

FACILITY PERMIT TO OPERATE

**PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
1520 E SEPULVEDA BLVD
CARSON, CA 90745**

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1520 E SEPULVEDA BLVD
 CARSON, CA 90745

MAILING ADDRESS: 1660 W ANAHEIM ST
 WILMINGTON, CA 90744

RESPONSIBLE OFFICIAL: DARIN L FIELDS

TITLE: MANAGER, LOS ANGELES REFINERY

TELEPHONE NUMBER: (310) 952-6001

CONTACT PERSON: MARSHALL WALLER

TITLE: SUPERINTENDENT OF ENV. SERVICES

TELEPHONE NUMBER: (310) 952-6120

TITLE V PERMIT ISSUED: April 08, 2015

TITLE V PERMIT EXPIRATION DATE: April 07, 2020

TITLE V	RECLAIM
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YES	NOx: YES SOx: YES CYCLE: 1 ZONE: COASTAL
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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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 Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 04/08/2015 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2012 6/2013	Coastal	0	0	0
1/2013 12/2013	Coastal	295902	28367	0
7/2013 6/2014	Coastal	0	140000	0
1/2014 12/2014	Coastal	295902	761420	0
1/2015 12/2015	Coastