D1]

## 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:

D29.2 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
ROG emissions	Approved District method	District-approved averaging time	Outlet of SCR

The test shall be conducted to determine ROG emission rates at the outlet of the SCR in ppmv and in lb/hr.

The test shall be conducted to determine the following parameters: the oxygen content (%), the carbon dioxide (%) and the moisture content in the exhaust gas; exhaust flow rate; and boiler firing rate.

The test shall be conducted with the equipment operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District.

The test(s) shall be conducted at least every 5 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]**

[Devices subject to this condition : D154, D155, D156, D686]

## 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:

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

CO concentration in ppmv

Oxygen concentration in percent volume

The CEMS shall be installed to measure mass flow rate for flue gas

The CEMS shall be installed in accordance with Rule 218

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

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

[Devices subject to this condition : C832]

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

NOX concentration in ppmv

SOX concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

Oxygen concentration in percent volume

The CEMS will convert the actual NOx and SOx concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed to determine the flue gas flow rate

The CEMS shall be installed in accordance with Rules 2011 and 2012

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]**

[Devices subject to this condition : C830]

## **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:

D82.4 The operator shall install and maintain a CEMS to measure the following parameters:

SOX concentration in ppmv

Oxygen concentration in percent volume

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

The CEMS shall be installed in accordance with the requirements of the 40CFR60 Subpart J with an appropriate range approved by the AQMD

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

[Devices subject to this condition : C436, C456, D828, D829]

D82.5 The operator shall install and maintain a CEMS to measure the following parameters:

CO

O2

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

[Devices subject to this condition : D1]

## 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:

- D90.3 The operator shall periodically monitor the VOC concentration at the outlet of the carbon adsorber according to the following specifications:

The operator shall monitor once every day.

The operator shall use a District approved organic vapor analyzer 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 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C520, C522, C524, C526, C528, C530]

- D90.10 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 H<sub>2</sub>S fuel gas monitoring system 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, 6-24-2008]**

[Devices subject to this condition : D687]

- D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

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

[Devices subject to this condition : D669, D670, D671, D672, D673, D674, D675, D676, D677, D678, D679, D680, D681, D1553, D1657, D1658, D1768]

## **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:

D182.4 The operator shall test this equipment in accordance with the following specifications:

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 during each filling operation of the storage silo. The inspection during the filling operation shall be conducted during daylight hours

If any visible emissions are detected, the operator shall stop the filling operation and take corrective action(s) that eliminates the visible emissions and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit

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; and
- 3) Date and time visible emissions was abated

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

[Devices subject to this condition : D1695, D1697]

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 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 a common source of fuel gas.

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

[Devices subject to this condition : D39, D41, D42, D129, D133, D135, D136, D137, D138, D139, D142, D144, D146, D148, D150, D152, D154, D155, D156, D157, D158, D161, D163, D194, D220, D259, D260, D262, D264, D329, C436, C456, D684, D686, D688]

## **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:

- D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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]**

[Devices subject to this condition : C695]

- D322.2 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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]**

[Devices subject to this condition : D696]

- D322.3 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

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]**

[Devices subject to this condition : C1696, C1698]

## 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D12, D13, D14, D1715, D1716, D1717]

## **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 semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D694, C735, C736, C748]

## **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:

D323.3 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 monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D1674]

## **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:

D323.4 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 bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D333]

## **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:

D323.5 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 weekly basis, at least, unless the equipment did not operate during the entire weekly period. The routine weekly 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D1]

## **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:

D323.6 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 daily basis, at least, unless the equipment did not operate during the entire daily period. The routine daily 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D44]

## **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 : D1, D39, D40, D41, D42, D44, D129, D133, D135, D136, D137, D138, D139, D142, D144, D146, D148, D150, D152, D154, D155, D156, D157, D158, D161, D163, D194, D220, D259, D260, D262, D264, D329, D332, D333, C436, C456, D684, D686, D687, D688, D828, D829]

- 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 : D698]

- 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 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 : D40]

## **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:

D381.1 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 quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly 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, the operator shall 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.

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; and
- 3). Date and time visible emission was abated.

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]**

[Devices subject to this condition : C695]

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

E54.2 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C221 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: During the startup and shutdown intervals when the flue gas temperature is less than 550 degrees F

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

[Devices subject to this condition : D220]

## **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:

- E54.4 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Requirement number 1: During periods of startup, shutdown, or on-line fuel transfer

Device ID: C832 [CO OXIDATION CATALYST, ME-109, ENGELHARD, 160 CF, 22 IN W X 218 IN L X 492 IN H, HONEYCOMB PLATINUM TYPE OR EQUIVALENT]

Device ID: C830 [SELECTIVE CATALYTIC REDUCTION, ME-108, ISHIKAWAJIMA-HARIMA INDUSTRIES, HONEYCOMB ZEOLITE TYPE, FOLLOWING STEAM INJECTION CONTROL (TURBINE COMBUSTOR)]

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

[Devices subject to this condition : D828]

- E57.1 The operator shall vent this equipment to both North and South Electrostatic Precipitators whenever the FCC unit is in operation.

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

[Devices subject to this condition : D1715, D1716]

- E57.4 The operator shall vent this equipment to the incinerator whenever this equipment is in operation.

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

[Devices subject to this condition : D428, D451]

- E71.1 The operator shall only use this equipment during start-up.

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

[Devices subject to this condition : D44]

## **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 only inject ammonia into this equipment if the flue gas inlet temperature is at least 600 degrees F.

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

[Devices subject to this condition : C830]

- E71.3 The operator shall only use natural gas and butane in this equipment during the periods of startup.

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

[Devices subject to this condition : D828]

- E71.5 The operator shall not use this equipment for silica type abrasive blasting process.

**[RULE 1401, 3-7-2008]**

[Devices subject to this condition : D694]

- E71.17 The operator shall not use this equipment to load additive unless the loading rate is less than or equal to 100 pounds per day for DeNOX and 150 pounds per day for DeSOX additives.

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

[Devices subject to this condition : D1674]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator shall not use the duct burner if any of the following requirement(s) are met:

Butane gas is used in the gas turbine.

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

[Devices subject to this condition : D829]

## **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:

- E73.2 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use steam injection if any of the following requirement(s) are met:

During startup, shutdown, or on-line fuel transfer

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

[Devices subject to this condition : D828]

- E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

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]**

[Devices subject to this condition : C36, C37, C695, D1716]

- 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]**

[Devices subject to this condition : C520, C522, C524, C526, C528, C530]

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

Sampling ports shall be provided in accordance with EPA Source Test Method 201A for determination of PM10 emissions

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

[Devices subject to this condition : D828]

## **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:

E193.4 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

The operator shall install, operate and maintain a stack gas flow meter at the flare stack in according to the Rule 1118 compliance plan approved by the District.

The operator shall install, operate and maintain a flare gas sampling port/facility at a location upstream of the Merox off-gas connection in according to the Rule 1118 compliance plan approved by the District.

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

[Devices subject to this condition : C706, C723, C748]

E226.1 The following condition number(s) shall only apply if all of the requirement(s) stated below are met:

Requirement 1: During the startup, shutdown, or on-line fuel transfer periods

Condition Number A 195- 2

Condition Number A 195- 3

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D828]

## 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:

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

All vent gases under normal operating conditions shall be directed to a reactor combustion chamber B-104 (Device D333).

All vent gases during shutdown of the combustion chamber B-104 (Device D333) shall be directed to a caustic scrubber F-404 (Device C1545) in tandem with a carbon adsorber (Device C1678) with at least one series of adsorbers in operation.

This equipment shall not be operated unless the above air pollution control system is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D1525]

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

All vent gases under normal operating conditions shall be directed to a reactor combustion chamber (Device D333).

This equipment shall not be operated unless the reactor combustion chamber is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D1386]

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

All vent gases shall be directed to the vapor recovery system(s) (Process 17, Systems 6 and 7).

This equipment shall not be operated unless the vapor recovery system(s) is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D79, D88, D665]

## **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:

E336.4 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be directed to the LPG flare (Process 17, System 4).

This equipment shall not be operated unless the LPG flare is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D659, D660]

### **G. CEQA Requirements**

G292.1 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 06/05/1996 for this facility.

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D826, D827, D828, D829, C830, C832, S1369, D1383, D1471]

### **H. Applicable Rules**

H1.1 The operator shall comply with the terms and conditions of PSD permit number NSR 4-4-9, LA 79-02 issued for this equipment by USEPA on 11/01/1979.

**[40CFR 52.21 - PSD, 6-19-1978]**

[Devices subject to this condition : D687]

## 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
SOX	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

The operator shall keep records to demonstrate compliance or exemption from this condition.

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

[Devices subject to this condition : D1, D39, D41, D42, D129, D133, D135, D136, D137, D138, D139, D142, D144, D146, D148, D150, D152, D154, D155, D156, D157, D158, D161, D163, D194, D220, D259, D260, D262, D264, D329, C436, C456, D684, D686, D687, D688, D828, D829]

H23.2 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 : D556, D1565, D1569, D1571, D1573, D1575, D1577, D1579, D1581, D1583, D1587, D1589, D1590, D1591, D1596, D1597, D1599, D1600, D1601, D1602, D1604, D1605, D1606, D1607, D1608, D1609, D1611, D1612, D1613, D1617, D1618, D1619, D1620, D1621, D1623, D1800, D1801, D1802, D1803, D1804]

## 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:

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	GGG
VOC	District Rule	1173

**[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; 40CFR 60 Subpart GGG, 6-7-1985]**

[Devices subject to this condition : D253, D827, D1566]

H23.6 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 : E1640]

H23.7 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 : E1689]

## 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:

H23.8 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 : E1645]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb
Benzene	40CFR61, SUBPART	FF

[40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition : D546, D549, D555, D556, D602, D612, D630, D633]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	GG

[40CFR 60 Subpart GG, 2-24-2006]

[Devices subject to this condition : D828]

## 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:

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1140

**[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985]**

[Devices subject to this condition : D694]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

**[40CFR 60 Subpart Kb, 10-15-2003]**

[Devices subject to this condition : D516, D517, D575, D576, D584, D586, D610, D615]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	K

**[40CFR 60 Subpart K, 5-5-1989]**

[Devices subject to this condition : D563, D567, D626, D629]

## 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:

H23.17 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]

[Devices subject to this condition : E1638, E1639]

H23.18 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 82 Subpart B, 7-14-1992**]

[Devices subject to this condition : E1641]

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 : E1642, E1643]

## 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:

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481

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

[Devices subject to this condition : D696]

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

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D1]

H23.25 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	40CFR60, SUBPART	J
PM	40CFR60, SUBPART	J

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

[Devices subject to this condition : D1]

## 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:

H23.27 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 Request for Alternative Monitoring Plan submitted to EPA on December 13, 2007. A copy of the monitoring data shall be made available to the Executive Officer or designee upon request

The operator shall maintain records in a manner approved by the District to demonstrate compliance with the requirements specified under this condition

[ CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]

[Devices subject to this condition : C736]

H23.28 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 : C706, C723, C735, C736, C748]

## 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:

H23.29 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 : D675, D676, D677, D678, D679, D1553, D1657, D1658, D1768]

H23.30 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 : D670, D732]

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

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

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D669, D671, D672, D673, D674]

## 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
H2S	40CFR60, SUBPART	J

[ CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]

[Devices subject to this condition : C706, C723, C748]

H23.33 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Ka

[40CFR 60 Subpart Ka, 5-5-1989]

[Devices subject to this condition : D610]

### I. Administrative

I1.1 The operator shall comply with all the requirements of the variance dated June 26, 2003, case No. 4900-57 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 : D1587]

## **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:

- I1.2 The operator shall comply with all the requirements of of the variance dated May 8, 2008, Case No. 4900-79 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 1118, 2-13-1998; **RULE 1118, 11-4-2005**]

[Devices subject to this condition : C706, C723, C735, C736, C748]

#### **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 : D697]

- 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 : D698]

#### **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:

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

Source test results shall be submitted to the District no later than 45 days after the source test was conducted.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D194]

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : C830]

## 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:

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

Source test results shall also include the following operating parameters under which the test was conducted.

FCCU design capacity (MBPD), feed rate (MBPD), density, sulfur content (%) and source (vacuum gas oil, coker gas oil) of feed, flow rates of air to FCCU regenerator (dscfm), amount of combustion promoter, De-NOx and De-SOx catalyst used (lb/day), catalyst recirculation rate (ton/day), and make-up catalyst rate (ton/day); coke burn-off rate (lbs/hr), the average secondary voltage and current (or total power input), and the average spark rate at each of the ESP field and ESP NH3 injection rate (lb/hr).

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput records, types of liquids stored, and the true vapor pressure ranges of such liquid shall be maintained for a period of two years and made available upon request of AQMD personnel

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

[Devices subject to this condition : D665, D1368]

## 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:

K67.3 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. Date of Operation
- B. Total hours of operation
- C. Type of liquid and/or type of gaseous fuel
- D. Fuel consumption (cubic feet of gas or gallons of liquid)
- E. Reason for operation.

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

[Devices subject to this condition : D680, D681]

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

The concentration of total sulfur compounds, calculated as H<sub>2</sub>S, in the refinery fuel gas on a daily basis

The concentration of total sulfur compounds shall be measured using a method approved in writing by the AQMD

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

[Devices subject to this condition : D828]

## **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:

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

Daily inspections and maintenance of all the valves at this equipment

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

[Devices subject to this condition : D701, D702]

K67.7 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 : D356, D357, D358, D359, D360, D361, D362, D363, D364, D370, D371, D531, D535, D536, D537, D543, D544, D547, D548, D550, D551, D553, D554, D555, D556, D557, D558, D559, D560, D561, D563, D564, D566, D567, D568, D569, D570, D572, D573, D574, D575, D576, D577, D578, D579, D583, D587, D588, D589, D591, D592, D593, D594, D595, D596, D597, D598, D599, D600, D601, D602, D604, D605, D606, D607, D609, D610, D611, D612, D613, D614, D615, D616, D617, D619, D621, D622, D623, D624, D625, D626, D627, D628, D629, D630, D631, D632, D633, D634, D635, D636, D637, D638]

## 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):

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, 11-8-1996; RULE 1113, 7-13-2007; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E1644]

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

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and description of any maintenance or repairs resulting from the inspection

the date, time and results of the inspection

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]**

[Devices subject to this condition : C695, D696]

## 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:

K67.11 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 storage 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 Rule 463(d), 1149, 1178, and 40CFR63 Subpart CC.

**[RULE 1149, 7-14-1995; RULE 1178, 12-21-2001; RULE 1301, 12-7-1995; RULE 463, 5-6-2005; 40CFR 63 Subpart CC, 5-25-2001]**

[Devices subject to this condition : D571]

K67.13 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 1470, 6-1-2007]

[Devices subject to this condition : D675, D676, D677, D678, D679, D1553, D1657, D1658, D1768]

## **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:

K67.14 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. 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)
- D. Cumulative hours of operation since the last source test required by the rule.

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 : D670, D732]

K67.15 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. 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 : D669, D671, D672, D673, D674]

## **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:

K171.2 The operator shall provide to the District the following items:

Final drawings and/or specifications of the geodesic dome cover, slotted/unslotted guidepole, wiper, and other tank appurtenances upgrades being installed/constructed shall be submitted to the District within 60 days after construction.

**[RULE 1178, 12-21-2001]**

[Devices subject to this condition : D559, D563, D587, D604]

## 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 compound 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 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 Regulation, 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 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. 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 June 30, 1997 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]

#### 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 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.
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

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

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

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 : FLUID CATALYTIC CRACKING</b>					P13.2
<b>System 1 : FCCU Unit 152</b>					S13.6, S15.2, S15.3, S42.1
REGENERATOR, BB-601, HEIGHT: 81 FT; DIAMETER: 34 FT 9 IN A/N: 460015 Permit to Construct Issued: 06/12/07	D1	D44 C1742 C1743	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>CO: 500 PPMV (8) [40CFR 60 Subpart J,6-24-2008;40CFR 63 Subpart UUU,4-20-2006] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982]</b>  <b>CO: 500 PPMV (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005] ; HAP: (10) [40CFR 63 Subpart UUU, #2,4-11-2002]</b>  <b>NOX: 20 PPMV (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005] ; NOX: 40 PPMV (5B) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]</b>  <b>PM: 2.8 LBS/1000 BBLs FRESH FEED (5A) [RULE 1105.1,11-7-2003] ; PM: 0.5 LB(S)/1000 LBS COKE BURNOFF (5B) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]</b>	A1.1, A26.3, A195.7, A195.8, A195.9, A195.10, A195.11, A195.12, A195.13, A229.1, D29.3, D29.4,  D82.5, D323.5, D328.1, D425.1, D425.2, H23.1, H23.23, H23.25, K40.3

- \* (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
				<p><b>PM:</b> 1 LB(S)/1000 LBS COKE BURNOFF (8) [40CFR 60 Subpart J,6-24-2008] ; <b>PM:</b> 30 PERCENT OPACITY (8) [40CFR 60 Subpart J,6-24-2008]</p> <p><b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986] ; <b>PM:</b> 0.01 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>SO2:</b> 25 PPMV (5) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005]</p> <p><b>SO2:</b> 50 PPMV (5A) [ CONSENT DECREE CIVIL NO. H-05-0258,1-27-2005] ; <b>SO2:</b> 9.8 LB(S)/1000 LBS COKE BURNOFF (8) [40CFR 60 Subpart J,6-24-2008]</p>	
COLUMN, WEST MAIN, D-2, GAS OIL, HEIGHT: 90 FT; DIAMETER: 16 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D2				
COLUMN, STRIPPER, D-3, CYCLE OIL, HEIGHT: 23 FT 11 IN; DIAMETER: 4 FT 1 IN A/N: 460015 Permit to Construct Issued: 06/12/07	D3				

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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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### 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 : FLUID CATALYTIC CRACKING</b>					P13.2
COLUMN, EAST MAIN, D-102, GAS OIL, HEIGHT: 89 FT 8 IN; DIAMETER: 14 FT 6 IN A/N: 460015 Permit to Construct Issued: 06/12/07	D4				
COLUMN, STRIPPER, D-103, LT. CYCLE OIL, HEIGHT: 23 FT 11 IN; DIAMETER: 4 FT 1 IN A/N: 460015 Permit to Construct Issued: 06/12/07	D5				
COLUMN, AUXILIARY, D-601, HEIGHT: 54 FT 3 IN; DIAMETER: 19 FT 2 IN A/N: 460015 Permit to Construct Issued: 06/12/07	D6				
REACTOR, DD-601, HEIGHT: 142 FT; DIAMETER: 26 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D7				C1.80
ACCUMULATOR, F-1, LENGTH: 25 FT; DIAMETER: 8 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D8				
CYCLONE, F-100, THIRD STAGE SEPARATOR, HEIGHT: 57 FT 7 IN; DIAMETER: 20 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D1715				D323.1, E57.7

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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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
CYCLONE, F-400, FOURTH STAGE SEPARATOR, HEIGHT: 21 FT; DIAMETER: 5 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D1716				D323.1, E57.7, E102.2
SETTLING TANK, F-606, HEIGHT: 34 FT 3 IN; DIAMETER: 12 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D11				
HOPPER, FF-601, CATALYST A/N: 460015 Permit to Construct Issued: 06/12/07	D12			PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, FF-602, CATALYST A/N: 460015 Permit to Construct Issued: 06/12/07	D13			PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, FF-603, CATALYST A/N: 460015 Permit to Construct Issued: 06/12/07	D14			PM: (9) [RULE 405,2-7-1986]	
HOPPER, F-401, CATALYST FINES STORAGE A/N: 460015 Permit to Construct Issued: 06/12/07	D1717			PM: (9) [RULE 405,2-7-1986]	D323.1
COMPRESSOR, GG-601, MAIN BLOWER, 140,000 SCFM A/N: 460015 Permit to Construct Issued: 06/12/07	D15				
GENERATOR, GG-602, HOT GAS, 12 KW ELECTRIC A/N: 460015 Permit to Construct Issued: 06/12/07	D1502				

- \* (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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
COMPRESSOR, GG-703, HOT GAS A/N: 460015 Permit to Construct Issued: 06/12/07	D1503				
POT, CATALYST, WITH A VENT POT, HEIGHT: 3 FT 8 IN; DIAMETER: 2 FT 1 IN A/N: 460015 Permit to Construct Issued: 06/12/07	D1674			<b>PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]</b>	D323.3, E71.17
ACCUMULATOR, F-101, LENGTH: 20 FT; DIAMETER: 8 FT A/N: 460015 Permit to Construct Issued: 06/12/07	D1691				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 460015 Permit to Construct Issued: 06/12/07	D1565			<b>HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]</b>	H23.2
<b>System 3 : FCCU AIR POLLUTION CONTROL</b>					
SCRUBBER, EJ-751A/B/C/D, HIGH ENERGY VENTURI, FIXED THROAT,EMHRC, MODEL HEV, 4 TOTAL, HEIGHT: 88 FT; DIAMETER: 24 FT WITH INJECTOR, CAUSTIC SOLUTION A/N: 460016 Permit to Construct Issued: 06/12/07	C1740				C12.3

- \* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FLUID CATALYTIC CRACKING</b>					P13.2
VESSEL, WET GAS SCRUBBER DISENGAGING DRUM, FC-751, EMHRC, BOTTOM SECTION, HEIGHT: 95 FT 4 IN; DIAMETER: 24 FT WITH A/N: 460016 Permit to Construct Issued: 06/12/07  MANIFOLD, FLOW STRAIGHTENER, CHIMNEY TRAY VANES  MIST ELIMINATOR, STRUCTURED	C1741				
ELECTROSTATIC PRECIPITATOR, WET, FC-752, WITH WATER SPRAY, SONIC KLEEN, MODEL WESP-516- 316L-10H16, TOP SECTION, 1ST STAGE, 2 FIELDS, TOP SECTION, 84 KVA WITH A/N: 460017 Permit to Construct Issued: 06/12/07  BLOWER, 7.5 HP, PURGE AIR  COMPARTMENT, PRECOOLER, PRETREATMENT	C1742	D1 C1743		<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #2,2-9-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C12.2, E71.25
ELECTROSTATIC PRECIPITATOR, WET, FC-753, WITH WATER SPRAY, SONIC KLEEN, MODEL WESP-516- 316L-10H16, TOP SECTION, 2ND STAGE, 2 FIELDS, 84 KVA WITH A/N: 460017 Permit to Construct Issued: 06/12/07	C1743	D1 C1742 S1750		<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #2,2-9-2005] ; <b>PM10:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C12.2, E71.25

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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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### 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 1 : FLUID CATALYTIC CRACKING</b>					P13.2
BLOWER, PURGE AIR, 7.5 HP  MIST ELIMINATOR, POST TREATMENT					
STACK A/N: 460017 Permit to Construct Issued: 06/12/07	S1750	C1743			
TANK, TK-715, CLARIFIER, WITH SLUDGE REMOVAL ARM, WITH FLOCCULANT INJECTION, HEIGHT: 12 FT; DIAMETER: 12 FT 6 IN A/N: 460017 Permit to Construct Issued: 06/12/07	D1751				
SUMP, SE-750, WIDTH: 6 FT; DEPTH: 6 FT; LENGTH: 20 FT WITH A/N: 460017 Permit to Construct Issued: 06/12/07  PUMP, G-765, SUMP	D1753				
TANK, TK-752, SULFITE OXIDATION, CAUSTIC, HEIGHT: 20 FT; DIAMETER: 11 FT WITH A/N: 460017 Permit to Construct Issued: 06/12/07  MIXER, INTERNAL RECIRCULATION  INJECTOR, AIR	D1754				

- \* (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : FLUID CATALYTIC CRACKING</b>					P13.2
INJECTOR, CAUSTIC SOLUTION, PH CONTROL					
HOPPER, TK-754, WET FINES, 8,000 GALS WITH A/N: 460017 Permit to Construct Issued: 06/12/07 LOADING CONNECTIONS, HOSE, VACUUM TRUCK LOADING	D1759				
BIN, HOLDING, ROLL-OFF, ME-755 A/B, 675 CU.FT.; 2 TOTAL WITH A/N: 460017 Permit to Construct Issued: 06/12/07 FILTER, 150 MICRON SCREEN	D1761				E71.27, E73.4
<b>Process 2 : HYDROTREATING</b>					P13.2
<b>System 1 : HCAT HYDROTREATER UNIT 59 (UNIFINING UNIT 59)</b>					S4.1, S13.6, S15.2, S15.3
FRACTIONATOR, D-101, HEIGHT: 51 FT; DIAMETER: 10 FT 6 IN A/N: 326109 † Permit to Construct Issued: 04/03/96	D1345				
ACCUMULATOR, F-101, FRACTIONATOR OVERHEAD, LENGTH: 16 FT; DIAMETER: 7 FT A/N: 326109 † Permit to Construct Issued: 04/03/96	D1346				

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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 2 : HYDROTREATING</b>					P13.2
FILTER, F-150 A, REFLUX A/N: 326109 † Permit to Construct Issued: 04/03/96	D1347				
FILTER, F-150 B, REFLUX A/N: 326109 † Permit to Construct Issued: 04/03/96	D1348				
REACTOR, D-A, HEIGHT: 24 FT; DIAMETER: 10 FT A/N: 326109 † Permit to Construct Issued: 04/03/96	D1455				
<b>System 3 : MID-BARREL HYDROTREATER UNIT 89 (UNIFINING UNIT 89)</b>					S4.1, S11.1, S13.6, S15.2, S15.8
PUMP, 89-G-114, TURBINE DRYER REFLUX, CENTRIFUGAL, TANDEM MECHANICAL SEALS, 5-HP A/N: 327360 † Permit to Construct Issued: 02/23/95	D1376				
<b>System 4 : DIESEL HYDROTREATER UNIT 90 (UNIFINING UNIT 90)</b>					S11.1, S13.6, S13.10, S15.2, S15.10, S31.1
TANK, SURGE, F-205, FEED, WITH VENT CONNECTION TO VAPOR RECOVERY/FLARE SYSTEM, LENGTH: 24 FT; DIAMETER: 12 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D86				E57.5

- \* (1) Denotes RECLAIM emission factor
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- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) 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 2 : HYDROTREATING</b>					P13.2
REACTOR, D-401A, HEIGHT: 69 FT 9 IN; DIAMETER: 13 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D1701				
SCRUBBER, D-302, RECYCLE GAS, HEIGHT: 46 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D82				
REACTOR, D-401B, HEIGHT: 69 FT 9 IN; DIAMETER: 13 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D1702				
COLUMN, TURBINE STOCK STRIPPER, D-205, HEIGHT: 56 FT; DIAMETER: 5 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D83				
VESSEL, HOT SEPARATOR, F-401, HEIGHT: 24 FT; DIAMETER: 8 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D1703				
VESSEL, SEPARATOR, F-201, HOT, IDLE, LENGTH: 25 FT; DIAMETER: 5 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D84				E71.23

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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 2 : HYDROTREATING</b>					P13.2
VESSEL, COLD SEPARATOR, F-402, WITH BYPASS CONNECTION TO VAPOR RECOVERY/FLARE SYSTEM, HEIGHT: 22 FT; DIAMETER: 7 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D1704				E448.2
VESSEL, SEPARATOR, F-202, COLD, IDLE, LENGTH: 21 FT; DIAMETER: 4 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D85				E71.23
COLUMN, H2S STRIPPER, D-202, HEIGHT: 58 FT; DIAMETER: 8 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D81				
REACTOR, D-202, IDLE, HEIGHT: 35 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D1705				E71.23
ACCUMULATOR, F-206, RERUN COLUMN OVERHEAD, LENGTH: 24 FT; DIAMETER: 8 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D87				
ACCUMULATOR, F-207, TURBINE STOCK STRIPPER, LENGTH: 12 FT; DIAMETER: 2 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D88				E336.3

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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> |
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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 : HYDROTREATING</b>					P13.2
VESSEL, SEPARATOR, F-213, HEIGHT: 4 FT; DIAMETER: 2 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D90				
TANK, SURGE, F-215, MERCAPTAN, LENGTH: 14 FT 3 IN; DIAMETER: 5 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D91				
TANK, FLASH, F-301, RICH MEA, WITH BYPASS CONNECTION TO VAPOR RECOVERY/FLARE SYSTEM, HEIGHT: 12 FT; DIAMETER: 4 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D92				E57.6, E71.6
COMPRESSOR, GB-201B, RECYCLE GAS, RECIPROCATING A/N: 423384 Permit to Construct Issued: 09/21/04	D93				
COMPRESSOR, GB-301, RECYCLE GAS, CENTRIFUGAL, CAPACITY 68.8 MMSCFD A/N: 423384 Permit to Construct Issued: 09/21/04	D94				E193.5, H23.22
REACTOR, D-201, IDLE, HEIGHT: 35 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D95				E71.23

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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.

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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 2 : HYDROTREATING</b>					P13.2
COLUMN, RERUN, D-203, HEIGHT: 79 FT 6 IN; DIAMETER: 13 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D96				
COLUMN, SIDESTREAM STRIPPER, D-204, HEIGHT: 32 FT; DIAMETER: 6 FT 6 IN A/N: 423384 Permit to Construct Issued: 09/21/04	D97				
ACCUMULATOR, F-203, PRIMARY STRIPPER OVERHEAD, LENGTH: 6 FT; DIAMETER: 3 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D98				
ACCUMULATOR, F-204, FINAL STRIPPER OVERHEAD, WITH BYPASS CONNECTION TO VAPOR RECOVERY/FLARE SYSTEM, LENGTH: 4 FT; DIAMETER: 3 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D99				E57.6, E71.6
PUMP, CENTRIFUGAL, 90-G-201, ACCUMULATOR FEED, WITH TANDEM MECHANICAL SEALS, 200-HP A/N: 423384 Permit to Construct Issued: 09/21/04	D1495				
FILTER, F-216, CLAY, HEIGHT: 4 FT 6 IN; DIAMETER: 4 FT A/N: 423384 Permit to Construct Issued: 09/21/04	D1511				

- \* (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

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 : HYDROTREATING</b>					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 423384 Permit to Construct Issued: 09/21/04	D1575			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.22
<b>System 9 : HYDROTREATING UNIT 90 HEATERS</b>					
HEATER, 90-B-401, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 41.3 MMBTU/HR WITH A/N: 437423 Permit to Construct Issued: 10/03/05	D1720	C1722	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>CO:</b> 400 PPMV (8) [40CFR 63 Subpart DDDDD,12-6-2006] ; <b>CO:</b> 10 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; <b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982]  <b>NOX:</b> 5 PPMV REFINERY/NATURAL GAS (4) [RULE 2005,5-6-2005] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>SO2:</b> 20 PPMV (8) [40CFR 60 Subpart J,6-24-2008]	A99.3, A99.4, A195.4, A195.5, B61.6, C1.26, D28.21, D82.4, D328.1, H23.1, H23.24
BURNER, REFINERY/NATURAL GAS, ZEECO, MODEL GLSF, WITH LOW NOX BURNER, 4 TOTAL; 10.33 MMBTU/HR					

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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 2 : HYDROTREATING</b>					P13.2
SELECTIVE CATALYTIC REDUCTION, HITACHI-ZOSEN, CORMETECH, HALDOR TOPSOE, CERAMIC MONOLITHIC HONEYCOMB TYPE, 150 CU.FT. WITH A/N: 465739 Permit to Construct Issued: 01/24/08  INJECTOR, AQUEOUS AMMONIA, WITH TWO 150 POUNDS STANDBY CYLINDERS OF ANHYDROUS AMMONIA  METERING SKID, DILUTION AIR FAN, GB-404A/B  DRUM, AMMONIA VAPORIZER, F-404  FILTER, AQUEOUS AMMONIA, F- 405A/B/C/D, 4 TOTAL  FILTER, ANHYDROUS AMMONIA, F-406A/B  DRUM, DAY POT, AQUEOUS AMMONIA, F-408	C1722	D1720		<b>NH3: 5 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]</b>	A195.6, B61.7, D12.5, D12.16, D29.8, E71.24, K40.4

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| * (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 | (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 |
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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 : CATALYTIC REFORMING</b>					P13.2
<b>System 1 : CATALYTIC REFORMING UNIT 80</b>					S4.1, S11.1, S13.6, S15.2, S15.3
FRACTIONATOR, 80-D-300, REFORMATE, HEIGHT: 70 FT; DIAMETER: 7 FT 6 IN A/N: 326115 † Permit to Construct Issued: 02/23/95	D1373			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
ACCUMULATOR, 80-F-300, REFORMATE FRACTIONATOR OVERHEAD, LENGTH: 18 FT; DIAMETER: 5 FT 6 IN A/N: 326115 † Permit to Construct Issued: 02/23/95	D1374			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
TANK, 80-F-301, REFORMATE CONDENSATE, HEIGHT: 9 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 326115 † Permit to Construct Issued: 02/23/95	D1375			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	
<b>System 3 : CATALYTIC REFORMING UNIT 100</b>					S4.1, S11.1, S13.6, S15.2, S15.3
COLUMN, 100-V-125, REFORMATE SPLITTER A/N: 326116 † Permit to Construct Issued: 07/15/94	D754			<b>HAP:</b> (10) [40CFR 63 Subpart UUU, #1,4-11-2002]	

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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 4 : HYDROGEN PRODUCTION</b>					P13.2
<b>System 2 : HYDROGEN GENERATION UNIT 118</b>					S2.1, S4.1, S11.1, S13.5, S13.6, S15.2, S15.3
KNOCK OUT POT, 118-V-401, HEIGHT: 10 FT; DIAMETER: 5 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D755			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
REACTOR, DESULFURIZERS, 118-R-402A A/N: 451293 Permit to Construct Issued: 06/08/06	D756				
REACTOR, DESULFURIZERS, 118-R-402B, HEIGHT: 22 FT; DIAMETER: 9 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D757				
KNOCK OUT POT, 118-V-404, HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D758				
COMPRESSOR, 118-C-401A, RECIPROCATING TYPE, 4250 H.P. A/N: 451293 Permit to Construct Issued: 06/08/06	D759				H23.3
COMPRESSOR, 118-C-401B, RECIPROCATING TYPE, 4250 H.P. A/N: 451293 Permit to Construct Issued: 06/08/06	D760				H23.3

- \* (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

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
VESSEL, COALESCER, 118-ME-406, LUBE OIL, HEIGHT: 6 FT 4 IN; DIAMETER: 1 FT 4 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D761				
REACTOR, DESULFURIZER, 118-R-404A, HEIGHT: 1 FT 8 IN; DIAMETER: 10 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D764				
REACTOR, DESULFURIZER, 118-R-404B, HEIGHT: 1 FT 8 IN; DIAMETER: 10 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D765				
REACTOR, 118-H-401, REFORMING, TUBULAR TYPE A/N: 451293 Permit to Construct Issued: 06/08/06	D766				
DRUM, BLOWDOWN, 118-V-408, HEIGHT: 10 FT; DIAMETER: 3 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D768				
REACTOR, 118-R-405, HEIGHT: 14 FT; DIAMETER: 9 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D769				
REACTOR, DEAERATOR, 118-V-406, LENGTH: 2 FT; DIAMETER: 9 FT A/N: 451293 Permit to Construct Issued: 06/08/06	D772	D1349			E73.3, K67.12

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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 4 : HYDROGEN PRODUCTION</b>					P13.2
VESSEL, SEPARATOR, 118-V-403, HEIGHT: 10 FT; DIAMETER: 4 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D773				
ABSORBER, 118-V-420A, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D775				
ABSORBER, 118-V-420B, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D776				
ABSORBER, 118-V-420C, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D777				
ABSORBER, 118V-420D, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D778				
ABSORBER, 118-V-420E, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D779				
ABSORBER, 118-V-420F, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D780				

- \* (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 4 : HYDROGEN PRODUCTION</b>					P13.2
ABSORBER, 118-V-420G, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D781				
ABSORBER, 118-V-420H, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D782				
ABSORBER, 118-V-420I, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D783				
ABSORBER, 118-V-420J, HEIGHT: 21 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D784				
FILTER, 118-F-420, HEIGHT: 6 FT 2 IN; DIAMETER: 8 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D785				
TANK, HOLDING, 118-V-421, PSA OFFGAS, HEIGHT: 68 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D786				
VESSEL, COALESCER, 118-ME-407, HEIGHT: 6 FT 4 IN; DIAMETER: 1 FT 8 IN A/N: 451293 Permit to Construct Issued: 06/08/06	D787				

- \* (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : HYDROGEN PRODUCTION</b>					P13.2
VESSEL, MODULE, 118-ME-403, WATER TREATMENT A/N: 451293 Permit to Construct Issued: 06/08/06	D789				
VESSEL, MODULE, 118-ME-405, COOLING TOWER CHEMICAL A/N: 451293 Permit to Construct Issued: 06/08/06	D790				
VESSEL, 118-V-412, HOT PROCESS CONDENSATE SEPARATOR A/N: 451293 Permit to Construct Issued: 06/08/06	D1725				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 451293 Permit to Construct Issued: 06/08/06	D1585				H23.3
<b>System 4 : HYDROGEN GENERATION UNIT 118 HEATERS</b>					S11.1
HEATER, HYDROGEN REFORMING, 118-H-401, NATURAL GAS, PSA GAS, REFINERY/NATURAL GAS, HOWE BAKER ENGINEERS, WITH LOW NOX BURNER, 460 MMBTU/HR WITH A/N: 451294 Permit to Construct Issued: 06/08/06	D1349	D772 C1352	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 4.8 LBS/HR (7) [RULE 2005,5-6- 2005] ; NOX: 7 PPMV (7) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986] ; SO2: 20 PPMV (8) [40CFR 60 Subpart J,6-24-2008]	A63.1, A195.1, B61.1, D28.2, D82.4, D328.1, E54.3, H23.1, K67.1, K67.4

- \* (1) Denotes RECLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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## FACILITY PERMIT TO OPERATE 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 4 : HYDROGEN PRODUCTION</b>					P13.2
BURNER, 72 BURNERS, NATURAL GAS, PSA GAS, REFINERY/NATURAL GAS, CALLIDUS, MODEL LE-CRG, WITH LOW NOX BURNER, 460 MMBTU/HR				SOX: 11.1 LBS/HR (7) [RULE 2005,5-6-2005]	
<b>System 5 : H2 GENERATION U118 SCR SYSTEM SERVING HEATER 118-H-401</b>					S11.1
SELECTIVE CATALYTIC REDUCTION, 357 CU.FT. WITH A/N: 328166 Permit to Construct Issued: 05/28/97  AMMONIA INJECTION, AQUEOUS AMMONIA, WITH A STANDBY ANHYDROUS AMMONIA UNIT	C1352	D1349		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]	D12.1, D28.17, E71.2
<b>Process 5 : HYDROCRACKING</b>					P13.2
<b>System 1 : HYDROCRACKING UNIT 120</b>					S4.1, S11.1, S13.6, S15.2, S15.9
ACCUMULATOR, 120-F-208, FRACTIONATOR OVERHEAD, LENGTH: 24 FT; DIAMETER: 7 FT A/N: 326121 † Permit to Construct Issued: 02/28/96	D237				

- \* (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 5 : HYDROCRACKING</b>					P13.2
FRACTIONATOR, 120-D-215, MEDIUM UNICRACKATE, HEIGHT: 80 FT 6 IN; DIAMETER: 6 FT A/N: 326121 † Permit to Construct Issued: 02/28/96	D1361				
ACCUMULATOR, 120-F-305, FRACTIONATOR OVERHEAD, LENGTH: 20 FT; DIAMETER: 4 FT A/N: 326121 † Permit to Construct Issued: 02/28/96	D1362				
COMPRESSOR, 120-GB-203A, H2 MAKE-UP/H2 PLANT FEED GAS, 4000-HP, 3 STAGES A/N: 326121 † Permit to Construct Issued: 02/28/96	D1437				
COMPRESSOR, 120-GB-203B, H2 MAKE-UP/H2 PLANT FEED GAS, 4000-HP, 3 STAGES A/N: 326121 † Permit to Construct Issued: 02/28/96	D1438				
KNOCK OUT POT, 120-F-255B, SERVING COMPRESSOR GB-203B, 3RD STAGE A/N: 326121 † Permit to Construct Issued: 02/28/96	D1442				

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
<b>System 1 : ALKYLATION UNIT 110</b>					S4.2, S4.4, S11.1, S13.6, S15.2, S15.3
COLUMN, DEISOBUTANIZER, D-351, HEIGHT: 197 FT; DIAMETER: 14 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D1659				
VESSEL, COALESCER, NET EFFLUENT, F-18, LENGTH: 22 FT; DIAMETER: 6 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D1660				D90.11
DRUM, CAUSTIC WASH, F-223, LENGTH: 14 FT 6 IN; DIAMETER: 8 FT 3 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D1661				
DRUM, ECONOMIZER, F-314, HEIGHT: 16 FT; DIAMETER: 6 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D1662				
DRUM, INTERNAL DEPROPANIZER FEED, F318, LENGTH: 20 FT; DIAMETER: 7 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D1663				
DRUM, CAUSTIC WASH, F-323, LENGTH: 22 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D1664				

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

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### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
VESSEL, COALESCER, F-324, LENGTH: 20 FT; DIAMETER: 3 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D1665				D90.11
DRUM, DEISOBUTANIZER REFLUX, F-351, LENGTH: 37 FT; DIAMETER: 13 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D1666				
COMPRESSOR, REFRIGERANT, GB-313, 2650 BHP, VENTED TO VAPOR RECOVERY SYSTEM, 15621 CU.FT./MIN A/N: 411097 Permit to Construct Issued: 10/11/03	D1667				E71.6, H23.3
CONDENSER, SHELL AND TUBE, REFRIGERANT, E-312A/B, VENTED TO VAPOR RECOVERY SYSTEM A/N: 411097 Permit to Construct Issued: 10/11/03	D1668				E71.6
CONDENSER, SHELL AND TUBE, DEISOBUTANIZER, E-351A/B/C/D, VENTED TO VAPOR RECOVERY SYSTEM A/N: 411097 Permit to Construct Issued: 10/11/03	D1669				E71.6
CONDENSER, SHELL AND TUBE, BUTANE, E-353, VENTED TO VAPOR RECOVERY SYSTEM A/N: 411097 Permit to Construct Issued: 10/11/03	D1670				E71.6

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
COLUMN, DE-ISO-BUTANIZER, D-1, IDLED, HEIGHT: 143 FT 6 IN; DIAMETER: 14 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D267				
COLUMN, DE-PROPANIZER, D-2, HEIGHT: 71 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D268				
COLUMN, DEBUTANIZER, D-3, HEIGHT: 71 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D269				
FRACTIONATOR, D-4, HEIGHT: 47 FT; DIAMETER: 6 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D270				
COLUMN, DEPENTANIZER, D-5, IDLED, HEIGHT: 47 FT; DIAMETER: 5 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D271				
VESSEL, CAUSTIC CONTACTOR, D-6, HEIGHT: 47 FT; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D272				

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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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
COLUMN, BUTENES EXTRACTOR, D-201, HEIGHT: 49 FT 2 IN; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D273				
COLUMN, OXIDIZER, D-203, HEIGHT: 32 FT 9 IN; DIAMETER: 3 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D274				
COLUMN, INTERNAL DEPROPANIZER, D-212, HEIGHT: 108 FT 4 IN; DIAMETER: 5 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D275				
VESSEL, CONTACTOR, ED-211A, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D276				
VESSEL, CONTACTOR, ED-211B, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D277				
VESSEL, CONTACTOR, ED-211C, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D278				

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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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### 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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
VESSEL, CONTACTOR, ED-211D, LENGTH: 35 FT 6 IN; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D279				
VESSEL, CONTACTOR, ED-211E, LENGTH: 45 FT 6 IN; DIAMETER: 7 FT 8 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D280				
VESSEL, CONTACTOR, ED-211F, LENGTH: 45 FT 6 IN; DIAMETER: 7 FT 8 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D281				
ACCUMULATOR, F1, DEISOBUTANIZER REFLUX, IDLED, LENGTH: 20 FT; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D282				
ACCUMULATOR, F2, EXTERNAL DEPROPANIZER REFLUX, LENGTH: 16 FT; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D283				
ACCUMULATOR, F3, DEBUTANIZER REFLUX, LENGTH: 20 FT; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D284				

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
ACCUMULATOR, F4, ALKYLATE FRACTIONATOR REFLUX, LENGTH: 16 FT; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D285				
ACCUMULATOR, F5, DEPENTANIZER REFLUX, IDLED, LENGTH: 16 FT; DIAMETER: 5 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D286				
TANK, SURGE, F-6, SPENT ACID, LENGTH: 66 FT; DIAMETER: 12 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D287				
TANK, WASH, B-B CAUSTIC, F-8, LENGTH: 19 FT; DIAMETER: 5 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D288				
TANK, WASH, F9, B-B WATER, LENGTH: 26 FT; DIAMETER: 5 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D289				
TANK, F10, MIXED C4 FEED, LENGTH: 66 FT; DIAMETER: 12 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D290				
TANK, SURGE, F-11, ISOBUTANE, LENGTH: 40 FT; DIAMETER: 12 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D291				

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
DRUM, BLOWDOWN, F-12, ACID, LENGTH: 15 FT; DIAMETER: 5 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D292				
TANK, WASH, F-15, ACID, LENGTH: 66 FT 6 IN; DIAMETER: 12 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D293				
TANK, WASH, F-16, CAUSTIC, LENGTH: 34 FT 2 IN; DIAMETER: 8 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D294				
TANK, WASH, F-17, ALKYL LINE WATER, LENGTH: 52 FT; DIAMETER: 12 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D295				
DRUM, BLOWDOWN, F-19, ACID, LENGTH: 45 FT 2 IN; DIAMETER: 10 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D296				
DRUM, BLOWDOWN, F-29, CAUSTIC, LENGTH: 24 FT; DIAMETER: 6 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D298				

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
SETTLING TANK, F-30, CAUSTIC, LENGTH: 9 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D299				
DRUM, HOLDING, BLOWDOWN, F-31, SPENT WATER BLOWDOWN, LENGTH: 25 FT 1 IN; DIAMETER: 6 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D300				
DRYER, F-32A, DIAMETER: 3 FT; LENGTH: 20 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D301				
DRYER, F-32B, DIAMETER: 3 FT; LENGTH: 20 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D302				
TANK, SURGE, F-101, BUTENE FEED, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D303				
TANK, SURGE, F-103A, BUTANE, LENGTH: 27 FT 8 IN; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D304				

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
TANK, SURGE, F-103B, BUTANE, LENGTH: 27 FT 8 IN; DIAMETER: 4 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D305				
TANK, WASH, F-200, BUTENE, LENGTH: 20 FT; DIAMETER: 6 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D306				
SETTLING TANK, F-201, BUTENE, LENGTH: 20 FT; DIAMETER: 5 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D307				
VESSEL, SEPARATOR, F-203, DISULFIDE, LENGTH: 26 FT; DIAMETER: 5 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D308	D329		<b>HAP: (10) [40CFR 63 Subpart CC, #1,5-25-2001]</b>	E57.2
POT, CATALYST ADDITION, F-204, LENGTH: 3 FT; DIAMETER: 2 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D309				
DRYER, F-211, CONTACTOR FEED A/N: 411097 Permit to Construct Issued: 10/11/03	D310				
SETTLING TANK, F-212A, ACID, LENGTH: 70 FT; DIAMETER: 15 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D311				

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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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
SETTLING TANK, F-212B, ACID, LENGTH: 70 FT; DIAMETER: 15 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D312				
SETTLING TANK, F-212C, ACID, LENGTH: 70 FT; DIAMETER: 15 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D313				
DRUM, SYSTEM TRAP AND SUCTION, F-213, LENGTH: 33 FT; DIAMETER: 13 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D314				
DRUM, FIRST STAGE ECONOMIZER, F-214, LENGTH: 13 FT 8 IN; DIAMETER: 5 FT 6 IN A/N: 411097 Permit to Construct Issued: 10/11/03	D315				
VESSEL, SECOND STAGE ECONOMIZER, F-215, LENGTH: 13 FT 8 IN; DIAMETER: 6 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D316				
POT, DRAIN, F-216, ACID, LENGTH: 2 FT; DIAMETER: 2 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D317				

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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 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
DRUM, FOURTH STAGE ECONOMIZER, F-217, LENGTH: 11 FT; DIAMETER: 6 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D318				
TANK, HOLDING, F-218, INTERNAL DEPROPANIZER FEED, LENGTH: 15 FT; DIAMETER: 7 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D319				
ACCUMULATOR, F-219, INTERNAL DEPROPANIZER REFLUX, LENGTH: 14 FT; DIAMETER: 5 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D320				
VESSEL, COALESCER, F-224, LENGTH: 20 FT; DIAMETER: 3 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D321				D90.11
TANK, WASH, F-220, PROPANE CAUSTIC, LENGTH: 24 FT; DIAMETER: 2 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D322				
TANK, WASH, CAUSTIC, UO20885, DEPROPANIZER FEED, IDLED, LENGTH: 15 FT; DIAMETER: 7 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D323				

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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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : ALKYLATION AND POLYMERIZATION</b>					P13.2
COMPRESSOR, GB-213, REFRIGERANT A/N: 411097 Permit to Construct Issued: 10/11/03	D324				
FILTER, F-4B, LENGTH: 10 FT; DIAMETER: 2 FT A/N: 411097 Permit to Construct Issued: 10/11/03	D325				
HEAT EXCHANGER, STEAM REBOILER, E-10, DEPENTANIZER, IDLED A/N: 411097 Permit to Construct Issued: 10/11/03	D1363				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 411097 Permit to Construct Issued: 10/11/03	D1589				
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
<b>System 1 : CONTACT SULFURIC ACID PRODUCTION PLANT UNIT 141</b>					S1.1, S15.14, S18.6
BOILER, WASTE HEAT, BIGELOW, 5B-101, UNFIRED A/N: 389085 Permit to Construct Issued: 01/31/02	D331				

- \* (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

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 : SULFURIC ACID PRODUCTION</b>					P13.2
REACTOR, COMBUSTION CHAMBER, B-104, HYDROGEN SULFIDE, PROCESS GAS, REFINERY/NATURAL GAS, SPENT ALKYLATION ACID, LIQUID SULFUR, ACID GAS, WITH TWO BURNERS ME-101 A & 101B, 36.8 MMBUT/HR EACH, LENGTH: 46 FT; DIAMETER: 17 FT 9 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D333	D814	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>H2SO4 MIST:</b> 0.3 LB(S) PER TON OF H2SO4 PRODUCED (5) [RULE 469,5-7-1976;RULE 469,2-13-1981]  <b>H2SO4 MIST:</b> 0.5 LB(S) PER TON OF H2SO4 PRODUCED (8) [40CFR 60 Subpart Cd,12-19-1995] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]  <b>PM:</b> (9) [RULE 404,2-7-1986]	D28.16, D323.4, D328.1
MIST ELIMINATOR, RESEARCH COTTRELL, 5D-101, 34 KVA, LENGTH: 15 FT; DIAMETER: 13 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D334				
ABSORBER, H2SO4 CONTACTOR, MONSANTO, 5D-102, ACID, HEIGHT: 29 FT 4 IN; DIAMETER: 11 FT 8 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D335				
DRYER, D-145, ACID, HEIGHT: 27 FT; DIAMETER: 15 FT 4 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D336				

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
COLUMN, STRIPPER, 5D-104, HEIGHT: 22 FT; DIAMETER: 5 FT 6 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D337				
VESSEL, CONVERTER, D-105, HEIGHT: 34 FT; DIAMETER: 17 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D338	C353			H116.1
TOWER, HUMIDIFIER, 5D-106, HEIGHT: 23 FT 6 IN; DIAMETER: 9 FT 6 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D339				
COLUMN, EFFLUENT STRIPPER, 5D-107, HEIGHT: 12 FT; DIAMETER: 2 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D340				
MIST ELIMINATOR, BRINK, 5D-109 A/N: 389085 Permit to Construct Issued: 01/31/02	C341				
TANK, HOLDING, F-202, ABSORBING ACID, HEIGHT: 7 FT; DIAMETER: 17 FT 6 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D342				
TANK, 5F-102, ACID, HEIGHT: 7 FT; DIAMETER: 17 FT 6 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D343	C341			

- \* (1) 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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
TANK, 5F-103, WEAK ACID, HEIGHT: 7 FT; DIAMETER: 5 FT 6 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D1523	C341			
TANK, 5F-104, WEAK ACID, HEIGHT: 6 FT; DIAMETER: 8 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D344	C341			
ACCUMULATOR, F-119, EFFLUENT STRIPPER OVERHEAD, HEIGHT: 5 FT; DIAMETER: 4 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D348				
POT, F-145, EMERGENCY SEAL, WIDTH: 2 FT 10 IN; HEIGHT: 4 FT 3 IN; LENGTH: 5 FT 4 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D349				
MIST ELIMINATOR, EDUCATOR, 20 GPM, HEIGHT: 5 FT; DIAMETER: 4 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D350				
INJECTOR, COMBUSTION CHAMBER, ME-105A, SULFUR A/N: 389085 Permit to Construct Issued: 01/31/02	D1402		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	NOX: 0.333 LBS/TON PRODUCED (1); SOX: 2.76 LBS/TON PRODUCED (1)	
INJECTOR, COMBUSTION CHAMBER, ME-105B, SULFUR A/N: 389085 Permit to Construct Issued: 01/31/02	D1403		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	NOX: 0.333 LBS/TON PRODUCED (1); SOX: 2.76 LBS/TON PRODUCED (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
INJECTOR, COMBUSTION CHAMBER, ME-105A, SULFUR A/N: 389085 Permit to Construct Issued: 01/31/02	D1404				
INJECTOR, COMBUSTION CHAMBER, ME-105B, SULFUR A/N: 389085 Permit to Construct Issued: 01/31/02	D1405				
INJECTOR, COMBUSTION CHAMBER, ME-104A, SPENT ACID (ALKYLATION ACID) A/N: 389085 Permit to Construct Issued: 01/31/02	D1406				
INJECTOR, COMBUSTION CHAMBER, ME-104B, SPENT ACID (ALKYLATION ACID) A/N: 389085 Permit to Construct Issued: 01/31/02	D1407				
INJECTOR, COMBUSTION CHAMBER, ME-106A, WEAK ACID A/N: 389085 Permit to Construct Issued: 01/31/02	D1408				
INJECTOR, COMBUSTION CHAMBER, ME-106B, WEAK ACID A/N: 389085 Permit to Construct Issued: 01/31/02	D1409				

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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 : SULFURIC ACID PRODUCTION</b>					P13.2
PIT, 5F-313, SULFUR, 100 LONG TON CAPACITY, COVERED, WIDTH: 17 FT 4 IN; DEPTH: 7 FT; LENGTH: 22 FT 8 IN A/N: 389085 Permit to Construct Issued: 01/31/02	D1525			SOX: 500 PPMV (5) [RULE 407,4-2-1982]	E336.1
SCRUBBER, 40-F-140, PRIMARY RESERVE JET, HEIGHT: 18 FT 4 IN; DIAMETER: 9 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D1547				
SCRUBBER, 40-F-142, FINAL RESERVE JET, HEIGHT: 12 FT 10 IN; DIAMETER: 7 FT A/N: 389085 Permit to Construct Issued: 01/31/02	D1548				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 389085 Permit to Construct Issued: 01/31/02	D1591				H23.2
<b>System 3 : CANSOLV SOx Scrubbing (W/AMMSOX as Backup System) for H2SO4 Plant</b>					S18.7
SCRUBBER, CHEMICAL, SO2, D-120, WITH MIST ELIMINATOR, HEIGHT: 33 FT 9 IN; DIAMETER: 10 FT A/N: 389083 Permit to Construct Issued: 01/31/02	D352				

- \* (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
MIST ELIMINATOR, F-115, WIDTH: 7 FT 8 IN; HEIGHT: 15 FT; LENGTH: 24 FT 2 IN A/N: 389083 Permit to Construct Issued: 01/31/02	C353	D338			
COLUMN, SO2 STRIPPING, D-121, BACKUP AMMSOX SYSTEM, HEIGHT: 30 FT 6 IN; DIAMETER: 2 FT A/N: 389083 Permit to Construct Issued: 01/31/02	D354				
<b>System 4 : VAPOR RECOVERY SYSTEM (BLOWERS &amp; SCRUBBER)</b>					S13.11
BLOWER, GB-404 & GB-404S (SPARE), SULFUR VAPOR/H2S/AIR MIXTURE, CENTRIFUGAL, 550 CFM, 7.5 HP EACH;SERVING SULFUR PIT AND SULFUR LOADING RACK A/N: 425342 Permit to Construct Issued: 12/22/04	D1546				E225.1
BLOWER, GB-105 & GB-106 (SPARE),VOC/SO2, 221 SCFM, SERVING SPENT ACID STORAGE TANK, NEUTRALIZATION UNIT AND ACID LOADING RACK A/N: 425342 Permit to Construct Issued: 12/22/04	D1675				E225.1
KNOCK OUT POT, F-340, VAPOR RECOVERY BLOWER SUCTION, HEIGHT: 4 FT; DIAMETER: 1 FT 4 IN A/N: 425342 Permit to Construct Issued: 12/22/04	D1676				

- \* (1) Denotes RECLAIM emission factor
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
KNOCK OUT POT, F-341, VAPOR RECOVERY BLOWER DISCHARGE, HEIGHT: 4 FT; DIAMETER: 1 FT 4 IN A/N: 425342 Permit to Construct Issued: 12/22/04	D1677				
SCRUBBER, PACKED BED, F-404, BACKUP CAUSTIC, WITH TWO CAUSTIC CIRCULATION PUMPS, G-405 & G- 405S (SPARE), 30 GPM., HEIGHT: 25 FT 6 IN; DIAMETER: 2 FT A/N: 425342 Permit to Construct Issued: 12/22/04	C1545	C1678 D1713 D1714			C8.4, D90.5, E71.20
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 425342 Permit to Construct Issued: 12/22/04	D1594				H23.2
<b>System 5 : SPENT SULFURIC ACID STORAGE</b>					
STORAGE TANK, FIXED ROOF, F-301, SPENT SULFURIC ACID, 4030 BBL; DIAMETER: 30 FT; HEIGHT: 32 FT A/N: 378287 Permit to Construct Issued: 01/31/02	D1386			SO <sub>2</sub> : 500 PPMV (5) [RULE 407,4-2-1982] ; VOC: 500 PPMV (5) [RULE 1303(a)(1)-BACT,5-10-1996]	C1.64, E336.1, H23.13
<b>System 7 : AIR POLLUTION CONTROL SYSTEM (CARBON ADSORBERS)</b>					
CARBON ADSORBER, ME-5, 12 TOTAL, 3 IN EACH SERIES, 4 SERIES IN PARALLEL, 1,800 LBS ACTIVATED CARBON EACH, BACKUP FOR D333, HEIGHT: 4 FT; DIAMETER: 5 FT A/N: 391944 Permit to Construct Issued: 01/31/02	C1678	C1545			D90.6, E153.2

- \* (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate  
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 (5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit  
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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
<b>System 8 : CANSOLV (AMINE) REGENERATION</b>					S13.11
REGENERATOR, SOLVENT, D-600, HEIGHT: 43 FT 1 IN; DIAMETER: 3 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1679				
ACCUMULATOR, REFLUX, F-602, HEIGHT: 9 FT; DIAMETER: 1 FT 10 IN A/N: 424946 Permit to Construct Issued: 12/22/04	D1680				
KNOCK OUT POT, AMINE, F-603, HEIGHT: 9 FT; DIAMETER: 1 FT 10 IN A/N: 424946 Permit to Construct Issued: 12/22/04	D1681				
TANK, LEAN AMINE, F-604, VENTED TO ATMOSPHERE, HEIGHT: 15 FT 1 IN; DIAMETER: 7 FT 6 IN A/N: 424946 Permit to Construct Issued: 12/22/04	D1682			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	D90.7, H116.2
CONDENSER, SOLVENT STRIPPER, E-601, SHELL AND TUBE TYPE, 6.71 MMBTU/HR A/N: 424946 Permit to Construct Issued: 12/22/04	D1688				
COLUMN, ION EXCHANGE BED, D- 100A, HEIGHT: 6 FT; DIAMETER: 4 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1707				

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<b>Process 7 : SULFURIC ACID PRODUCTION</b>					P13.2
COLUMN, ION EXCHANGE BED, D-100B, HEIGHT: 6 FT; DIAMETER: 4 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1708				
TANK, SPENT CAUSTIC, F-327, WITH A ROOF MOUNT MIXER, VENTED TO ATMOSPHERE, 16700 GALS; DIAMETER: 14 FT; HEIGHT: 20 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1709			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	D90.7, H116.2, H116.3
TANK, DILUTE AMINE PURGE, F-613, VENTED TO ATMOSPHERE, 9000 GALS; DIAMETER: 12 FT; HEIGHT: 12 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1711			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	D90.7, H116.2, H116.3
TANK, AMINE RECYCLE, F-614, VENTED TO ATMOSPHERE, 9000 GALS; DIAMETER: 12 FT; HEIGHT: 12 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1712			<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	D90.7, H116.2, H116.3
TANK, NEUTRALIZATION PRIMARY TREATMENT, F-401, WITH MIXER, HEIGHT: 6 FT 6 IN; DIAMETER: 9 FT 6 IN A/N: 424946 Permit to Construct Issued: 12/22/04	D1713	C1545		<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	E336.1

- \* (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 7 : SULFURIC ACID PRODUCTION</b>					P13.2
TANK, NEUTRALIZATION SECONDARY TREATMENT, F-402, WITH MIXER, HEIGHT: 11 FT 4 IN; DIAMETER: 8 FT A/N: 424946 Permit to Construct Issued: 12/22/04	D1714	C1545		<b>SOX: 500 PPMV (5) [RULE 407,4-2-1982]</b>	E336.1
<b>Process 8 : BLENDING</b>					P13.2
<b>System 1 : GASOLINE BLENDING</b>					S13.6, S15.2, S15.3
DRUM, F-1, SAMPLE RECOVERY, HEIGHT: 6 FT; DIAMETER: 3 FT A/N: 326126 † Permit to Construct Issued: 01/10/96	D1342	C1343		<b>BENZENE: 5 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]</b>	
<b>System 2 : MID-BARREL BLENDING</b>					S15.2, S15.3
PUMP, CENTRIFUGAL, P-1901, MID BARREL SHIPPING, TANDEM SEAL, 1,000-HP A/N: 326128 † Permit to Construct Issued: 01/09/97	D1473				
<b>System 3 : VAPOR CONTROL SYSTEM</b>					S11.1
CARBON ADSORBER, ME-2A, 2 TOTAL IN PARALLEL, 200 LBS A/N: 326130 † Permit to Construct Issued: 07/22/94	C1343	D1342			D90.3, E128.1, E153.3

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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> |
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### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9 : TREATING/STRIPPING</b>					P13.2
<b>System 4 : AMINE STRIPPING UNIT 138</b>					S13.6, S15.11, S15.16
REACTOR, REACTIVATOR (STRIPPER/REGENERATOR), NO. 1, D-1, HEIGHT: 50 FT; DIAMETER: 7 FT A/N: 351957 Permit to Construct Issued: 05/21/99	D398				
REACTOR, REACTIVATOR (STRIPPER/REGENERATOR), NO. 2, D-301, HEIGHT: 52 FT; DIAMETER: 8 FT 6 IN A/N: 351957 Permit to Construct Issued: 05/21/99	D399				
ACCUMULATOR, NO. 1, F-1, REGENERATOR REFLUX, HEIGHT: 10 FT; DIAMETER: 3 FT A/N: 351957 Permit to Construct Issued: 05/21/99	D400				
TANK, SURGE, F-4, LEAN MEA, 2175 BBL; DIAMETER: 30 FT; HEIGHT: 18 FT A/N: 351957 Permit to Construct Issued: 05/21/99	D401				
FILTER, CARTRIDGE, F-304, LEAN MEA A/N: 351957 Permit to Construct Issued: 05/21/99	D402				

- \* (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 9 : TREATING/STRIPPING</b>					P13.2
TANK, DRAIN, F-305, ORGANIC LIQUID, HEIGHT: 6 FT 10 IN; DIAMETER: 11 IN A/N: 351957 Permit to Construct Issued: 05/21/99	D404				
TANK, SURGE, F-300, RICH MEA, LENGTH: 28 FT; DIAMETER: 7 FT 6 IN A/N: 351957 Permit to Construct Issued: 05/21/99	D405				
ACCUMULATOR, NO. 2, F-301, REGENERATOR REFLUX, LENGTH: 15 FT; DIAMETER: 5 FT A/N: 351957 Permit to Construct Issued: 05/21/99	D406				
TANK, SURGE, F-300B, RICH MEA, LENGTH: 32 FT; DIAMETER: 13 FT A/N: 351957 Permit to Construct Issued: 05/21/99	D1552				
<b>System 7 : GROUNDWATER TREATMENT SYSTEM, SITE 1</b>					
KNOCK OUT POT, SITE 1, GROUNDWATER A/N: 326140 † Permit to Construct Issued: 03/29/96	D813				

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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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9 : TREATING/STRIPPING</b>					P13.2
REACTOR, SITE ONE, GROUNDWATER TREATMENT, UVB WELL, WITH IN-SITU VAPOR STRIPPER & A 5-HP VACUUM BLOWER A/N: 326140 † Permit to Construct Issued: 03/29/96	D814	D333		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996]	C6.3, D90.1
<b>System 9 : CLAY TREATING (JET A FILTRATION LOOP)</b>					
FILTER, CLAY PREFILTER, F20919, DIA.: 4 FT 6 IN, HT.: 7 FT 11 IN A/N: 326143 † Permit to Construct Issued: 03/13/96	D1447				
FILTER, CLAY TREATING, V2714, JET A, DIA.: 3 FT 6 IN, HT.: 5 FT A/N: 326143 † Permit to Construct Issued: 03/13/96	D1449				
FILTER, CLAY TREATING, V2413, DIA.: 3 FT 6 IN, HT.: 5 FT A/N: 326143 † Permit to Construct Issued: 03/13/96	D1450				
FILTER, FILTER/SEPARATOR, V2713, DIA.: 3 FT 6 IN, HT.: 5 FT A/N: 326143 † Permit to Construct Issued: 03/13/96	D1451				

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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 11 : LOADING/UNLOADING</b>					P13.2
<b>System 1 : BUTANE</b>					S15.6
LOADING AND UNLOADING ARM, TANK CAR, C4 AND C5, VENTED TO REFINERY VAPOR RECOVERY UNIT, 8 TOTAL; DIAMETER: 4 IN A/N: 387300 Permit to Construct Issued: 01/31/02	D458	D1673		VOC: 0.08 LBS/1000 GAL BUTANE (5) [RULE 462,5-14-1999]	C1.52, C1.55
LOADING AND UNLOADING ARM, TANK TRUCK, BUTANE/BUTENE, VENTED TO NORTH VAPOR RECOVERY UNIT, 2 TOTAL; DIAMETER: 4 IN A/N: 387300 Permit to Construct Issued: 01/31/02	D459	D1673		VOC: 0.08 LBS/1000 GAL BUTANE (5) [RULE 462,5-14-1999]	C1.53, C1.56
VESSEL, DEPRESSURING, F-114, VENTED TO NORTH VAPOR RECOVERY UNIT, HEIGHT: 6 FT; DIAMETER: 2 FT A/N: 387300 Permit to Construct Issued: 01/31/02	D1673	D458 D459 D709			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387300 Permit to Construct Issued: 01/31/02	D1605				H23.2
<b>System 7 : SPENT SULFURIC ACID LOADING/UNLOADING</b>					S1.2
LOADING AND UNLOADING ARM, TANK TRUCK, SPENT SULFURIC ACID, DIAMETER: 4 IN A/N: 378283 Permit to Construct Issued: 01/31/02	D1380			SO2: 500 PPMV (5) [RULE 407,4-2-1982]	D28.15, E71.18, E336.1

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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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### 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 : LOADING/UNLOADING</b>					P13.2
<b>System 8 : SULFUR LOADING</b>					
LOADING ARM, TANK TRUCK, TOP, SULFUR, DIAMETER: 2 IN A/N: 336592 Permit to Construct Issued: 06/04/98	D1385			SOX: 500 PPMV (5) [RULE 407,4-2-1982]	E336.1
<b>Process 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
<b>System 1 : WASTEWATER TREATMENT</b>					S13.1
TANK, F-2A (EAST), FLOCCULATOR, COVERED, WITH A MIXER, WIDTH: 16 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D499				
TANK, F-2B ( CENTER), FLOCCULATOR, COVERED, WITH A MIXER, WIDTH: 16 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D500				
TANK, F-2C ( WEST), FLOCCULATOR, COVERED, WITH A MIXER, WIDTH: 16 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D501				

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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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
FLOATATION UNIT, FIXED ROOF, F-3A (EAST), DISSOLVED AIR FLOTATION UNIT, WITH FROTH AND SLUDGE FLIGHT SCRAPER, WIDTH: 16 FT; DEPTH: 12 FT; LENGTH: 81 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D502	C524		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	D182.2
FLOATATION UNIT, FIXED ROOF, F-3B (CENTER), DISSOLVED AIR FLOTATION UNIT, WITH FROTH AND SLUDGE FLIGHT SCRAPER, WIDTH: 16 FT; DEPTH: 12 FT; LENGTH: 81 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D503	C524		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	D182.2
FLOATATION UNIT, FIXED ROOF, F-3C (WEST), DISSOLVED AIR FLOTATION UNIT, WITH FROTH AND SLUDGE FLIGHT SCRAPER, WIDTH: 16 FT; DEPTH: 12 FT; LENGTH: 81 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D504	C524		VOC: 500 PPMV (5) [RULE 1176,9-13-1996]	D182.2
TANK, FIXED ROOF, RECYCLE SATURATION, F-4A, WASTE WATER, HEIGHT: 7 FT; DIAMETER: 5 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D505				
TANK, FIXED ROOF, RECYCLE SATURATION, F-4B, WASTE WATER, HEIGHT: 7 FT; DIAMETER: 5 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D506				

- \* (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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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 : WASTEWATER TREATMENT PLANTS</b>					P13.2
TANK, FIXED ROOF, RECYCLE SATURATION, F-4C, WASTE WATER, HEIGHT: 7 FT; DIAMETER: 5 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D507				
SUMP, PRIMARY OIL SKIMMING, WIDTH: 11 FT; DEPTH: 15 FT; LENGTH: 16 FT WITH A/N: 366270 Permit to Construct Issued: 08/18/00  FLOATING ROOF  PRIMARY SEAL	D508				
SUMP, SECONDARY OIL SKIMMING, WIDTH: 11 FT; DEPTH: 9 FT; LENGTH: 11 FT WITH A/N: 366270 Permit to Construct Issued: 08/18/00  FLOATING ROOF  PRIMARY SEAL	D509				
TANK, HOLDING, FIXED ROOF, TK-436, POLYMER FEED, 145 BBL; DIAMETER: 14 FT; HEIGHT: 16 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D512				

- \* (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
TANK, HOLDING, FIXED ROOF, TK-437, IRON SULFATE FEED, 250 BBL; DIAMETER: 10 FT; HEIGHT: 15 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D513				
TANK, HOLDING, FIXED ROOF, TK-438, SLUDGE, 1500 BBL; DIAMETER: 22 FT; HEIGHT: 25 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D514			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, HOLDING, FIXED ROOF, TK-439, SLUDGE, 1500 BBL; DIAMETER: 22 FT; HEIGHT: 25 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D515			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
TANK, SURGE, TK-461, STORMWATER AND WASTEWATER, WITH OIL SKIMMER, 1.3E+07 GALS; DIAMETER: 185 FT; HEIGHT: 79 FT 7 IN WITH A/N: 366270 Permit to Construct Issued: 08/18/00  FLOATING ROOF, PAN  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D516			<b>HAP: (10) [40CFR 63 Subpart CC, #4,5-25-2001]</b>	H23.15

- \* (1) Denotes RECLAIM emission factor
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- (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
TANK, SURGE, TK-462, STORMWATER AND WASTEWATER, WITH OIL SKIMMER, 1.3E+07 GALS; DIAMETER: 185 FT; HEIGHT: 79 FT 7 IN WITH A/N: 366270 Permit to Construct Issued: 08/18/00  FLOATING ROOF, PAN  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE	D517			<b>HAP:</b> (10) [40CFR 63 Subpart CC, #4,5-25-2001]	H23.15
TANK, SURGE, F-8, (CONTAINMENT STRUCTURE), FIXED COVER, WITH AN INTERNAL WEIR AND WATER SEAL, WIDTH: 19 FT; HEIGHT: 11 FT 5 IN; LENGTH: 150 FT WITH A/N: 366270 Permit to Construct Issued: 08/18/00  FLOATING ROOF, PAN, LIQUID MOUNTED  FLOW CHAMBER, FIXED COVER, WIDTH: 7 FT; DEPTH: 10 FT; LENGTH: 175 FT	D518	C526		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #4,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	C6.2, D182.2, E193.3

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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 : WASTEWATER TREATMENT PLANTS</b>					P13.2
OIL WATER SEPARATOR, F-1A (EAST), API, CAPACITY 305,000 GALLONS, WITH A PRV SET AT 4.5 INCHES OF WATER RELIEF PRESSURE, 360000 GALS/HR; WIDTH: 40 FT; DEPTH: 7 FT 8 IN; LENGTH: 138 FT WITH A/N: 366270 Permit to Construct Issued: 08/18/00  OIL WATER SEPARATOR, F-1A(EAST) API FOREBAY, WITH FIXED COVER  OIL WATER SEPARATOR, F-1A(EAST) API AFTERBAY, WITH FIXED COVER	D1543	C522		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #4,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	C6.2, D182.2
OIL WATER SEPARATOR, F-1B (WEST), API, CAPACITY 305,000 GALLONS, WITH A PRV SET AT 4.5 INCHES OF WATER RELIEF PRESSURE, 360000 GALS/HR; WIDTH: 40 FT; DEPTH: 7 FT 8 IN; LENGTH: 138 FT WITH A/N: 366270 Permit to Construct Issued: 08/18/00  OIL WATER SEPARATOR, F-1B(WEST) API FOREBAY, WITH FIXED COVER	D1544	C522		<b>HAP:</b> (10) [40CFR 63 Subpart CC, #4,5-25-2001] ; <b>VOC:</b> 500 PPMV (5) [RULE 1176,9-13-1996]	C6.2, D182.2

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|--|---|
| * (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 | (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 |
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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 12 : WASTEWATER TREATMENT PLANTS</b>					P13.2
OIL WATER SEPARATOR, F-1B(WEST) API AFTERBAY, WITH FIXED COVER					
SUMP, SLUDGE FROTH, 3,400 GALS, FIXED COVER, WIDTH: 7 FT 9 IN; DEPTH: 7 FT; LENGTH: 8 FT 6 IN A/N: 366270 Permit to Construct Issued: 08/18/00	D1550	C524		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	
SUMP, SLUDGE DEWATERING, 25,000 GALS, FIXED COVER WITH A PRV SET AT 1.1 PSIG RELIEF PRESSURE, WIDTH: 11 FT; DEPTH: 7 FT; LENGTH: 20 FT A/N: 366270 Permit to Construct Issued: 08/18/00	D1551	C522		<b>VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	C6.2, D182.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 366270 Permit to Construct Issued: 08/18/00	D1608				H23.2
TANK, OB DIVERSION BOX, FIXED COVER, WIDTH: 5 FT; HEIGHT: 7 FT; LENGTH: 10 FT 3 IN A/N: 366270 Permit to Construct Issued: 08/18/00	D1624	C522		<b>HAP: (10) [40CFR 63 Subpart CC, #4,5-25-2001] ; VOC: 500 PPMV (5) [RULE 1176,9-13-1996]</b>	C6.2, D182.2
DRAIN SYSTEM COMPONENT A/N: 366270 Permit to Construct Issued: 08/18/00	D1647			<b>HAP: (10) [40CFR 63 Subpart CC, #4,5-25-2001]</b>	H23.10

- \* (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

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 : WASTEWATER TREATMENT PLANTS</b>					P13.2
<b>System 3 : CARBON ADSORBERS</b>					S13.1
CARBON ADSORBER, UNIT NO. 2 (TWO IN PARALLEL), US FILTER/WESTATES, MODEL VSC- 8000, EACH, 8000 LBS A/N: 369288 Permit to Construct Issued: 08/18/00	C522	D1543 D1544 D1551 D1624			D90.3, E153.1
CARBON ADSORBER, UNIT NO. 1 (TWO IN PARALLEL), 2000 LBS A/N: 327239 Permit to Construct Issued: 06/04/98	C524	D502 D503 D504			D90.3, E153.1
CARBON ADSORBER, UNIT NO. 3, US FILTER/WESTATES, MODEL VSC- 8000, (TWO IN PARALLEL) EACH, 8000 LBS A/N: 369289 Permit to Construct Issued: 08/18/00	C526	D518			D90.3, E153.1
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
<b>System 4 : PRESSURIZED TANKS</b>					S13.2, S15.2, S15.6
STORAGE TANK, PRESSURIZED, 465, C4 AND C5, VENTED TO REFINERY FLARE VAPOR RECOVERY SYSTEM, 27000 BBL; DIAMETER: 66 FT A/N: 387299 Permit to Construct Issued: 01/31/02	D1367				C1.54, E57.3, E71.19, E71.21, E71.22

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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> |
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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 13 : STORAGE TANKS</b>					P13.1, P13.2
STORAGE TANK, PRESSURIZED, F-136, PERCHLORETHYLENE, WITH A VAPOR BALANCE SYSTEM, 6250 GALS; DIAMETER: 8 FT; HEIGHT: 16 FT A/N: 334037 Permit to Construct Issued: 01/27/98	D825				C1.15, E144.1
<b>System 6 : BUTANE TANKS (VENTING TO VRS)</b>					S13.2, S15.2, S15.6
STORAGE TANK, PRESSURIZED, TK-300, SPHERICAL, C3,C4, AND C5, VENTED TO VAPOR RECOVERY SYSTEM, 4600 BBL; DIAMETER: 38 FT A/N: 378404 Permit to Construct Issued: 04/16/01	D644				C1.54, E71.7, E71.8, E71.15
STORAGE TANK, PRESSURIZED, TK-301, SPHERICAL, C3,C4 AND C5, VENTED TO VAPOR RECOVERY SYSTEM, 9200 BBL; DIAMETER: 48 FT A/N: 378405 Permit to Construct Issued: 04/16/01	D645				C1.54, E71.8, E71.9, E71.15
STORAGE TANK, PRESSURIZED, TK-302, SPHERICAL, C3,C4, AND C5, VENTED TO VAPOR RECOVERY SYSTEM, 9200 BBL; DIAMETER: 48 FT A/N: 378406 Permit to Construct Issued: 04/16/01	D646				C1.54, E71.8, E71.10, E71.15
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 378406 Permit to Construct Issued: 04/16/01	D1801				H23.2

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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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13 : STORAGE TANKS</b>					P13.1, P13.2
<b>System 7 : BUTANE TANKS (VENTING TO LPG FLARE)</b>					S13.2, S15.7
STORAGE TANK, PRESSURIZED, TK-442, SPHERICAL, C3, C4, AND C5, VENTED TO LPG FLARE, 840000 GALS; DIAMETER: 62 FT A/N: 378414 Permit to Construct Issued: 04/16/01	D661				C1.51, E71.11, E71.13, E71.16
STORAGE TANK, PRESSURIZED, TK-443, SPHERICAL, C3, C4, AND C5, VENTED TO LPG FLARE, 840000 GALS; DIAMETER: 62 FT A/N: 378419 Permit to Construct Issued: 04/16/01	D662				C1.51, E71.12, E71.13, E71.16
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 378419 Permit to Construct Issued: 04/16/01	D1802				H23.2
<b>System 8 : DOME COVERED EXTERNAL FLOATING ROOF TANKS</b>					S13.8
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 168, 158000 BBL; DIAMETER: 150 FT; HEIGHT: 51 FT WITH A/N: 467210 Permit to Construct Issued: 06/27/07  DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK, WELDED SHELL	D570			<b>HAP: (10) [40CFR 63 Subpart CC, #3A,5-25-2001]</b>	C1.82, C1.83, K67.7, K67.11, K171.2

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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 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 13 : STORAGE TANKS</b>					P13.1, P13.2
PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), WIPER TYPE  GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1803				H23.2
<b>System 9 : LOW PRESSURIZED TANKS</b>					
STORAGE TANK, FIXED ROOF, LOW PRESSURE, NO. 466, MIXED PENTANES, WITH TWO PRESSURE RELIEF VALVES SET AT 14.9 PSIG, 40000 BBL; DIAMETER: 80 FT; HEIGHT: 48 FT A/N: 337587 Permit to Construct Issued: 10/06/98	D1378	D719			C1.5, C1.17, E71.4, E336.3

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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 15 : STEAM GENERATION</b>					
<b>System 1 : BOILERS</b>					
BOILER, NO. 7, REFINERY/NATURAL GAS, WITH OPTIONAL FLUE GAS RECIRCULATION, WITH LOW NOX BURNER, 304 MMBTU/HR WITH A/N: 460501 Permit to Construct Issued: 08/02/07  BURNER, REFINERY/NATURAL GAS, COEN, MODEL TANGENTIAL FIRED CORNER BURNER, 25.3 MMBTU/HR EACH, WITH LOW NOX BURNER, 12 TOTAL; 304 MMBTU/HR	D686		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 19.2 LBS/HR REFINERY/NATURAL GAS (7) [RULE 1303(b)(2)-Offset,5-10-1996] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; ROG: 1.6 LBS/HR REFINERY/NATURAL GAS (7) [RULE 1303(b)(2)-Offset,5-10-1996]	A26.4, A305.2, A305.3, B61.4, C1.62, D12.15, D29.2, D232.1, D328.1, D425.1, H23.1
SELECTIVE CATALYTIC REDUCTION, VANADIUM PENTOXIDE AND TUNGSTEN TRIOXIDE, HONEYCOMB TYPE, HALDOR TOPSOE, 560 CU.FT.; WIDTH: 10 FT 10 IN; HEIGHT: 5 FT; LENGTH: 11 FT 2 IN WITH A/N: 460547 Permit to Construct Issued: 08/02/07 AMMONIA INJECTION, AQUEOUS AMMONIA	C1773			NH3: 5 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	A1.2, B61.8, D12.5, D12.16, D12.17, D29.6, D29.7, E448.3

- \* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 15 : STEAM GENERATION</b>					
METERING SKID, DILUTION AIR BLOWER					
DRUM, AMMONIA VAPORIZER, F-715					
FILTER, AQUEOUS AMMONIA, F-713/714, 2 TOTAL					
<b>Process 16 : PETROLEUM, MISCELLANEOUS</b>					
<b>System 5 : FUEL STORAGE AND DISPENSING</b>					S13.4
STORAGE TANK, UNDERGROUND, METHANOL COMPATIBLE, STORAGE AND DISPENSING, GASOLINE, WITH PHASE I ENHANCED VAPOR RECOVERY SYSTEM PER CARB EXECUTIVE ORDER VR-102-A, 10000 GALS A/N: 414040 Permit to Construct Issued: 05/22/03	D697			VOC: 0.15 LBS/1000 GAL GASOLINE (5) [RULE 461,3-7-2008]	D182.3, D330.1, J109.1, J119.1, J373.1, K171.1
FUEL DISPENSING NOZZLE, BALANCE SYSTEM PER CARB EXECUTIVE ORDER G-70-199-AH WITH ONE HIGH HOSE DISPENSER, AND PHASE II VAPOR RECOVERY SYSTEM PER CARB EXECUTIVE ORDER G-70-52-AM A/N: 414040 Permit to Construct Issued: 05/22/03	D698			VOC: 0.38 LBS/1000 GAL GASOLINE (5) [RULE 461,3-7-2008]	D182.3, D330.1, J110.1, J373.2

- \* (1) Denotes RECLAIM emission factor
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- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) 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 16 : PETROLEUM, MISCELLANEOUS</b>					
<b>System 7 : SOIL VAPOR EXTRACTION AND CONTROL SYSTEM</b>					
OXIDIZER, THERMAL, SOIL-THERM, MODEL 2002 COMPACT-THERM, SERIAL NO. 05-9165, NATURAL GAS, FOR NON-HALOGENATED HC IN-SITU SOIL REMEDIATION ONLY, W/ FULLY MODUL. TEMP CNTL, 1.2 MMBTU/HR WITH A/N: 457545 Permit to Construct Issued: 06/13/07  VAPOR EXTRACTION WELL  KNOCKOUT BOX, FOR VAPOR EXTRACTION WELLS AND DUCTS  BLOWER, DRESSER ROOTS, MODEL 59, EXTRACTION, 500 CU.FT./MIN; 20 HP	C1735			<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>CO:</b> 200 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]  <b>NOX:</b> 32 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	A63.5, A195.14, A195.15, B163.1, C1.81, C8.5, C8.6, D29.5, D90.12, D328.1, E71.28, E190.1, E202.4, E223.1, H23.26

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|---|---|
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16 : PETROLEUM, MISCELLANEOUS</b>					
COMPARTMENT, FOR PLATINUM METAL CATALYST ON SS, 0.4 CUBIC FEET OF ACTIVE VOLUME UPTO 300 SCFM, OR 0.7 CUBIC FT OF ACTIVE VOL AT 300 TO 500 SCFM, TO CONVERT TO CATALYTIC MODE					
<b>System 9 : AMMONIA (Aqueous) TRANSFER &amp; STORAGE SYSTEM</b>					
STORAGE TANK, PRESSURIZED (35 PSIG), 80-F-218, SERVING SCR OF H2 PLANT U118 & SCR OF U90, AQUEOUS AMMONIA, , WITH TRUCK UNLOADING STATION, VAPOR RETURN SYSTEM & TRANSFER PUMPS, 16240 GALS; DIAMETER: 10 FT 6 IN; LENGTH: 25 FT A/N: 468688 Permit to Construct Issued: 06/12/07	D701				E71.26, E144.1, K67.6
TANK, PRESSURIZED (175 PSIG), F-716, SERVING SCR OF BOILER 7, AQUEOUS AMMONIA, WITH TRUCK UNLOADING STATION, VAPOR RETURN SYSTEM & TRANSFER PUMPS, 11400 GALS; DIAMETER: 9 FT; LENGTH: 21 FT A/N: 460548 Permit to Construct Issued: 08/02/07	D1778				K67.6

- \* (1) Denotes RECLAIM emission factor
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- (4) Denotes BACT emission limit
- (5)(5A)(5B)Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
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<b>Process 17 : AIR POLLUTION CONTROL (FLARES)</b>					
<b>System 1 : NORTH FLARE</b>					S18.2, S18.8
FLARE, ELEVATED WITH STEAM INJECTION, NORTH, WITH MOLECULAR GAS SEAL AND NATURAL GAS PILOT BURNER, HEIGHT: 200 FT; DIAMETER: 3 FT A/N: 406317 Permit to Construct Issued: 10/11/03	C706				D12.10, D323.2, E193.4, H23.28, H23.32, I1.2
DRUM, NORTH BLOWDOWN, F-7, WITH INTERNAL STEAM COIL, LENGTH: 60 FT; DIAMETER: 10 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D709	D1673			E71.14
DRUM, SEAL, F-702, HEIGHT: 15 FT; DIAMETER: 10 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D1692				
<b>System 2 : SOUTH FLARE</b>					S18.2, S18.8
FLARE, ELEVATED WITH STEAM INJECTION, (SOUTH), WITH MOLECULAR GAS SEAL AND NATURAL GAS PILOT BURNER, HEIGHT: 200 FT; DIAMETER: 12 FT A/N: 334427 Permit to Construct Issued: 01/27/98	C723				D12.10, D323.2, E193.4, H23.28, H23.32, I1.2
POT, DRAIN, F-1A, SOUTH RECOVERY SYSTEM, LENGTH: 12 FT; DIAMETER: 4 FT A/N: 334427 Permit to Construct Issued: 01/27/98	D834				

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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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
POT, DRAIN, F-1B, SOUTH RECOVERY SYSTEM, LENGTH: 12 FT; DIAMETER: 4 FT A/N: 334427 Permit to Construct Issued: 01/27/98	D835				
POT, LIQUID SEAL, F-55, SOUTH RECOVERY SYSTEM, LENGTH: 33 FT 4 IN; DIAMETER: 12 FT A/N: 334427 Permit to Construct Issued: 01/27/98	D836				
KNOCK OUT POT, F-155, SOUTH RECOVERY SYSTEM, LENGTH: 40 FT; DIAMETER: 13 FT 6 IN A/N: 334427 Permit to Construct Issued: 01/27/98	D837				
TANK, HOLDING, F-151, VAPORSPHERE, DIAMETER: 66 FT A/N: 334427 Permit to Construct Issued: 01/27/98	D725				
KNOCK OUT POT, F-152, HEIGHT: 5 FT; DIAMETER: 1 FT 6 IN A/N: 334427 Permit to Construct Issued: 01/27/98	D726				
POT, DRAIN, F-1, HEIGHT: 8 FT; DIAMETER: 3 FT 6 IN A/N: 334427 Permit to Construct Issued: 01/27/98	D727				
KNOCK OUT POT, HEIGHT: 24 FT; DIAMETER: 25 FT A/N: 334427 Permit to Construct Issued: 01/27/98	D729				

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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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
TANK, SURGE, F-154, JACKET WATER, DIAMETER: 8 IN A/N: 334427 Permit to Construct Issued: 01/27/98	D730				
COMPRESSOR, GB151, DRIVEN BY AN ICE DEVICE ID D732 A/N: 334427 Permit to Construct Issued: 01/27/98	D1554				
KNOCK OUT POT, F-156, PACKER VENT A/N: 334427 Permit to Construct Issued: 01/27/98	D734				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 334427 Permit to Construct Issued: 01/27/98	D1617				H23.2
<b>System 5 : HYDROCRACKING FLARE</b>					S18.2, S18.8
FLARE, ELEVATED WITH STEAM INJECTION, UK, NATURAL GAS, JOHN ZINK, MODEL STS-36, HEIGHT: 200 FT; DIAMETER: 3 FT A/N: 406318 Permit to Construct Issued: 10/11/03	C748				D12.10, D323.2, E193.4, H23.28, H23.32, I1.2
KNOCK OUT POT, F-701, LENGTH: 32 FT; DIAMETER: 11 FT 6 IN A/N: 406318 Permit to Construct Issued: 10/11/03	D749				

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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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
DRUM, SEAL, F-703, HEIGHT: 15 FT; DIAMETER: 10 FT A/N: 406318 Permit to Construct Issued: 10/11/03	D1693				
<b>System 6 : VAPOR RECOVERY SYSTEM (NORTH)</b>					S13.6, S15.1, S15.16, S18.2, S18.10
DRUM, UNIT 152 BLOWDOWN, F-6C, LIGHT HC RELIEF AND RECOVERY, LENGTH: 20 FT 3 IN; DIAMETER: 9 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D710				
DRUM, UNIT 152 BLOWDOWN, F-6B, LIGHT HC RELIEF AND RECOVERY, LENGTH: 20 FT; DIAMETER: 9 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D711				
VESSEL, VAPORIZER, F-300, PROPANE RELIEF AND VAPORIZATION VESSEL, LENGTH: 14 FT; DIAMETER: 6 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D714				
KNOCK OUT POT, F-950, LENGTH: 9 FT; DIAMETER: 3 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D715				

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

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

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## 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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
VESSEL, SEPARATOR, F-954, LENGTH: 4 FT; DIAMETER: 2 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D716				
KNOCK OUT POT, F-1, PROPANE, (LPG UNLOADING FACILITY), HEIGHT: 5 FT 6 IN; DIAMETER: 2 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D717				
VESSEL, UNIT 138 BLOWDOWN, F-9, HEIGHT: 14 FT; DIAMETER: 10 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D718				
COMPRESSOR, TWO STAGE, GB-951, RECIPROCATING, 1991CFM, PACKED GLANDS, 350-HP. A/N: 406317 Permit to Construct Issued: 10/11/03	D719	D665 D1378			
VESSEL, VAPORIZER, F-20, UNIT 91 PROPANE RELIEF AND VAPORIZATION, LENGTH: 14 FT; DIAMETER: 6 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D720				
VESSEL, F-231, UNIT 110 PROPANE RELIEF AND VAPORIZATION, LENGTH: 14 FT; DIAMETER: 6 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D721				

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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 17 : AIR POLLUTION CONTROL (FLARES)</b>					
KNOCK OUT POT, F-148 A/N: 406317 Permit to Construct Issued: 10/11/03	D833				
KNOCK OUT POT, 118-V-410, LENGTH: 10 FT; DIAMETER: 6 FT A/N: 406317 Permit to Construct Issued: 10/11/03	D1355				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 406317 Permit to Construct Issued: 10/11/03	D1616				H23.2
<b>Process 18 : ISOMERIZATION UNIT 60</b>					P13.2
<b>System 1 : ISOMERIZATION, PENEX PLUS UNIT 60</b>					S4.1, S11.1, S13.6, S15.2, S15.3
MIST ELIMINATOR, 60-ME-001, LUBE OIL MIST ELIMINATOR A/N: 326166 † Permit to Construct Issued: 07/24/96	D838				
ACCUMULATOR, 60-F-148, MAKE-UP GAS CHLORIDE A/N: 326166 † Permit to Construct Issued: 07/24/96	D839				
VESSEL, ZINC OXIDE TREATER, 60-F-134 A/N: 326166 † Permit to Construct Issued: 07/24/96	D840				

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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.

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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 18 : ISOMERIZATION UNIT 60</b>					P13.2
DRYER, MAKE UP GAS, 60-F-133A/B A/N: 326166 † Permit to Construct Issued: 07/24/96	D841				
TANK, SURGE, 60-F-130, FEED, HEIGHT: 26 FT; DIAMETER: 8 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D842			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
VESSEL, TREATER, 60-F-131, SULFUR GUARD, HEIGHT: 13 FT 6 IN; DIAMETER: 6 FT A/N: 326166 † Permit to Construct Issued: 07/24/96	D843				
VESSEL, 60-F-210, PROCESS WATER DEGASSING, HEIGHT: 10 FT; DIAMETER: 4 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D844				
REACTOR, 60-D-104, WIDTH: 36 FT 1 IN; DIAMETER: 6 FT A/N: 326166 † Permit to Construct Issued: 07/24/96	D845				
VESSEL, RECEIVER, 60-F-132, HEIGHT: 27 FT 6 IN; DIAMETER: 100 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D846				
REACTOR, 60-D-110A, HEIGHT: 26 FT 10 IN; DIAMETER: 7 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D847				

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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.

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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 18 : ISOMERIZATION UNIT 60</b>					P13.2
REACTOR, 60-D-110B, HEIGHT: 26 FT 10 IN; DIAMETER: 7 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D848				
VESSEL, STABILIZER, 60-D-105, HEIGHT: 34 FT; DIAMETER: 7 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D849				
VESSEL, RECEIVER, 60-F-103, STABILIZER REFLUX, LENGTH: 20 FT; DIAMETER: 4 FT A/N: 326166 † Permit to Construct Issued: 07/24/96	D850				
SCRUBBER, 60-D-111, NET GAS, HEIGHT: 35 FT; DIAMETER: 7 FT A/N: 326166 † Permit to Construct Issued: 07/24/96	D851				
DRUM, 60-F-140, CAUSTIC DEGASSING, HEIGHT: 10 FT; DIAMETER: 2 FT 6 IN A/N: 326166 † Permit to Construct Issued: 07/24/96	D852			<b>HAP: (10) [40CFR 63 Subpart CC, #2,5-25-2001]</b>	
<b>System 2 : ISOMERIZATION, BUTAMER UNIT 60</b>					S4.1, S11.1, S13.6, S15.2, S15.3
REACTOR, 60-D-302A, HEIGHT: 12 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 334038 Permit to Construct Issued: 01/27/98	D1534				

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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 18 : ISOMERIZATION UNIT 60</b>					P13.2
REACTOR, 60-D-302B, HEIGHT: 12 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 334038 Permit to Construct Issued: 01/27/98	D1535				
VESSEL, FEED DRYER, 60-D-301A, HEIGHT: 20 FT; DIAMETER: 5 FT A/N: 334038 Permit to Construct Issued: 01/27/98	D1536				
VESSEL, FEED DRYER, 60-D-301B, HEIGHT: 20 FT; DIAMETER: 5 FT A/N: 334038 Permit to Construct Issued: 01/27/98	D1537				
VESSEL, FEED SURGE, 60-F-301, HEIGHT: 22 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 334038 Permit to Construct Issued: 01/27/98	D1538				
VESSEL, STABILIZER, 60-D-303, HEIGHT: 86 FT; DIAMETER: 5 FT 6 IN A/N: 334038 Permit to Construct Issued: 01/27/98	D1539				
VESSEL, STABILIZER RECEIVER, 60-F-303, LENGTH: 13 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 334038 Permit to Construct Issued: 01/27/98	D1540				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 334038 Permit to Construct Issued: 01/27/98	D1622				H23.3

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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: 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	2	1	1
D3	2	1	1
D4	3	1	1
D5	3	1	1
D6	3	1	1
D7	3	1	1
D8	3	1	1
D11	4	1	1
D12	4	1	1
D13	4	1	1
D14	4	1	1
D15	4	1	1
D81	11	2	4
D82	10	2	4
D83	10	2	4
D84	10	2	4
D85	11	2	4
D86	9	2	4
D87	11	2	4
D88	11	2	4
D90	12	2	4
D91	12	2	4
D92	12	2	4
D93	12	2	4
D94	12	2	4
D95	12	2	4
D96	13	2	4
D97	13	2	4
D98	13	2	4
D99	13	2	4
D237	22	5	1
D267	26	6	1
D268	26	6	1
D269	26	6	1
D270	26	6	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
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D272	26	6	1
D273	27	6	1
D274	27	6	1
D275	27	6	1
D276	27	6	1
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D278	27	6	1
D279	28	6	1
D280	28	6	1
D281	28	6	1
D282	28	6	1
D283	28	6	1
D284	28	6	1
D285	29	6	1
D286	29	6	1
D287	29	6	1
D288	29	6	1
D289	29	6	1
D290	29	6	1
D291	29	6	1
D292	30	6	1
D293	30	6	1
D294	30	6	1
D295	30	6	1
D296	30	6	1
D298	30	6	1
D299	31	6	1
D300	31	6	1
D301	31	6	1
D302	31	6	1
D303	31	6	1
D304	31	6	1
D305	32	6	1
D306	32	6	1
D307	32	6	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
D308	32	6	1
D309	32	6	1
D310	32	6	1
D311	32	6	1
D312	33	6	1
D313	33	6	1
D314	33	6	1
D315	33	6	1
D316	33	6	1
D317	33	6	1
D318	34	6	1
D319	34	6	1
D320	34	6	1
D321	34	6	1
D322	34	6	1
D323	34	6	1
D324	35	6	1
D325	35	6	1
D331	35	7	1
D333	36	7	1
D334	36	7	1
D335	36	7	1
D336	36	7	1
D337	37	7	1
D338	37	7	1
D339	37	7	1
D340	37	7	1
C341	37	7	1
D342	37	7	1
D343	37	7	1
D344	38	7	1
D348	38	7	1
D349	38	7	1
D350	38	7	1
D352	40	7	3
C353	41	7	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
D354	41	7	3
D398	46	9	4
D399	46	9	4
D400	46	9	4
D401	46	9	4
D402	46	9	4
D404	47	9	4
D405	47	9	4
D406	47	9	4
D458	49	11	1
D459	49	11	1
D499	50	12	1
D500	50	12	1
D501	50	12	1
D502	51	12	1
D503	51	12	1
D504	51	12	1
D505	51	12	1
D506	51	12	1
D507	52	12	1
D508	52	12	1
D509	52	12	1
D512	52	12	1
D513	53	12	1
D514	53	12	1
D515	53	12	1
D516	53	12	1
D517	54	12	1
D518	54	12	1
C522	57	12	3
C524	57	12	3
C526	57	12	3
D570	59	13	8
D644	58	13	6
D645	58	13	6
D646	58	13	6

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D661	59	13	7
D662	59	13	7
D686	61	15	1
D697	62	16	5
D698	62	16	5
D701	64	16	9
C706	65	17	1
D709	65	17	1
D710	68	17	6
D711	68	17	6
D714	68	17	6
D715	68	17	6
D716	69	17	6
D717	69	17	6
D718	69	17	6
D719	69	17	6
D720	69	17	6
D721	69	17	6
C723	65	17	2
D725	66	17	2
D726	66	17	2
D727	66	17	2
D729	66	17	2
D730	67	17	2
D734	67	17	2
C748	67	17	5
D749	67	17	5
D754	16	3	3
D755	17	4	2
D756	17	4	2
D757	17	4	2
D758	17	4	2
D759	17	4	2
D760	17	4	2
D761	18	4	2
D764	18	4	2

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D765	18	4	2
D766	18	4	2
D768	18	4	2
D769	18	4	2
D772	18	4	2
D773	19	4	2
D775	19	4	2
D776	19	4	2
D777	19	4	2
D778	19	4	2
D779	19	4	2
D780	19	4	2
D781	20	4	2
D782	20	4	2
D783	20	4	2
D784	20	4	2
D785	20	4	2
D786	20	4	2
D787	20	4	2
D789	21	4	2
D790	21	4	2
D813	47	9	7
D814	48	9	7
D825	58	13	4
D833	70	17	6
D834	65	17	2
D835	66	17	2
D836	66	17	2
D837	66	17	2
D838	70	18	1
D839	70	18	1
D840	70	18	1
D841	71	18	1
D842	71	18	1
D843	71	18	1
D844	71	18	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
D845	71	18	1
D846	71	18	1
D847	71	18	1
D848	72	18	1
D849	72	18	1
D850	72	18	1
D851	72	18	1
D852	72	18	1
D1342	45	8	1
C1343	45	8	3
D1345	8	2	1
D1346	8	2	1
D1347	9	2	1
D1348	9	2	1
D1349	21	4	4
C1352	22	4	5
D1355	70	17	6
D1361	23	5	1
D1362	23	5	1
D1363	35	6	1
D1367	57	13	4
D1373	16	3	1
D1374	16	3	1
D1375	16	3	1
D1376	9	2	3
D1378	60	13	9
D1380	49	11	7
D1385	50	11	8
D1386	42	7	5
D1402	38	7	1
D1403	38	7	1
D1404	39	7	1
D1405	39	7	1
D1406	39	7	1
D1407	39	7	1
D1408	39	7	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
D1409	39	7	1
D1437	23	5	1
D1438	23	5	1
D1442	23	5	1
D1447	48	9	9
D1449	48	9	9
D1450	48	9	9
D1451	48	9	9
D1455	9	2	1
D1473	45	8	2
D1495	13	2	4
D1502	4	1	1
D1503	5	1	1
D1511	13	2	4
D1523	38	7	1
D1525	40	7	1
D1534	72	18	2
D1535	73	18	2
D1536	73	18	2
D1537	73	18	2
D1538	73	18	2
D1539	73	18	2
D1540	73	18	2
D1543	55	12	1
D1544	55	12	1
C1545	42	7	4
D1546	41	7	4
D1547	40	7	1
D1548	40	7	1
D1550	56	12	1
D1551	56	12	1
D1552	47	9	4
D1554	67	17	2
D1565	5	1	1
D1575	14	2	4
D1585	21	4	2

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1589	35	6	1
D1591	40	7	1
D1594	42	7	4
D1605	49	11	1
D1608	56	12	1
D1616	70	17	6
D1617	67	17	2
D1622	73	18	2
D1624	56	12	1
D1647	56	12	1
D1659	24	6	1
D1660	24	6	1
D1661	24	6	1
D1662	24	6	1
D1663	24	6	1
D1664	24	6	1
D1665	25	6	1
D1666	25	6	1
D1667	25	6	1
D1668	25	6	1
D1669	25	6	1
D1670	25	6	1
D1673	49	11	1
D1674	5	1	1
D1675	41	7	4
D1676	41	7	4
D1677	42	7	4
C1678	42	7	7
D1679	43	7	8
D1680	43	7	8
D1681	43	7	8
D1682	43	7	8
D1688	43	7	8
D1691	5	1	1
D1692	65	17	1
D1693	68	17	5

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1701	10	2	4
D1702	10	2	4
D1703	10	2	4
D1704	11	2	4
D1705	11	2	4
D1707	43	7	8

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1708	44	7	8
D1709	44	7	8
D1711	44	7	8
D1712	44	7	8
D1713	44	7	8
D1714	45	7	8
D1715	3	1	1
D1716	4	1	1
D1717	4	1	1
D1720	14	2	9
C1722	15	2	9
D1725	21	4	2
C1735	63	16	7
C1740	5	1	3
C1741	6	1	3
C1742	6	1	3
C1743	6	1	3
S1750	7	1	3
D1751	7	1	3
D1753	7	1	3
D1754	7	1	3
D1759	8	1	3
D1761	8	1	3
C1773	61	15	1
D1778	64	16	9
D1801	58	13	6
D1802	59	13	7

**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>
D1803	60	13	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, 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]**

- F34.2 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

**[RULE 431.1, 6-12-1998]**

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

40CFR79  
 40CFR80  
 California Code of Regulations, Title 13, Division 3, Chapter 5

**[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999; CCR Title 13, 9-24-1999]**

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

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

**[RULE 463, 5-6-2005]**

[Processes subject to this condition : 13]

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

Contaminant	Rule	Rule/Subpart
HAPs	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, 11, 12, 13, 18]

### 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 production rate to no more than 450 ton(s) in any one day.

For the purpose of this condition, production rate shall be defined as total daily production of sulfuric acid expressed as 100 percent H<sub>2</sub>SO<sub>4</sub>.

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

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

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

S1.2 The operator shall limit the loading rate to no more than 1.3356e+06 gallon(s) per month.

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

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

[Systems subject to this condition : Process 11, System 7]

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 , 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:

- S4.1 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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 distinctly 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 diagrams with a listing showing by functional grouping, location, type, accessibility, and application of each new valve in VOC service.

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 above 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.

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.

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

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

[Systems subject to this condition : Process 2, System 1 , 3; Process 3, System 1 , 3; Process 4, System 2; Process 5, System 1; Process 18, 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:

- S4.2 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

**[RULE 1303(a)(1)-BACT, 5-10-1996; 40CFR 60 Subpart QQQ, 5-5-1989]**

[Systems subject to this condition : Process 1, System 2; Process 6, 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:

- S4.3 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above 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.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

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 may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on the actual components installed and removed from service. The operator shall also submit 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 and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

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

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

- S4.4 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above 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.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

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 may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on the actual components installed and removed from service. The operator shall also submit 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 and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

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

[Systems subject to this condition : Process 6, 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:

- S11.1 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Subsequent Environmental Impact Report dated 18-nov-1994 for this facility.

This condition shall only apply to equipment listed in Section H of this facility permit.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 2, System 3 , 4; Process 3, System 1 , 3; Process 4, System 2 , 4 , 5; Process 5, System 1; Process 6, System 1; Process 8, System 3; Process 18, System 1 , 2]

- S13.1 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 12, System 1 , 3]

- 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	1149

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

[Systems subject to this condition : Process 13, System 4 , 6 , 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:

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	462

**[RULE 462, 5-14-1999]**

[Systems subject to this condition : Process 11, System 4 , 6]

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	461

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

[Systems subject to this condition : Process 16, System 5]

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	1189

**[RULE 1189, 1-21-2000]**

[Systems subject to this condition : Process 4, 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:

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	1123

**[RULE 1123, 12-7-1990]**

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 2 , 3 , 4 , 5; Process 3, System 1 , 3; Process 4, System 1 , 2; Process 5, System 1; Process 6, System 1; Process 8, System 1; Process 9, System 1 , 3 , 4 , 5 , 6; Process 10, System 1 , 2 , 4 , 5; Process 17, System 6 , 7; Process 18, System 1 , 2]

S13.8 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
VOC	District Rule	1149

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, 12-21-2001; RULE 463, 5-6-2005]**

[Systems subject to this condition : Process 13, System 3 , 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:

S13.9 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1178

**[RULE 1178, 12-21-2001]**

[Systems subject to this condition : Process 13, System 1 , 2]

S13.10 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

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

S13.11 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	407
Sulfuric Acid Mist	District Rule	469

**[RULE 407, 4-2-1982; RULE 469, 5-7-1976; RULE 469, 2-13-1981]**

[Systems subject to this condition : Process 7, System 4 , 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:

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

All vent gases shall be directed to the Deethanizers Device ID D1671 and D1672 in the FCCU Fractionation CLEF unit (Process 1, System 2).

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

[Systems subject to this condition : Process 17, System 6]

S15.2 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 vapor recovery system or/and blowdown flare system except Devices IDs D1, D7, D210, D213, D214, D773, D775 TO D785 that vent to the atmosphere and Device ID D772 that normally vents to heater D1349 when hydrogen is being produced and vents to atmosphere when hydrogen is not produced.

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

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 2 , 3 , 4 , 5; Process 3, System 1 , 3; Process 4, System 1 , 2; Process 5, System 1; Process 6, System 1; Process 8, System 1 , 2; Process 13, System 4 , 6; Process 18, System 1 , 2]

S15.3 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 fuel gas treating unit.

This process/system shall not be operated unless the fuel 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 5; Process 3, System 1 , 3; Process 4, System 1 , 2; Process 6, System 1; Process 8, System 1 , 2; Process 18, 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:

S15.5 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be directed to a blowdown flare system(s).

This process/system shall not be operated unless the flare(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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 11, System 6]

S15.6 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 North flare vapor recovery 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 11, System 1; Process 13, System 4 , 6]

S15.7 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be vented to the LPG flare.

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

[Systems subject to this condition : Process 13, 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:

S15.8 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 fuel gas treating unit (Process 9, System 3), or the absorber/scrubber located in Diesel Hydrotreating Unit (Process 2, System 4), or Hydrogen Generation Unit (Process 4, System 1).

This process/system shall not be operated unless the above fuel gas treating unit/absorber/scrubber 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 3]

S15.9 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 absorber located in the hydrogen generation unit (Process 4, System 1) or the fuel gas treating unit (Process 9, System 3).

This process/system shall not be operated unless the absorber/fuel 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 2, System 2; Process 5, System 1]

S15.10 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 absorber located in this system, the absorber located in the hydrogen production unit (Process 4, System 1), or the fuel gas treating unit (Process 9, System 3).

This process/system shall not be operated unless the absorber/fuel 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(b)(2)-Offset, 5-10-1996]**

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

## **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:

S15.11 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) or sulfuric acid production unit.

This process/system shall not be operated unless the sulfur recovery unit(s) or the sulfuric acid production 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 4]

S15.13 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 sulfur recovery 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 1 , 5 , 6; Process 10, System 2 , 5]

S15.14 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases shall be directed to the CANSOLV SOX Scrubbing (Process 7, Sytem 3).

This process/system shall not be operated unless the above vapor control 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 7, 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:

S15.15 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 system.

This process/system shall not be operated unless the above tail gas treating 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 10, System 1 , 4]

S15.16 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to the blowdown 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(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 9, System 1 , 3 , 4 , 5 , 6; Process 10, System 1 , 2 , 4 , 5; Process 17, System 6 , 7]

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:

Amine Stripping Unit 138 (Process: 9, System: 4)

Tail Gas Units (Process: 10, System: 2 & 5)

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

[Systems subject to this condition : Process 10, System 1 , 4]

## 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:

FCCU (Process: 1, System: 1 & 2)

Hydrotreating (Process: 2, System: 1, 2, 3, 4 & 5)

Catalytic Reforming (Process: 3, System: 1 & 3)

Hydrogen Production (Process: 4, System: 1 & 2)

Hydrocracking (Process: 5, System: 1)

Alkylation (Process: 6, System: 1)

Blending (Process: 8, System: 1 & 2)

Treating/Stripping (Process: 9, System: 1)

Butane Loading/Unloading (Process: 11, System: 1)

Butane Storage Tanks (Process: 13, System: 6)

Isomerization (Process: 18, System: 1 & 2)

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

[Systems subject to this condition : Process 17, System 1 , 2 , 5 , 6 , 7]

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:

Butane Storage Tanks (Process: 13, System: 7)

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

[Systems subject to this condition : Process 17, System 4]

## 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:

S18.4 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:

FCCU (Process: 1, System: 1 & 2)

Hydrotreating (Process: 2, System: 1, 2, 3, 4 & 5)

Catalytic Reforming (Process: 3, System: 1 & 3)

Hydrogen Production (Process: 4, System: 1 & 2)

Alkylation (Process: 6, System: 1)

Blending (Process: 8, System: 1 & 2)

Isomerization (Process: 18, System: 1 & 2)

Hydrocracking (Process: 5, System: 1)

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

[Systems subject to this condition : Process 9, System 3]

S18.6 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:

Amine Stripping Unit 138 (Process: 9, System: 4)

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

[Systems subject to this condition : Process 7, System 1; Process 10, System 1 , 4]

## 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:

- S18.7 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:

Contact H2SO4 Production Plant (Process: 7, System: 1)

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

[Systems subject to this condition : Process 7, System 3]

- S18.8 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:

Treating/Stripping (Process: 9, System: 1, 2, 3, 4, 5 & 6)

Sulfur Recovery Plant (Process: 10, System: 1, 2, 4, & 5)

Vapor Recovery System (Process: 17, System: 6 & 7)

Loading/Unloading (Process: 11, System: 6)

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

[Systems subject to this condition : Process 17, System 1 , 2 , 5]

- S18.9 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 Plants (Process: 10, System: 1 & 4)

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

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

S18.10 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:

Butane Loading/Unloading (Process: 11, System: 1)

Pressurized Storage Tanks (Process: 13, System: 4 & 6)

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

[Systems subject to this condition : Process 17, System 6 , 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:

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 423384:

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

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

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 components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above 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.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

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 may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on the actual components installed and removed from service. The operator shall also submit 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 and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

## **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:

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

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

## 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:

S42.1 The operator shall not operate the FCCU unless, by November 30, 2008, the operator complies the requirements of the following rule:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

If the operator fails to comply with any of the terms and conditions listed below, the operator shall be subject to the compliance deadlines as specified in Rule 1105.1(d)(1).

1. Modification of the Third Stage Separator and Installation of the Fourth Stage Separator.

a. Submit complete applications to AQMD to replace the existing third stage separator and to install the fourth stage separator no later than August 15, 2004.

b. Submit a source test plan within 30 days of approval of the extension request to determine particulate concentration and mass emissions at the inlet and outlet of the existing third stage separator. Perform the test and report the results to the AQMD within 60 days after the completion of the test along with the following operating parameters at the time of the source test: FCCU throughput (operate at least at 80% of maximum capacity during the test), catalyst feed rate, coke burn-off rate.

c. Begin fabrication of the third and fourth stage separators no later than April 1, 2005.

d. Complete construction and begin operation no later than January 1, 2006. Conduct source tests to determine particulate concentration and mass emissions at the inlet and outlet of each separator (third and fourth stage) and report the results to the AQMD by April 30, 2006 along with the following operating parameters at the time of the source tests: FCCU throughput (operate at least at 80% of maximum capacity during the test), catalyst feed rate, coke burn-off rate.

2. Select an air pollution control technology for compliance with the emission limits in Rule 1105.1(d)(1) and submit a letter to the AQMD specifying the control technology selected by May 31, 2006.

3. Award contract(s) to design the control technology selected for compliance with Rule 1105.1(d)(1) by July 1, 2006. Award contract(s) to construct and install the control technology by May 1, 2007.

4. Submit information necessary for the preparation of the California Environmental Quality Act (CEQA) documents for equipment installation and/or modification for 1105.1(d)(1) compliance, by August 1, 2006.

5. Submit a complete application(s) for a permit(s) to construct the control technology selected for compliance with Rule 1105.1(d)(1) by September 1, 2006.

## 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:

6. Begin construction of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by the later of July 1, 2007, or within 30 days of receiving permit(s). These dates may be extended in writing by the Executive Officer upon a request by ConocoPhillips if the CEQA document is not finalized by May 1, 2007. Such extension(s) shall not be for a period more than five months after the original deadline listed in this paragraph.
7. Start operation of the control technology permitted to ensure compliance with Rule 1105.1(d)(1) by October 15, 2008.
8. Comply with all Rule 1105.1(d)(1) requirements no later than November 30, 2008.

**[RULE 1105.1, 11-7-2003]**

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

S42.2 The operator shall only use the following catalyst emission control and process optimization additives in this process system:

MANUFACTURER	PRODUCT
Albemarle	ELIMINOx
Albemarle	KDNOx
Englehard	CLEANOx
Grace-Davison	CP-5
Grace-Davison	DENOX
Grace-Davison	OlefinsMax
Grace-Davison	OlefinsUltra
Grace-Davison	Super DESOX
Grace-Davison	XNOx
Intercat	COP-550
Intercat	NOXGETTER
Intercat	Super SOXGETTER
Intercat	CATNA482

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-7-2008]**

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

### DEVICE 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:

#### A. Emission Limits

A1.1 Compliance with the Emission limit(s) specified in the Emissions and Requirements column for this device shall be determined as follows:

Emittant	Emission Limit	Emission Units	Compliance Verification Method
SOx	9.8	kg /1000kg COKE BURN-OFF	Daily sampling per 40CFR60 Subpart J paragraph 60.106(i) or other approved method

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

[Devices subject to this condition : D1]

A1.2 Compliance with the Emission limit(s) specified in the Emissions and Requirements column for this device shall be determined as follows:

Emittant	Emission Limit Type	Averaging time (O2 Content)	Compliance Verification Method
NH3	(4)- BACT	1 hour (3 percent oxygen)	Source Test

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

[Devices subject to this condition : C1773]

## **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:

- A26.3 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 A 1- 1

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

[Devices subject to this condition : D1]

- A26.4 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, 6-24-2008]**

[Devices subject to this condition : D686]

## 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:

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 248 LBS IN ANY ONE DAY
PM10	Less than or equal to 166 LBS IN ANY ONE DAY
ROG	Less than or equal to 110 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using daily fuel usage data in MMSCF/hr, and the emission factors in lbs/MMscf of fuel usage derived from the latest source test results on this equipment.

For the purposes of this condition, Fuel usage shall be defined as the fuel used to operate the burners..

To comply with this condition, the operator shall use the following equation for each pollutant to determine daily emissions: Pollutant (lbs/day) = Fuel usage (mmscf/hr) x pollutant emission factor (lbs/MMscf) x 24

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

[Devices subject to this condition : D1349]

## 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:

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

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 7.96 LBS IN ANY ONE YEAR
MTBE	Less than or equal to 53.38 LBS IN ANY ONE YEAR

To comply with this condition, the operator shall determine benzene and MTBE emissions on a quarterly basis using results from grab sample and total blower extraction volume for the quarter.

The sum of the benzene emissions for the year shall not exceed limit.

The sum of the MTBE emissions for the year shall not exceed limit.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C1735]

A99.3 The 5 PPM NOX emission limit(s) shall not apply when this equipment is startup, shutdown, during the refractory dryout period, or when the heater exhaust temperature is below 500 degrees F.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1720]

A99.4 The 10 PPM CO emission limit(s) shall not apply when this equipment is startup, shutdown, or during the refractory dryout period.

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

[Devices subject to this condition : D1720]

A195.1 The 7 PPM NOX emission limit(s) is averaged over 15 minutes.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1349]

## **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:

A195.4 The 5 PPMV NOX emission limit(s) is averaged over 60 minutes.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1720]

A195.5 The 10 PPMV CO emission limit(s) is averaged over 60 minutes.

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

[Devices subject to this condition : D1720]

A195.6 The 5 PPMV NH3 emission limit(s) is averaged over 60 minutes.

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

[Devices subject to this condition : C1722]

A195.7 The 20 PPMV NOX emission limit(s) is averaged over 365 rolling days at 0% O2, dry basis.

The 20 ppmv NOx emission limit shall become effective on March 1, 2011.

**[ CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]**

[Devices subject to this condition : D1]

A195.8 The 40 PPMV NOX emission limit(s) is averaged over 7 rolling days at 0% O2, dry basis.

The 40 ppmv NOx emission limit shall become effective on March 1, 2011.

NOx emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize NOx emissions.

**[ CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]**

[Devices subject to this condition : D1]

## **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:

A195.9 The 50 PPMV SO<sub>2</sub> emission limit(s) is averaged over 7 rolling days at 0% O<sub>2</sub>, dry basis.

The 50 ppmv SO<sub>2</sub> emission limit shall become effective on March 1, 2011.

SO<sub>2</sub> emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize SO<sub>2</sub> emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.10The 25 PPMV SO<sub>2</sub> emission limit(s) is averaged over 365 rolling days at 0% O<sub>2</sub>, dry basis..

The 25 ppmv SO<sub>2</sub> emission limit shall become effective on March 1, 2011.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.11The 500 PPMV CO emission limit(s) is averaged over 1 hour at 0% O<sub>2</sub>, dry basis.

CO emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize CO emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.12The 500 PPMV CO emission limit(s) is averaged over 1 hour as measured (no O<sub>2</sub> correction) on a dry basis.

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

[Devices subject to this condition : D1]

## **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:

A195.13 The 0.5 LBS/1000 LBS OF COKE BURNED PM emission limit(s) is averaged over 3 hours.

The PM emission limit shall become effective on December 31, 2008.

PM emissions during period of Startup, Shutdown, or Malfunction shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize PM emissions.

[ **CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005**]

[Devices subject to this condition : D1]

A195.14 The 32 PPMV NOX emission limit(s) is averaged over 60 minutes.

NOx concentration is 32 ppmv corrected to 3% O<sub>2</sub>, dry basis.

Notwithstanding the requirements of Section E conditions, a source test shall be performed once every five years to demonstrate compliance with this limit.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : C1735]

A195.15 The 200 PPMV CO emission limit(s) is averaged over 60 minutes.

CO concentration is 32 ppmv corrected to 3% O<sub>2</sub>, dry basis.

Notwithstanding the requirements of Section E conditions, a source test shall be performed once every five years to demonstrate compliance with this limit.

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

[Devices subject to this condition : C1735]

## **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:

- A229.1 The 30 Percent Opacity emission limit is measured by a continuous opacity monitor. However, it is allowed to exceed the limit for one six-minute average opacity reading in any one hour period.

The operator shall install and maintain a(n) continuous opacity monitor to accurately indicate the opacity of the exhaust

For the purpose of this condition, a continuous opacity monitor shall be either 1) a continuous monitoring system or 2) a monitoring method pursuant to an USEPA-approved alternative monitoring plan (AMP). A copy of such approved AMP shall be forwarded to the Executive Officer or designee.

The operator shall install the continuous opacity monitor by the allotted time in NSPS Subpart A 40CFR60.13.

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

[Devices subject to this condition : D1]

- A305.2 Whenever this equipment is in operation, the flue gas recirculation 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 2005, 5-6-2005]**

[Devices subject to this condition : D686]

- A305.3 Whenever this equipment is in operation, the selective catalytic reduction (SCR) 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 : D686]

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

## 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:

B61.1 The operator shall only use fuel gas containing the following specified compounds:

Compound	ppm by volume
Sulfur less than	100

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1349]

B61.4 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

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

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

[Devices subject to this condition : D686]

## 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:

B61.6 The operator shall only use fuel gas containing the following specified compounds:

Compound	ppm by volume
Total sulfur compounds calculated as H <sub>2</sub> S less than or equal to	40

The 40 ppm limit is averaged over four hours

The total sulfur content of the fuel burned in this heater shall be determined by calculation using the "FuelSulfur" equation in the latest version of the facility "Software Design Description (SDD)" plus 4% using Sox emissions monitored by the CEMS required by "Section F: RECLAIM Monitoring and Source Testing Requirements".

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1720]

B61.7 The operator shall not use aqueous ammonia containing the following specified compounds:

Compound	weight percent
ammonia greater than	30

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

[Devices subject to this condition : C1722]

## 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:

B61.8 The operator shall not use aqueous ammonia containing the following specified compounds:

Compound	weight percent
Ammonia greater than	19

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

[Devices subject to this condition : C1773]

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 affixed 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 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**; **RULE 1401, 3-7-2008**]

[Devices subject to this condition : C1735]

### C. Throughput or Operating Parameter Limits

C1.5 The operator shall limit the number of turnovers to no more than 20 in any one year.

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

[Devices subject to this condition : D1378]

## 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:

C1.15 The operator shall limit the number of turnovers to no more than 5 in any one year.

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

[Devices subject to this condition : D825]

C1.17 The operator shall limit the number of turnovers to no more than 31 in any one year.

This limit shall be based on the total combined limit for equipment listed under Devices D1378 (Mixed Pentanes Storage Tank 466) and D665 (Organic Liquid Storage Tank 304) during Tank 304 shutdown for maintenance. The limit of 20 turnovers from Tank 466 shall not be applied during Tank 304 shutdown for maintenance.

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

[Devices subject to this condition : D1378]

C1.26 The operator shall limit the firing rate to no more than 34 MM Btu per hour.

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

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

[Devices subject to this condition : D1720]

C1.51 The operator shall limit the throughput to no more than 250000 barrel(s) in any one month.

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

[Devices subject to this condition : D661, D662]

## **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:

C1.52 The operator shall limit the unloading rate to no more than 360000 barrel(s) in any one month.

This limit shall be based on the total combined limit for equipment D458.

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

[Devices subject to this condition : D458]

C1.53 The operator shall limit the loading rate to no more than 165000 barrel(s) in any one month.

This limit shall be based on the total combined limit for equipment D459.

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

[Devices subject to this condition : D459]

C1.54 The operator shall limit the throughput to no more than 300000 barrel(s) in any one month.

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

[Devices subject to this condition : D644, D645, D646, D1367]

C1.55 The operator shall limit the loading rate to no more than 360000 barrel(s) in any one month.

This limit shall be based on the total combined limit for equipment D458.

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

[Devices subject to this condition : D458]

## **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:

C1.56 The operator shall limit the unloading rate to no more than 165000 barrel(s) in any one month.

This limit shall be based on the total combined limit for equipment D459.

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

[Devices subject to this condition : D459]

C1.62 The operator shall limit the firing rate to no more than 304 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 available to the District personnel upon request.

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

[Devices subject to this condition : D686]

C1.64 The operator shall limit the throughput to no more than 31800 barrel(s) in any one month.

To comply with this condition, the operator shall monitor and record the liquid outage daily. Such records shall be maintained for at two years and made available to the District personnel upon request.

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

[Devices subject to this condition : D1386]

## 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:

C1.80 The operator shall limit the throughput to no more than 55,000 barrel(s) in any one day.

For the purpose of this condition, throughput shall be defined as FCCU feed rate.

The operator shall properly maintain and operate the existing throughput measuring and recording device to show compliance with this limit.

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

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

[Devices subject to this condition : D7]

C1.81 The operator shall limit the loading rate to no more than 500 cubic feet per minute.

For the purpose of this condition, loading rate 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 SCFM) corresponding to the pressure reading.

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

[Devices subject to this condition : C1735]

## **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:

C1.82 The operator shall limit the throughput to no more than 4266000 barrels in any one calendar year.

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 the time that the ATLG went out of service.

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

[Devices subject to this condition : D570]

## 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:

C1.83 The operator shall limit the throughput to no more than 790000 barrel(s) in any one calendar month.

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 the time that the ATLG went out of service.

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

[Devices subject to this condition : D570]

C6.2 The operator shall use this equipment in such a manner that the pressure being monitored, as indicated below, does not exceed 4.3 inches water column.

To comply with this condition, the operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure of the closed vent system connecting this equipment to the carbon adsorption system.

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

[Devices subject to this condition : D518, D1543, D1544, D1551, D1624]

## **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:

- C6.3 The operator shall use this equipment in such a manner that the flow 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 at the outlet of the blower in cubic feet per minute.

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

[Devices subject to this condition : D814]

- C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 25 gpm.

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

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

The measuring device or gauge shall be accurate to within 0.5 gpm. It shall be calibrated once every 12 months.

The operator shall maintain records of caustic flow rate and meter calibrations for at least three years and make available to District personnel upon request.

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]**

[Devices subject to this condition : C1545]

## 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:

- C8.5 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 in 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 0.3 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 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-7-2008]**

[Devices subject to this condition : C1735]

- C8.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 650 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 in 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 0.3 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 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-7-2008]**

[Devices subject to this condition : C1735]

## **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:

- C12.2 The operator shall use this equipment in such a manner that the the minimum number of stages in operation and the average daily secondary voltage and secondary current (or total power input) being monitored as indicated below are greater than or equal to one WESP stage in operation and the total power input value (or total current and total voltage) in the most recent source test which demonstrated compliance with the emission limits.

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. voltage
2. current

at each WESP field. In addition, the operator shall keep records, in a manner approved by the District, for each of these parameters.

If the daily average WESP total power input falls below the level measured in the most recent source test which demonstrated compliance with the emission limit, a new source test shall be performed within 90 days at the new minimum daily average WESP total power level. The source test shall be performed according to the requirements specified in Permit Condition D29.3

**[RULE 1105.1, 11-7-2003; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C1742, C1743]

## **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:

- C12.3 The operator shall use this equipment in such a manner that the minimum ratio of WGS scrubbing solution flow rate to flue gas flow rate being monitored as indicated below is greater than or equal to the ratio in the most recent source test which demonstrated compliance with the emission limits.

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. flue gas flow rate
2. WGS scrubbing solution flow rate

at each venturi scrubber or at the manifold inlet to all scrubbers only if the respective flows are divided equally to each scrubber. In addition, the operator shall keep records, in a manner approved by the District, for each of these parameters.

If the ratio of WGS scrubbing solution flow rate to flue gas flow rate falls below the level measured in the most recent source test which demonstrated compliance with the emission limit, a new source test shall be performed within 90 days at the new minimum ratio level. The source test shall be performed according to the requirements specified in Permit Condition D29.3

**[RULE 1105.1, 11-7-2003; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C1740]

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

- D12.1 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the SCR inlet.

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

[Devices subject to this condition : C1352]

## 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:

- D12.5 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia-to-emitted-NOx mole ratio at the inlet of the SCR.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : C1722, C1773]

- D12.10 The operator shall install and maintain a(n) thermocouple to accurately indicate the presence of a flame at the pilot light.

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 1118, 11-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C706, C723, C748]

- D12.15 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flue gas flow in the flue gas recirculation line.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D686]

- D12.16 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the SCR inlet.

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

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

[Devices subject to this condition : C1722, C1773]

## **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:

D12.17 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the injected ammonia in lb/hr.

The operator shall continuously record the flow rate with a measuring device or gauge accurate to within +/- 5 percent, calibrated once every 12 months.

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

[Devices subject to this condition : C1773]

## **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 to determine and report the ammonia in ppmv, from the SCR unit outlet.

The test shall be conducted to determine and report the control efficiency of the SCR unit.

The test shall be conducted to determine and report the concentration in ppmv and mass emission rate in lb/hr for ROG, NOX, SOX, CO, TOTAL PM, PM10. For pollutants monitored by certified CEMS installed on this equipment, concentration data can be provided in lieu of actual test.

The test shall be conducted to determine and report the flue gas flow rate in SCF per hour, from the SCR unit outlet.

The test shall be conducted to determine and report the moisture in percent, from the SCR unit outlet.

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

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up of changes made as identified in application number 451294.

The test shall be conducted at least annually, thereafter.

Source test shall be conducted when this equipment is operating at 80 percent or greater of the permitted maximum rated capacity and PSA offgas is being supplied to furnace. Record and report PSA offgas flow rate.

The test shall be conducted to determine and report the firing rate in MMBTU/hr of the equipment. The total firing rate shall be the sum total of firing rate from natural gas, refinery fuel gas and/or PSA offgas combusted in the furnace of this equipment.

The test shall be conducted to determine and report the NOX in lb per MMBtu of heat input, from the inlet and outlet of the SCR unit.

The test shall be conducted to determine and report the heating value, in BTU per SCF, of fuel gas supplied to the hydrogen reforming heater. For the purpose of this paragraph, fuel gas shall be defined as natural gas, refinery fuel gas, PSA offgas, or a combination thereof.

The test shall be conducted also to the source test requirements of Section E of this facility permit. In addition, the facility permit holder shall submit the protocol to the AQMD engineer no later than 45 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test. The source test results shall be submitted to the District no later than 60 days after the source test was conducted.

## **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:

[Devices subject to this condition : D1349]

D28.15 The operator shall conduct source test(s) in accordance with the following specifications:

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 determine emission rate of VOC from the SO<sub>2</sub> scrubber. The operator shall submit a test protocol to the District at least 60 days prior to the test. The test shall be conducted according to the approved test protocol.

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

The test shall be conducted with the equipment 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 1301, 12-7-1995]**

[Devices subject to this condition : D1380]

## **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:

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

The test shall be conducted to determine emission rates of NOX, SOX, ROG, CO, PM, sulfuric acid mist, and PM10. The operator shall submit a test protocol to the District at least 60 days prior to the initial test. The tests shall be conducted according to the approved test protocol or any subsequently approved revisions.

The test shall be conducted with the equipment 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.

The test shall be conducted to demonstrate compliance with Rule 469(b) and permit condition.

The test shall be conducted to determine the SO2 conversion efficiency of the converter.

The test shall be conducted at least once every three years for acid mist, CO, and PM.

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 within 120 days after achieving maximum production rate, but no later than 180 days after initial startup.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D333]

D28.17 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted annually to determine the NH3 emission.

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

[Devices subject to this condition : C1352]

## **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:

D28.21 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 rates 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 test. The tests shall be conducted according to the approved test protocol or any subsequently approved revisions.

The test shall be conducted with the equipment 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. The test for PM10 shall be conducted 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.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1720]

## 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
ROG emissions	Approved District method	District-approved averaging time	Outlet of SCR

The test shall be conducted to determine ROG emission rates at the outlet of the SCR in ppmv and in lb/hr.

The test shall be conducted to determine the following parameters: the oxygen content (%), the carbon dioxide (%) and the moisture content in the exhaust gas; exhaust flow rate; and boiler firing rate.

The test shall be conducted with the equipment operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District.

The test(s) shall be conducted at least every 5 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]**

[Devices subject to this condition : D686]

## 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
PM emissions	Approved District method	District-approved averaging time	Outlet of the WESP

For the purpose of this condition, PM emission is filterable PM10 emissions as defined in Rule 1105.1.

The test(s) shall be conducted at least annually.

The test shall be conducted when the equipment is operating under normal conditions.

Source test result shall be submitted to the District no later than 60 days after the source test was conducted

Source test result shall include the following parameters: FCCU feed rate; catalyst recirculation rate; coke burn-off rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the WESP; the average secondary voltage and current (or total power input) and the average spark rate at each of the WESP fields; and the ratio of flue gas flow rate to venturi scrubbers scrubbing solution recirculation flowrate.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D1]

## 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:

D29.4 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 of the WESP
NOX emissions	District method 100.1	District-approved averaging time	Outlet of the WESP
SOX emissions	District method 100.1	District-approved averaging time	Outlet of the WESP
CO emissions	Approved District method	District-approved averaging time	Outlet of the WESP
ROG emissions	Approved District method	District-approved averaging time	Outlet of the WESP

The test(s) 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 rates of NOX, SOX, ROG and CO at the outlet of the WESPs in ppmv and in lb/hr.

The test shall be conducted to determine emission rates of PM and PM10 at the inlet of WGS and outlet of the WESPs simultaneously in lb/hr.

The test shall be conducted to determine the following parameters: the oxygen content (%), the carbon dioxide (%) and the moisture content in the exhaust gas; exhaust flow rate; FCCU feed rate; catalyst recirculation rate; coke burn-off rate; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the WESP; and the average secondary voltage and current (or total power input); the average spark rate at each of the WESP fields.

The test shall be conducted to determine the following additional parameters: opacity at the outlet of the WESP, and the ratio of WGS scrubbing solution recirculation flow rate to flue gas flow rate.

The test shall also be conducted at the outlet of the WESP to determine SOx emissions in lbs/ tons coke burn-off pursuant to 40CFR60, Subpart J and PM emissions in lbs/ 1,000 lbs coke-burn-off pursuant to 40CFR63, Subpart UUU and Consent Decree H-05-0258.

In addition to the source test requirements of Section E of this facility permit, the facility permit holder shall submit the protocol to the AQMD engineer no later than 60 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test. The test shall be conducted according to the approved test protocol or any subsequently approved revisions.

## 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:

The test shall be conducted with the equipment operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District.

**[RULE 1105.1, 11-7-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2005, 5-6-2005; 40CFR 60 Subpart J, 6-24-2008; 40CFR 63 Subpart UUU, 4-20-2006; CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]**

[Devices subject to this condition : D1]

D29.5 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
CO emissions	Approved District method	1 hour	Outlet of the Oxidizer

The test shall be conducted to demonstrate compliance with the NOx concentration limit of 32 PPMV at 3% O2. and CO concentration limit of 200 ppmv at 3% O2.

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; RULE 2005, 5-6-2005]**

[Devices subject to this condition : C1735]

## 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:

D29.6 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
NH3 emissions	Approved District method	1 hour	Outlet of SCR

The test shall be conducted to determine NH3 emission rates at the outlet of the SCR in ppmv corrected to 3% O2 and in lb/hr.

The test shall be conducted to determine the ammonia-to-emitted-NOx mole ratio using outlet NOx CEMS and ammonia injection rate.

The test shall be conducted at least annually.

The test shall be conducted to determine the following parameters: the oxygen content (%), the carbon dioxide (%) and the moisture content in the exhaust gas; exhaust flow rate; boiler firing rate, SCR inlet temperature and ammonia injection rate.

The test shall be conducted when the combustion equipment vented to the SCR is operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District, with ammonia injection.

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

[Devices subject to this condition : C1773]

## 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:

D29.7 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 SCR
NH3 emissions	Approved District method	1 hour	Outlet of SCR

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 NOx emission rates at the inlet and outlet of the SCR in ppmv and in lb/hr.

The test shall be conducted to determine NH3 emission rates at the outlet of the SCR in ppmv corrected to 3% O2 and in lb/hr.

The test shall be conducted to determine the ammonia-to-emitted-NOx mole ratio using outlet NOx CEMS and ammonia injection rate.

The test shall be conducted to determine the following parameters: the oxygen content (%), the carbon dioxide (%) and the moisture content in the exhaust gas; exhaust flow rate; boiler firing rate and SCR inlet temperature.

In addition to the source test requirements of Section E of this facility permit, the facility permit holder shall submit the protocol to the AQMD engineer no later than 60 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test. The test shall be conducted according to the approved test protocol or any subsequently approved revisions.

The test shall be conducted with the equipment operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District.

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

[Devices subject to this condition : C1773]

## 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:

D29.8 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
NH3 emissions	Approved District method	District-approved averaging time	Outlet

The test shall be conducted to determine the NH3 emissions. The operator shall submit a test protocol to the District at least 60 days prior to the test. The tests shall be conducted according to the approved test protocol or any subsequently approved revisions.

The test shall be conducted with the equipment operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District.

The following operating parameters shall be recorded during the test:

NH3 injection rate, ammonia-to-emitted NOx mole ratio, SCR inlet temperature, and fuel flow rate to the heater.

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 at least annually.

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

[Devices subject to this condition : C1722]

## **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:

D82.4 The operator shall install and maintain a CEMS to measure the following parameters:

SOX concentration in ppmv

Oxygen concentration in percent volume

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

The CEMS shall be installed in accordance with the requirements of the 40CFR60 Subpart J with an appropriate range approved by the AQMD

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

[Devices subject to this condition : D1349, D1720]

D82.5 The operator shall install and maintain a CEMS to measure the following parameters:

CO

O2

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

[Devices subject to this condition : D1]

D90.1 The operator shall periodically monitor the hydrocarbon concentration in the groundwater according to the following specifications:

The operator shall monitor the groundwater in compliance with the Regional Water Quality Control Board Cleanup requirements specified under the current Order for Abatement.

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

[Devices subject to this condition : D814]

## 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:

- D90.3 The operator shall periodically monitor the VOC concentration at the outlet of the carbon adsorber according to the following specifications:

The operator shall monitor once every day.

The operator shall use a District approved organic vapor analyzer 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 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C522, C524, C526, C1343]

- D90.5 The operator shall periodically monitor the SO<sub>2</sub> concentration at the outlet of the scrubber according to the following specifications:

The operator shall monitor once every day when equipment is in operation.

The operator shall maintain records for at least five years and make available to District personnel upon request.

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

[Devices subject to this condition : C1545]

- D90.6 The operator shall periodically monitor the VOC concentration at the outlet of the carbon adsorber system according to the following specifications:

The operator shall use a District approved Organic Vapor Analyzer (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 when equipment is in service.

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

[Devices subject to this condition : C1678]

## **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:

- D90.7 The operator shall periodically monitor the SO<sub>2</sub> concentration at the vent pipe of this tank according to the following specifications:

The operator shall monitor once every week when the equipment is in operation. The operator shall maintain records for at least five years and make available to District personnel upon request.

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

[Devices subject to this condition : D1682, D1709, D1711, D1712]

- D90.11 The operator shall sample and analyze the total hydrocarbon concentration in the alkaline water effluents of the coalescers(D321, D1660, & D1665) and Water Blowdown Drum F31(D300) before and after the modification according to the following specifications:

The operator shall sample and analyze the total hydrocarbon concentration in the alkaline water using District approved methods.

The operator shall submit test protocol to the District for approval at least 60 days prior to the test.

The operator shall submit test results to the District no later than 90 days from startup of the equipment after modification. The operator shall sample at least three times each in three separate operating days.

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

[Devices subject to this condition : D321, D1660, D1665]

## 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:

D90.12 The operator shall sample and analyze the VOC concentration in ppmv hexane, and speciated for benzene at the inlet and outlet of the oxidizer according to the following specifications:

Volatile organic compound (VOC) concentration shall be measured and recorded in parts per million by volume (ppmv) at the inlet and the outlet of this equipment at least once every seven (7) days of its operation using a flame ionization detector or a District approved organic vapor analyzer (OVA) calibrated in parts per million by volume (ppmv) as hexane.

Grab samples shall be collected at the inlet and outlet of this equipment at least once during the first week of its operation and once each quarter thereafter. The samples shall be analyzed for VOC in ppmv reported as hexane, and speciated for benzene and MTBE in ppmv in accordance with AQMD approved methods.

Benzene concentration at the outlet of the vapor control system shall not exceed 0.15 ppmv at vent gas flow rates between 300 to 500 scfm or 0.24 ppmv at vent gas flow rates below 300 scfm.

MTBE concentration at the outlet of the vapor control system shall not exceed 0.89 ppmv.

The operator shall report benzene and MTBE emissions at the outlet of the vapor control system in lb/hr.

VOC concentration at the outlet of the vapor control system shall not exceed 20 ppmv as hexane at vent gas flow rates between 300 to 500 scfm or 33 ppmv at vent gas flow rates below 300 scfm.

Compliance with the concentration limits shall be determined from grab sample analysis.

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

The operator shall record the oxidizer operating temperature in deg F, extraction blower flow rate in SCFM and test duration during the above tests, and include them 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, Refinery Unit, Attention: Permitting Engineer, 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.

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

**[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 1401, 3-7-2008]**

[Devices subject to this condition : C1735]

## **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:

D182.2 The operator shall test this equipment in accordance with the following specifications:

The test shall be conducted to determine the VOC concentration in the closed vent system and at the outlet of the carbon adsorption system and its control efficiency.

The test shall be conducted by April 30, 2001 in accordance with the source test protocol approved by the District. The source test protocol shall be submitted to the District at least 60 days prior to the test.

The District shall be notified of the date and time of the test at least 15 days prior to the test.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

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

[Devices subject to this condition : D502, D503, D504, D518, D1543, D1544, D1551, D1624]

D182.3 The operator shall test this equipment in accordance with the following specifications:

The operator shall conduct an initial performance test within 30 days after start of operation and annual reverification test in accordance with Rule 461 and the applicable permit conditions.

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

[Devices subject to this condition : D697, D698]

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the H2S concentration at the fuel inlet to the combustion device pursuant to 40CFR60 Subpart J. Compliance with the fuel gas H2S concentration can alternately be determined by measuring the SO2 emissions at the outlet of the device and complying with the 20 ppmv (dry basis, zero percent excess air) SO2 limit allowed by 40CFR60 Subpart J. The measurement may be performed at a single device that shares a common source of fuel gas.

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

[Devices subject to this condition : D686]

## **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:

D323.1 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D12, D13, D1715, D1716, D1717]

## 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 semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-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; RULE 401, 11-9-2001]**

[Devices subject to this condition : C706, C723, C748]

## 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:

D323.3 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 monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D1674]

## **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:

D323.4 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 bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D333]

## **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:

D323.5 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 weekly basis, at least, unless the equipment did not operate during the entire weekly period. The routine weekly 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; RULE 401, 11-9-2001]**

[Devices subject to this condition : D1]

## **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 : D1, D333, D686, D1349, D1720, C1735]

- 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 : D697, D698]

- D425.1 The operator shall have the existing NOx CEMS monitoring this device reevaluated by the District by submitting a CEMS application. If recertification is necessary, the operator shall have the existing CEMS monitoring this device recertified within 90 days of the start up of the modification of this device. If the CEMS is not recertified within 90 days of start-up of this device, the facility permit holder shall calculate and report NOx emissions in accordance with Rule 2012, Appendix A, Chapter 2, Paragraph (B)(16).

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D1, D686]

## **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:

- D425.2 The operator shall have the existing SOx CEMS monitoring this device reevaluated by the District by submitting a CEMS application. If recertification is necessary, the operator shall have the existing CEMS monitoring this device recertified within 90 days of the start up of the modification of this device. If the CEMS is not recertified within 90 days of start-up of this device, the facility permit holder shall calculate and report NOx emissions in accordance with Rule 2011, Appendix A, Chapter 2, Paragraph (B)(14).

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D1]

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

- E54.3 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C1352 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: During startup or shutdown period

Requirement number 2: During the refractory dry-out period (up to 150 consecutive hours) to allow the curing of refractory materials, during which time no production of hydrogen shall occur

Requirement number 3: The heater exhaust is below 600 degrees F

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1349]

- E57.2 The operator shall vent this equipment to the superheater B-211 through the Merox Off Gas KO Pot F-210 whenever this equipment and the superheater are in operation. Merox off gases shall not be vented to the flare through control valve PV256 except during shutdown of the superheater or off gas burner maintenance.

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

[Devices subject to this condition : D308]

## 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:

- E57.3 The operator shall vent this equipment to the refinery flare vapor recovery system whenever this equipment is in normal operation.

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

[Devices subject to this condition : D1367]

- E57.5 The operator shall vent this equipment to the refinery vapor recovery system whenever this equipment is in operation.

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

[Devices subject to this condition : D86]

- E57.6 The operator shall vent this equipment to either one of the H2S absorbers D101, D102, or D103 (Device D389, D390, or D391) in Unit 110E (Process 9, System 3) whenever this equipment is in normal operation.

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

[Devices subject to this condition : D92, D99]

- E57.7 The operator shall vent this equipment to the Wet Gas Scrubber (WGS) with Wet Electrostatic Precipitators (WESPs) whenever the FCC unit is in operation.

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

[Devices subject to this condition : D1715, D1716]

- E71.2 The operator shall only inject ammonia into this equipment if the flue gas inlet temperature is at least 600 degrees F.

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

[Devices subject to this condition : C1352]

## **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 only use this equipment for storing Mixed Pentanes except that during Tank 304 shutdown for maintenance, Organic Liquid from Tank 304 shall be stored in this tank.

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

[Devices subject to this condition : D1378]

- E71.6 The operator shall not operate this equipment to process organic vapor unless the connection to the flare header is equipped with a block valve with a car seal or equivalent as approved in writing by the District prior to installation. The valve shall be closed at all times except during startup, shutdown, or scheduled maintenance. The operator shall maintain record of startup, shutdown, or scheduled maintenance in a manner approved by the District and make the record available to District personnel upon request.

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

[Devices subject to this condition : D92, D99, D1667, D1668, D1669, D1670]

- E71.7 The operator shall not use this equipment to store hydrocarbon unless the relief pressure of the control valve PV 300 is set at 62 psig or higher.

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

[Devices subject to this condition : D644]

- E71.8 The operator shall not use this equipment to store hydrocarbon unless the storage vapor temperature is maintained at 85 degree F or less. The operator shall install a temperature gauge readable at ground level for this equipment to show compliance with this condition.

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

[Devices subject to this condition : D644, D645, D646]

- E71.9 The operator shall not use this equipment to store hydrocarbon unless the relief pressure of control valve PV301 is set at 62 psig or higher.

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

[Devices subject to this condition : D645]

## **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:

E71.10 The operator shall not use this equipment to store hydrocarbon unless the relief pressure of control valve PV302 is set at 62 psig or higher.

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

[Devices subject to this condition : D646]

E71.11 The operator shall not use this equipment to store hydrocarbon unless the relief pressure of control valve PV140 is set at 75 psig or higher.

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

[Devices subject to this condition : D661]

E71.12 The operator shall not use this equipment to store hydrocarbon unless the relief pressure of control valve PV141 is set at 75 psig or higher.

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

[Devices subject to this condition : D662]

E71.13 The operator shall not use this equipment to store hydrocarbon unless the storage vapor temperature is maintained at 95 degree F or less. The operator shall install a temperature gauge readable at ground level for this equipment to show compliance with this condition.

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

[Devices subject to this condition : D661, D662]

E71.14 The operator shall not operate this equipment to receive Merox off gas unless the vent line down-stream of control valve PV256 is equipped with a flow meter and the flare gas is being periodically monitored for total sulfur content.

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

[Devices subject to this condition : D709]

## **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:

E71.15 The operator shall only use this equipment to store C4, C5, or any mixture of C3,C4,and C5 with true vapor pressure not exceeding 61.8 psig at 85 degree F.

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

[Devices subject to this condition : D644, D645, D646]

E71.16 The operator shall only use this equipment to store C4, C5, or any mixture of C3,C4,and C5 with true vapor pressure not exceeding 73.4 psig at 95 degree F.

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

[Devices subject to this condition : D661, D662]

E71.17 The operator shall not use this equipment to load additive unless the loading rate is less than or equal to 100 pounds per day for DeNOX and 150 pounds per day for DeSOX additives.

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

[Devices subject to this condition : D1674]

E71.18 The operator shall not operate this equipment to load spent alkylation acid unless the temperature of the combustion chamber (device ID D333) is maintained above 1650 degree F and the oxygen content in the exhaust gas from the stack (device ID S351) is maintained above 1.5 percent by volume except when the vent gas is routed to the backup air pollution control system.

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

[Devices subject to this condition : D1380]

E71.19 The operator shall not use this equipment to store hydrocarbon unless the relief pressure of the control valve PV202B is set at 60 psig or higher and the nitrogen blanket gas control valve PV202A is set at 3 psig or higher.

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

[Devices subject to this condition : D1367]

## **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:

- E71.20 The operator shall not operate this equipment to receive vent gas unless the NaOH concentration in the caustic solution is equal to 5 percent by weight or more. The operator shall install and maintain a continuous NaOH monitor with alarm to accurately indicate and record the NaOH concentration in the scrubbing solution at the inlet of the scrubber. Records shall be maintained and made available to District personnel upon request.

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

[Devices subject to this condition : C1545]

- E71.21 The operator shall not use this equipment to store hydrocarbon unless the storage vapor temperature is maintained at 90 degree F or less. The operator shall install a temperature gauge readable at ground level for this equipment to show compliance with this condition.

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

[Devices subject to this condition : D1367]

- E71.22 The operator shall only use this equipment to store C4 and C5 with total vapor pressure not exceeding 57.0 psig at 90 degree F.

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

[Devices subject to this condition : D1367]

- E71.23 The operator shall not operate this equipment to process hydrocarbon. All piping to this equipment shall be disconnected and blind-flanged.

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

[Devices subject to this condition : D84, D85, D95, D1705]

- E71.24 The operator shall not use any anhydrous ammonia in this equipment except during the malfunction of the aqueous ammonia injection system serving this equipment. The quantity of anhydrous ammonia stored at this facility for use in this equipment shall not exceed a total of two-150 pounds cylinders. The operator shall maintain records of the date, duration, and reason of occurrence when anhydrous ammonia is used and make the records available to District personnel upon request.

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

[Devices subject to this condition : C1722]

## **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:

- E71.25 The operator shall only begin operation of this equipment when the commissioning period has ended until the ammonia injection (Device C38) and Dry ESPs (Devices C36 & C37) have been shutdown and the permits surrendered.

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : C1742, C1743]

- E71.26 The operator shall not use this equipment to service of any of the dry ESP (Devices C36 and/or C37) of FCCU Unit 152 after the commissioning period has ended for any of the WESPs (devices C1742 and/or C1743).

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D701]

- E71.27 The operator shall only load wet fines from the WESP into this equipment when Tank TK-754 (device D1759) is either completely full or out-of-service.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 405, 2-7-1986]**

[Devices subject to this condition : D1761]

- E71.28 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 MTBE.

**[RULE 1401, 3-7-2008]**

[Devices subject to this condition : C1735]

## 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:

E73.3 Notwithstanding the requirements of Section E conditions, the operator is not required to use reformer heater 118-H-401 (D1349) as an air pollution control device and can vent to atmosphere for a period not to exceed 4 hours in any 24-hour period and only during emergencies meeting any one of the conditions as identified below:

1. High liquid level in deaerator V-206 - of the HH level is reached with the furnace operating, or
2. High level in the liquid trap located immediately upstream of the furnace vent connections - if the HH level is reached with the furnace operating , or
3. Low level in either condensate separator V-403 or V-412 - if the LL level is reached with the furnace operating

This condition shall only apply when feed gas that is used in hydrogen production is being supplied to the process.

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

[Devices subject to this condition : D772]

E73.4 Notwithstanding the requirements of Section E conditions, the operator shall not use roll-off bins ME-755 A/B (device D1761) to store solid waste unless all of the following requirements are met:

1. The roll-off bins are covered.

The purpose of this condition is to mitigate particulate emissions from these bins.

For the purpose of this condition, solid waste shall be defined as material containing no free liquid as determined by USEPA Method 9095B (Paint Filter Liquid Test).

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 405, 2-7-1986]**

[Devices subject to this condition : D1761]

E102.2 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 405, 2-7-1986]**

[Devices subject to this condition : D1716]

## **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:

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]**

[Devices subject to this condition : C1343]

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, 5-10-1996]**

[Devices subject to this condition : D701, D825]

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]**

[Devices subject to this condition : C522, C524, C526]

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 adsorber (the 500 ppmv refers to VOC measured by EPA Reference Method 21).

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

[Devices subject to this condition : C1678]

## **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:

- E153.3 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 shall be defined as 500 ppmv of VOCs or 5 ppmv of Benzene at the outlet of the carbon canister indicated by the hydrocarbon monitor reading.

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

[Devices subject to this condition : C1343]

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C1735]

- E193.3 The operator shall upon completion of construction, operate and maintain this equipment according to the following specifications:

The operator shall maintain a minimum 4.5 inches of water seal at the overflow outlet of this equipment.

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

[Devices subject to this condition : D518]

## **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:

E193.4 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

The operator shall install, operate and maintain a stack gas flow meter at the flare stack in according to the Rule 1118 compliance plan approved by the District.

The operator shall install, operate and maintain a flare gas sampling port/facility at a location upstream of the Merox off-gas connection in according to the Rule 1118 compliance plan approved by the District.

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

[Devices subject to this condition : C706, C723, C748]

E193.5 The operator shall construct this equipment according to the following specifications:

The compressor seal system shall be vented to an air pollution control system which is in full use and has a valid permit to receive vent gases from this system.

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

[Devices subject to this condition : D94]

E202.4 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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : C1735]

## 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:

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 of 650 deg. F in catalytic oxidation mode or 1400 deg F in thermal oxidation mode, when temperature exceeds manufacturer's specifications, when flameout occurs, or when the vapor blower flow rate exceeds 500 SCFM.

**[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 : C1735]

E225.1 The operator shall install and maintain an on/off light to indicate the operational status of the control equipment venting this equipment. The on/off light shall be easily observable and its location be made known to the persons in charge of maintenance.

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

[Devices subject to this condition : D1546, D1675]

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

All vent gases under normal operating conditions shall be directed to a reactor combustion chamber B-104 (Device D333).

All vent gases during shutdown of the combustion chamber B-104 (Device D333) shall be directed to a caustic scrubber F-404 (Device C1545) in tandem with a carbon adsorber (Device C1678) with at least one series of adsorbers in operation.

This equipment shall not be operated unless the above air pollution control system is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D1380, D1385, D1386, D1525, D1713, D1714]

## **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:

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

All vent gases shall be directed to the vapor recovery system(s) (Process 17, Systems 6 and 7).

This equipment shall not be operated unless the vapor recovery system(s) is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D88, D1378]

E448.2 The operator shall comply with the following requirements:

The bypass connection to the flare header shall be closed at all times except during an emergency. Record of valve opening and emergency events shall be maintained and made available to District personnel upon request.

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

[Devices subject to this condition : D1704]

E448.3 The operator shall comply with the following requirements:

The operator shall inject aqueous ammonia into this SCR only if the flue gas temperature at the inlet of this SCR is equal to or greater than the 350 degrees Fahrenheit.

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

[Devices subject to this condition : C1773]

### **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
SOX	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

The operator shall keep records to demonstrate compliance or exemption from this condition.

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

[Devices subject to this condition : D1, D686, D1349, D1720]

H23.2 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 : D1565, D1591, D1594, D1605, D1608, D1616, D1617, D1801, D1802, D1803]

## 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:

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	GGG
VOC	District Rule	1173

**[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; 40CFR 60 Subpart GGG, 6-7-1985]**

[Devices subject to this condition : D759, D760, D1585, D1622, D1667]

H23.10 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 : D1647]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D1386]

## 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:

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

**[40CFR 60 Subpart Kb, 10-15-2003]**

[Devices subject to this condition : D516, D517]

H23.22 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	GGG

**[40CFR 60 Subpart GGG, 6-7-1985]**

[Devices subject to this condition : D94, D1575]

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

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

**[RULE 1105.1, 11-7-2003]**

[Devices subject to this condition : D1]

## 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:

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

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	DDDDD

**[40CFR 63 Subpart DDDDD, 12-6-2006]**

[Devices subject to this condition : D1720]

H23.25 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	40CFR60, SUBPART	J
PM	40CFR60, SUBPART	J

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

[Devices subject to this condition : D1]

**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:

H23.26 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 April 6, 2007. Upon request, a copy shall be made available to the Executive Officer or designee.

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

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

[Devices subject to this condition : C1735]

H23.28 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 : C706, C723, C748]

## 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:

H23.32 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[ CONSENT DECREE CIVIL NO. H-05-0258, 1-27-2005]

[Devices subject to this condition : C706, C723, C748]

H116.1 The operator shall maintain the overall SO<sub>2</sub> to SO<sub>3</sub> conversion efficiency or equivalent at least 99.7 percent in order to comply with the performance standard for the sulfur acid plant whenever this plant is in operation. The conversion efficiency shall be calculated based on the SO<sub>2</sub> emission rate and the total SO<sub>2</sub> feed into the converter or linear interpolation calculation from the emission factors listed in Table 8.10-1 of AP42 Chapter 8.10(7/93). Emission factors shall be in lbs/ton based on daily emission rate and sulfuric acid production rate.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D338]

H116.2 The operator shall not discharge liquid or gaseous sulfur compounds exceeding 500 ppmv calculated as sulfur dioxide and averaged over 15 consecutive minutes from the vent pipe of this tank in order to comply with Rule 407 whenever this equipment is in operation.

[RULE 407, 4-2-1982]

[Devices subject to this condition : D1682, D1709, D1711, D1712]

H116.3 The operator shall not discharge VOC vapor exceeding 500 ppmv calculated as methane from the vent pipe of this tank in order to comply with Rule 1303 whenever this equipment is in operation.

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

[Devices subject to this condition : D1709, D1711, D1712]

### 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:

- I1.2 The operator shall comply with all the requirements of of the variance dated May 8, 2008, Case No. 4900-79 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 1118, 2-13-1998; **RULE 1118, 11-4-2005**]

[Devices subject to this condition : C706, C723, C748]

#### **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 : D697]

- 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 : D698]

- J119.1 A CARB certified pressure/vacuum relief valve shall be installed on the tank vent stack and shall be set as specified in CARB Executive Order VR-102-A.

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

[Devices subject to this condition : D697]

## **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:

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). Within thirty (30) days after the start of operation of the equipment, a leak rate test of drop tube overfill prevention device shall be conducted to quantify the pressure integrity of the drop tube overfill prevention device. The test shall be conducted in accordance with the test procedure method outlined in exhibit 5 of CARB Executive Order VR-102-A. Results shall be submitted to the AQMD, Engineering and Compliance, within forty-eight (48) hours of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator, the name of the contractors; the location of the facility, and the scheduled start and completion dates of the leak rate of drop tube overfill prevention device test.

b). Within thirty (30) days after the start of operation of the equipment, a static torque test of rotatable Phase I adaptors shall be conducted to quantify the amount of static torque required to start the rotation of a rotatable Phase I adaptor. The test shall be conducted in accordance with the test procedure method outlined in exhibit 4 of CARB Executive Order VR-102-A. Results shall be submitted to the AQMD, Engineering and Compliance, within forty-eight (48) hours of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator, the name of the contractors; the location of the facility, and the scheduled start and completion dates of the static torque test of rotatable Phase I adaptors.

c). A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within thirty days (30) after the start of operation of the OPW Phase I EVR equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure. The test shall be conducted in accordance with the test procedure method outlined in exhibit 6 of CARB Executive Order VR-102-A. Results shall be submitted to the AQMD, Engineering and Compliance, within forty-eight (48) hours of test. This test result shall be kept on site for three (3) years and made available to district representatives upon request..

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at (909) 396-2606 at least 72 hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the scheduled start and completion dates of the leak rate and cracking pressure of pressure/vacuum relief vent valves test.

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

[Devices subject to this condition : D697]

## 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:

J373.2 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.35
80	0.62

b). Within thirty (30) days after the start of operation of the equipment, dynamic back pressure tests shall be conducted to determine the Phase II vapor recovery system back pressures. The tests shall be conducted in accordance with CARB Test Procedure TP-201.4, methodology 1 and 6. Only methodology 1 shall be conducted as a reverification test. Results shall be submitted to the AQMD, Engineering and Compliance, within forty-eight (48) hours of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator, the name of the contractors; the location of the facility, and the scheduled start and completion dates of the dynamic back pressure tests.

c). If the CARB Executive Order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted within thirty days of initial installation and in accordance with CARB test procedure Method TP-201.6. Results shall be submitted to the AQMD, Engineering and Compliance, within forty-eight (48) hours of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the liquid removal rate test.

[RULE 461, 3-7-2008]

[Devices subject to this condition : D698]

### K. Record Keeping/Reporting

## 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:

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

Source test results shall also include the following operating parameters under which the test was conducted.

FCCU design capacity (MBPD), feed rate (MBPD), density, sulfur content (%) and source (vacuum gas oil, coker gas oil) of feed, flow rates of air to FCCU regenerator (dscfm), amount of combustion promoter, De-NO<sub>x</sub> and De-SO<sub>x</sub> catalyst used (lb/day), catalyst recirculation rate (ton/day), and make-up catalyst rate (ton/day); coke burn-off rate (lbs/hr), the average secondary voltage and current (or total power input), and the average spark rate at each of the ESP field and ESP NH<sub>3</sub> injection rate (lb/hr).

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1]

K40.4 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

The source test reports shall also include the following operating parameters under which the test was conducted:

NH<sub>3</sub> injection rate, ammonia-to-emitted NO<sub>x</sub> mole ratio, SCR inlet temperature, fuel flow rate to the heater, and specification of the catalyst.

This condition shall only apply to source test condition D29.8

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

[Devices subject to this condition : C1722]

## **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:

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

Fuel rate and high heating value of the fuel

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1349]

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

Hourly firing rates, flue gas temperature, process feed flow rates, inlet and outlet process fluid temperatures, excess air, and NOx emissions

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1349]

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

Daily inspections and maintenance of all the valves at this equipment

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

[Devices subject to this condition : D701, D1778]

K67.7 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 : D570]

## 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:

K67.11 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 storage 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 Rule 463(d), 1149, 1178, and 40CFR63 Subpart CC.

**[RULE 1149, 7-14-1995; RULE 1178, 12-21-2001; RULE 1301, 12-7-1995; RULE 463, 5-6-2005; 40CFR 63 Subpart CC, 5-25-2001]**

[Devices subject to this condition : D570]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

- Records of atmospheric vents shall include, but not limited to, date of occurrence, reason for occurrence, duration of occurrence and information to support whether hydrogen was being produced or not.

**[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 : D772]

K171.1 The operator shall provide to the District the following items:

Copy of as-built diagram(s) showing the standards and details of all components of the Phase I Enhanced Vapor Recovery system within 60 days from permit issuance date.

Notification to the District to allow inspection prior to the backfilling in accordance with Rule 461 by e-mail at refinery\_compliance@aqmd.gov and at R461backfill@aqmd.gov.

**[RULE 461, 1-9-2004; RULE 461, 6-3-2005]**

[Devices subject to this condition : D697]

## **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:

K171.2 The operator shall provide to the District the following items:

Final drawings and/or specifications of the geodesic dome cover, slotted/unslotted guidepole, wiper, and other tank appurtenances upgrades being installed/constructed shall be submitted to the District within 60 days after construction.

**[RULE 1178, 12-21-2001]**

[Devices subject to this condition : D570]

## 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
327268	2002
332225	1176
377893	463
400212	1118
424268	1173
429616	1105
445782	1470
452305	1178
460019	1105

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 61 Subpart FF\_01 12-4-2003]

#### BENZENE WASTE OPERATIONS FROM PETROLEUM REFINERIES – “6BQ” COMPLIANCE OPTION

1. The operator shall comply with all applicable requirements of 40CFR61 Subpart FF including those requirements of 40CFR61 Subpart A.
2. The operator shall comply with treatment standards specified in §61.342(e) of 40CFR61 Subpart FF for 6 Mg/yr (6.6 tons/yr) benzene quantity (6 BQ) limit as follows:
  - a. §61.342(e)(1): The operator shall manage and treat all waste streams, with a flow-weighted annual average water content of less than 10 percent, in accordance with the requirements specified in §61.342(c)(1).
  - b. §61.342(e)(2): The operator shall manage and treat all waste streams (including remediation and process turnaround waste), with a flow-weighted annual average water content of 10 percent or greater, in such a manner that the total quantity of benzene in the treated and untreated aqueous waste streams is less than 6.0 Mg/yr. The benzene in each waste stream shall be quantified in accordance with §61.355(k)(6).
3. For each stream that is treated to comply with §61.342(e)(1) or §61.342(e)(2), the operator shall comply with the treatment process standard specified in Section 61.348.
4. For waste management units, which are used to handle or treat waste streams that are treated as specified in §61.348 and/or recycled to a process, the operator shall comply with the following standards:
  - a. Tanks standards. *{61.343}*
  - b. Surface impoundments standards. *{61.344}*
  - c. Containers standards. *{61.345}*
  - d. Individual drain system standards. *{61.346}*
  - e. Oil-water separator standards. *{61.347}*
5. For each closed vent system and control device used to comply with standards in accordance with §61.343 through §61.348, the operator shall comply with the requirements of §61.349.
6. The operator shall comply with monitoring and associated recording requirements in §61.354.
7. The operator shall comply with applicable test methods and procedures in §61.355 for determining the total annual benzene quantity from facility waste.

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**SECTION J: AIR TOXICS  
[40CFR 61 Subpart FF\_01 12-4-2003]**

8. The operator shall comply with reporting requirements in §61.357 and recordkeeping requirements in §61.356.
9. The operator shall comply with 40CFR63 Subpart CC requirements, which references to 40CFR61 Subpart FF for equipment subject to 40CFR60 Subpart QQQ or 40CFR63 Subpart CC. *{40CFR63 Subpart CC, Section 63.640(o)(1)}*

# FACILITY PERMIT TO OPERATE

## CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #1 5-25-2001]

#### HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 1 EMISSION POINT (GROUP 1 MISCELLANEOUS PROCESS VENT - EXISTING/NEW 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 the following control, monitoring, recordkeeping and reporting requirements:
  - a. Control Requirements: The operator shall reduce the organic hazardous air pollutants by 98% or to 20 parts per million by volume as specified in 40CFR63 Subpart CC, Section 63.643.
  - b. Monitoring Requirements:
    - The operator shall monitor the temperature in accordance with 40CFR63 Subpart CC, Section 63.644(a)(1) when an incinerator is used.
    - The operator shall monitor the presence of a pilot flame in accordance with 40CFR63 Subpart CC, Section 63.644(a)(2) when a flare is used.
  - c. Exemption from Monitoring Requirements: The operator is exempt from temperature monitoring requirements when a heater/boiler is used with the vent stream introduced into the flame zone of the heater/boiler as per 40CFR63 Subpart CC, Section 63.644(a)(3).
  - d. Recordkeeping and Reporting Requirements: The operator shall comply with applicable reporting and recordkeeping requirements of 40CFR63 Subpart CC, Section 63.654.

## 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> a. Internal Floating Roof storage tanks shall be equipped with proper seals. {63.119(b)(1) to (b)(4)} b. External Floating Roof storage tank shall be equipped with proper seals. {63.119(c)(1), (c)(3) & (c)(4)} c. External Floating Roof converted to an Internal Floating Roof shall be equipped with proper seals. {63.119(d)(1)} 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)}

## 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 CC, #6 5-25-2001]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 1  
 EMISSION POINT (GROUP 1 GASOLINE LOADING RACK - 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 control and monitoring requirements of 40CFR63 Subpart CC, which references to 40CFR63 Subpart R as follows:

40CFR63 Subpart CC	40CFR63 Subpart R
63.650(a)	<ol style="list-style-type: none"> <li>1. <u>Control Requirements</u>: The operator shall comply with the following control requirements specified in Section 63.422(a) through (c):               <ol style="list-style-type: none"> <li>a. Emission shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded.</li> <li>b. Loading of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline trucks using the procedures referenced in 60.502.</li> </ol> </li> <li>2. <u>Test Methods and Procedures</u>: The operator shall comply with applicable test methods and procedures for the following tests:               <ol style="list-style-type: none"> <li>a. Performance tests. {63.425(a)-(c)}</li> <li>b. Annual certification test. {63.425(e)}</li> <li>c. Leak detection test. {63.425(f)}</li> <li>d. Nitrogen pressure decay test. {63.425(g)}</li> <li>e. Continuous performance pressure decay test. {63.425(h)}</li> </ol> </li> <li>3. <u>Monitoring Requirements</u>: The operator shall comply with applicable continuous monitoring requirements for vapor control system in Sections 63.427(a)-(b).</li> <li>4. <u>Recordkeeping and Reporting Requirements</u>: The operator shall comply with the following requirements:               <ol style="list-style-type: none"> <li>a. Recordkeeping. {63.428(b)&amp;(c)}</li> <li>b. Semiannual reporting. {63.428(g)(1)}</li> <li>c. Excess emissions reporting {63.428(h)(1)-(3)}</li> </ol> </li> </ol>

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

### **SECTION J: AIR TOXICS [40CFR 63 Subpart R, #1 (Major Sources) 12-19-2003]**

#### GASOLINE DISTRIBUTION FACILITIES (BULK GASOLINE TERMINALS AND PIPELINE BREAKOUT STATIONS), MAJOR SOURCES

1. Emissions to the atmosphere from the vapor collection and processing systems due to the loading of gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded.
2. The operator shall comply with all applicable requirements of this 40CFR 63 Subpart R and of Subpart A - General Provisions by the date(s) specified in these subparts. The Subpart R requirements include the equipment standards of Sections 63.422, 63.423 and 63.424, the test methods and procedures of Section 63.425, the continuous monitoring of Section 63.427 and the reporting and recordkeeping of Section 63.428.
3. The operator shall submit all reports, notifications, plans, submittals and other communications required by this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (see addresses in Sections E and K of this permit.)
4. The operator shall submit to AQMD plan applications (alternative plans, compliance plans, etc.) and applications for permits to construct and operate new equipment or equipment modifications, which are required by this subpart, as a Title V permit revision for the approval by the Executive Officer.

# FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

## SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #1 4-11-2002]

63SubpartUUU\_01

April 11, 2002

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: CATALYTIC REFORMING 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.
  - The operator shall comply with the applicable requirements of Subpart UUU by April 11, 2005, except as specified in Section 63.1563(c).
2. The operator shall comply with the applicable notifications, reports, 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 applicable initial and continuous compliance demonstration requirements:

Source Type	HAP Type	Initial Compliance	Continuous Compliance
CRU	Organic HAP	§ 63.1566(b)	§ 63.1566(c)
	Inorganic HAP	§ 63.1567(b)	§ 63.1567(c)
Bypass Lines	HAP	§ 63.1569(b)	§ 63.1569(c)

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #1 4-11-2002]

7. The operator shall comply with the following applicable standards for CRU Process Vents and Bypass Lines:

**Emission and Operating Limits for Applicable CRU Process Vents**

HAP Type	CRU Category	Option No.	Emission Limitation	Operating Limit
Organic HAP* (§63.1566)	All	1	Use a flare that complies with § 63.11(b) and visible emissions must not exceed a total of 5 minutes during any 2-hour operating period.	Flare pilot light must be present at all times and the flare must be operating at all times that emissions may be vented to it.
		2	Reduce TOC by 98% by weight or to 20 ppmvd, whichever is less stringent, using boilers, process heaters, or other devices.	Establish combustion zone temperature in the performance test.
Inorganic HAP (§63.1567)	Existing semi-regenerative CRUs	na.	Reduce HCl by 92% by weight or to 30 ppmvd using a control device.	<u>Wet scrubber:</u> Establish in the performance test (PT): 1) pH level of the water (or scrubbing liquid) exiting the scrubber. 2) Liquid-to-gas ratio.  <u>Internal scrubbing system</u> (i.e., no add-on control device): Establish in the PT: HCl concentration in the catalyst regenerator exhaust gas.
	Existing cyclic/continuous CRU	na.	Reduce HCl by 97% by weight or to 10 ppmvd using a control device.	

*\*Exempt for depressuring and purging operation with reactor vent pressure ≤ 5 psig per § 63.1566(a)(4)*

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #1 4-11-2002]

#### Work Practice Standards for Bypass Lines

Option No.	Work Practice Standard
1	Install and operate a device (including a flow indicator, level recorder, or electronic valve position monitor) to continuously detect, at least every hour, whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
2	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
3	Seal the bypass line by installing a solid blind between piping flanges.
4	Vent the bypass line to a control device that meets the appropriate requirements in this subpart.

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

# FACILITY PERMIT TO OPERATE

## CONOCOPHILLIPS COMPANY

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

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: CATALYTIC CRACKING 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 FCCUs:

**Emission and Operating Limits for Existing FCCUs (§63.1564 & §63.1565)**

HAP Type	Emission Limitation *	Operating Limit *
Metal	1. PM = 1.0 kg per 1,000 kg (1.0 lb/1,000 lb) of coke burn-off; 2. Opacity = 30%, except for one 6-minute average opacity reading in any 1-hour period.	na.
Organic	CO = 500 ppmvd	na.

*\*Exempt for maintenance period per §63.1575(j)*

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #2 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.

*\*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
FCCU	Metal HAP	Compliance with all applicable requirements of § 63.1564(b) including installation of a continuous opacity monitoring system and certification of compliance with the emission limits.	Compliance with all applicable requirements of § 63.1564(c) including demonstration of continuous compliance with the applicable Opacity and PM emission limits.
	Organic HAP	Compliance with all applicable requirements of § 63.1565(b) including installation of a continuous CO monitoring system and certification of compliance with the emission limit.	Compliance with all applicable requirements of § 63.1565(c) including demonstration of continuous compliance with the applicable CO 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 J: AIR TOXICS [40CFR 63 Subpart UUU, #2 4-11-2002]

63SubpartUUU\_02

April 11, 2002

### HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: CATALYTIC CRACKING 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 requirements of Subpart UUU by no later than April 11, 2005 except as specified in Section 63.1563(c).
3. The operator shall comply with the applicable notifications, reports, and recordkeeping requirements of Sections 63.1574, 63.1575, and 63.1576, respectively.
4. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).
5. 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).
6. 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.
7. The operator shall comply with the following applicable initial and continuous compliance demonstration requirements:

Source Type	HAP Type	Initial Compliance	Continuous Compliance
FCCU	Metal HAP	§ 63.1564(b)	§ 63.1564(c)
	Organic HAP	§ 63.1565(b)	§ 63.1565(c)
Bypass Lines	HAP	§ 63.1569(b)	§ 63.1569(c)

8. The operator shall comply with the following applicable standards for FCCUs and Bypass Lines:

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #2 4-11-2002]

#### Metal HAP Emission and Operating Limits for Existing FCCUs (§63.1564) (1)

Option No.	Emission Limitation (2)	Operating Limit (2)
1	1. PM = 1.0 kg per 1,000 kg (1.0 lb/1,000 lb) of coke burn-off; 2. Opacity = 30%, except for one 6-minute average opacity reading in any 1-hour period.	na.
2	PM = 1.0 kg/ 1,000 kg (1.0 lb/1,000 lbs) of coke burn-off	<u>Electrostatic Precipitator</u> : Establish in the performance test (PT): 1. Opacity limit 2. Gas flow rate to the control device. 3. Voltage and secondary current (or total power input).
3	Ni= 13,000 mg/hr(0.029 lb/hr).	<u>Electrostatic Precipitator</u> : Establish in the PT: 1. Ni operating value. 2. Gas flow rate to the control device. 3. Equilibrium catalyst Ni concentration. 4. Voltage and secondary current (or total power input).
4	Ni = 1.0 mg/kg(0.001 lb/1,000 lbs) of coke burn-off.	<u>Electrostatic Precipitator</u> : Establish in the PT: 1. Ni operating value. 2. Equilibrium catalyst Ni concentration. 3. Voltage and secondary current (or total power input).

(1) Options for FCCUs that are not subject to the NSPS for PM in 40 CFR 60.102.

(2) Exempt for maintenance period per §63.1575(j)

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #2 4-11-2002]

#### Organic HAP Emission and Operating Limits for FCCUs (§63.1565)

Option No.	Emission Limitation*	Operating Limit*
na.	CO = 500 ppmvd	na.

\* Exempt for maintenance period per §63.1575(j)

#### Work Practice Standards for Bypass Lines\*

Option No.	Work Practice Standard
1	Install and operate a device (including a flow indicator, level recorder, or electronic valve position monitor) to continuously detect, at least every hour, whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
2	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.
3	Seal the bypass line by installing a solid blind between piping flanges.
4	Vent the bypass line to a control device that meets the appropriate requirements in this subpart.

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

# FACILITY PERMIT TO OPERATE

## CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #3 4-11-2002]

63SubpartUUU\_03

April 11, 2002

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 requirements of Subpart UUU by no later than April 11, 2005 except as specified in Section 63.1563(c).
3. The operator shall comply with the applicable notifications, reports, and recordkeeping requirements of Sections 63.1574, 63.1575, and 63.1576, respectively.
4. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).
5. 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).
6. 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.
7. The operator shall comply with the following applicable initial and continuous compliance demonstration requirements:

Source Type	HAP Type	Initial Compliance	Continuous Compliance
SRU	HAP	§ 63.1568(b)	§ 63.1568(c)
Bypass Lines	HAP	§ 63.1569(b)	§ 63.1569(c)

8. The operator shall comply with the following applicable standards for SRUs and Bypass Lines:

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #3 4-11-2002]

#### Emission and Operating Limits for SRUs (§ 63.1568) (1)

Option No.	Control Type	Emission Limitation (0% excess air)	Operating Limit
1 (elect NSPS)	Oxidation or reduction control system followed by incineration	SO <sub>2</sub> = 250 ppmvd	na.
1 (elect NSPS)	Reduction control system without incineration.	TRS = 300 ppmvd calculated as SO <sub>2</sub>	na.
2 (TRS Limit)	Oxidation or reduction control system followed by incineration	TRS = 300 ppmvd expressed as an equivalent SO <sub>2</sub> concentration	Establish in the LEPT: 1. Combustion zone temperature. 2. Oxygen concentration in the vent stream (% dry basis).

(1) Applicable to all new and existing SRUs that are not subject to the NSPS for sulfur oxides in 40 CFR 60.104(a)(2).

#### Work Practice Standards for Bypass Lines\*

Option No.	Work Practice Standard
1	Install and operate a device (including a flow indicator, level recorder, or electronic valve position monitor) to continuously detect, at least every hour, whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
2	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.
3	Seal the bypass line by installing a solid blind between piping flanges.
4	Vent the bypass line to a control device that meets the appropriate requirements in this subpart.

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

## **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 this 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)]

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### SECTION K: TITLE V Administration

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.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 109	5-2-2003	Federally enforceable
RULE 1105.1	11-7-2003	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 1118	2-13-1998	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1123	12-7-1990	Federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1151	12-11-1998	Federally enforceable
RULE 1168	1-7-2005	Non federally enforceable
RULE 1168	10-3-2003	Federally enforceable
RULE 1171	11-7-2003	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	12-21-2001	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)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	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 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
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 2004	5-11-2001	Federally enforceable
RULE 2005	4-20-2001	Federally enforceable
RULE 2005	4-9-1999	Federally enforceable
RULE 2005	5-6-2005	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 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 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

## 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 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 461	1-9-2004	Federally enforceable
RULE 461	3-7-2008	Federally enforceable
RULE 461	6-3-2005	Federally enforceable
RULE 462	5-14-1999	Federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 468	10-8-1976	Federally enforceable
RULE 469	2-13-1981	Non federally enforceable
RULE 469	5-7-1976	Federally enforceable
RULE 475	10-8-1976	Federally enforceable
RULE 475	8-7-1978	Non federally enforceable
RULE 476	10-8-1976	Federally enforceable
40CFR 52.21 - PSD	6-19-1978	Federally enforceable
40CFR 60 Subpart A	5-16-2007	Federally enforceable
40CFR 60 Subpart Cd	12-19-1995	Federally enforceable
40CFR 60 Subpart GG	2-24-2006	Federally enforceable
40CFR 60 Subpart GGG	6-7-1985	Federally enforceable
40CFR 60 Subpart J	6-24-2008	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 61 Subpart FF_01	12-4-2003	Federally enforceable
40CFR 63 Subpart CC	5-25-2001	Federally enforceable
40CFR 63 Subpart CC, #1	5-25-2001	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 CC, #6	5-25-2001	Federally enforceable
40CFR 63 Subpart DDDDD	12-6-2006	Federally enforceable
40CFR 63 Subpart R, #1 (Major Sources)	12-19-2003	Federally enforceable
40CFR 63 Subpart UUU	4-20-2006	Federally enforceable
40CFR 63 Subpart UUU, #1	4-11-2002	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>
40CFR 63 Subpart UUU, #2	2-9-2005	Federally enforceable
40CFR 63 Subpart UUU, #2	4-11-2002	Federally enforceable
40CFR 63 Subpart UUU, #3	4-11-2002	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable
40CFR 79	7-1-1999	Federally enforceable
40CFR 80	7-1-1999	Federally enforceable
40CFR 82 Subpart B	7-14-1992	Federally enforceable
CA PRC CEQA	11-23-1970	Non federally enforceable
CONSENT DECREE CIVIL NO. H-05-0258	1-27-2005	Federally enforceable
CCR Title 13	9-24-1999	Non federally enforceable

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

### **APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219**

1. SPACE HEATERS, NATURAL GAS
2. INTERNAL COMBUSTION ENGINES, GASOLINE FUELED
3. INTERNAL COMBUSTION ENGINES, DIESEL FUELED

## 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:

<u>Coating</u>	<b>LIMITS</b>			
	<b>Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds</b>			
	<u>Air Dried</u>	<u>(lb/gal)</u>	<u>Baked</u>	<u>(lb/gal)</u>
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 1140 2-1-1980]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).
  
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 8-2-1985]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-11-1998]

Except as otherwise provided in Rule 1151

(1) VOC Content of Coatings

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) Group I Vehicles and Equipment

The operator who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

**TABLE 1**

**VOC LIMITS**  
 Grams Per Liter of Coating,  
Less Water and Exempt Compounds

<u>COATING</u>	<u>On and After December 12, 1998</u>	
	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

\*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobil equipment will be 3.5 lb/gal (less water and exempt compounds).

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-11-1998]

(B) Group II Vehicles

The operator who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

**TABLE 2**

**VOC Limits**  
 Grams Per Liter of Coating,  
 Less Water and Exempt Compounds

COATING	On and After December 12, 1998		On and After July 1, 1999		On and After October 1, 1999	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day <sup>1</sup>	540	4.5	420 <sup>1</sup>	3.5	420	3.5
< 2 gal/day <sup>2</sup>	540	4.5	540 <sup>2</sup>	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

<sup>1</sup> On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

<sup>2</sup> Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

(2) Exempt Compounds

The operator shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

**FACILITY PERMIT TO OPERATE  
CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1151 12-11-1998]**

The operator shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

#### VOC Limit\*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit*
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 1-7-2005]**

Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit*	1-1-05	7-1-05	1-1-07
PVC Welding	510			
CPVC Welding	490			
ABS Welding	400		325	
Plastic Cement Welding	350	250		
Adhesive Primer for Plastic	650		550	
Computer Diskette Manufacturing	350			
Contact Adhesive	80			
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	540			250

\*\* 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 1168 1-7-2005]

For adhesives, adhesive bonding primers, or any other primer not regulated by the above two tables and applied to the following substrates, the following limits shall apply:

Substrate Specific Applications	Current VOC Limit*
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit*
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

Sealant Primers	Current VOC Limit*
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

\* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

## FACILITY PERMIT TO OPERATE CONOCOPHILLIPS COMPANY

### APPENDIX B: RULE EMISSION LIMITS [RULE 1168 10-3-2003]

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

**VOC Limit\*, Less Water and Less Exempt Compounds in Grams per Liter**

Architectural Applications	Current VOC Limit
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

\* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 10-3-2003]**

.Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit	6-7-02	1-1-03	1-1-05
PVC Welding	510			285
CPVC Welding	490			270
ABS Welding	400			
Plastic Cement Welding	350			250
Adhesive Primer for Plastic	650			250
Computer Diskette Manufacturing	350			
Contact Adhesive	250		80	
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	250	540		250

\*\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

Substrate Specific Applications	Current VOC Limit
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 10-3-2003]**

<b>Substrate Specific Applications</b>	<b>Current VOC Limit</b>
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

<b>Sealants</b>	<b>Current VOC Limit</b>
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

<b>Sealant Primers</b>	<b>Current VOC Limit</b>
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

## 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 5-6-2005]

(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*	Effective 7/1/2005*	Effective 7/1/2006
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	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)	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	900 (7.5)	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals			

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 5-6-2005]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	Effective 7/1/2005*	Effective 7/1/2006
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)	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	750 (6.3)	100 (0.83)	
(B) Packaging	25 (0.21)		
(iv) Lithographic or Letter Press Printing			
(A) Roller Wash – Step 1	600 (5.0)	500 (4.2)	100 (0.83)

**FACILITY PERMIT TO OPERATE  
 CONOCOPHILLIPS COMPANY**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 5-6-2005]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	Effective 7/1/2005*	Effective 7/1/2006
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)	500 (4.2)	100 (0.83)
(C) Removable Press Components	25 (0.21)		
(v) Screen Printing	750 (6.3)	500 (4.2)	100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)	500 (4.2)	100 (0.83)
(vii) Specialty Flexographic Printing	600 (5.0)	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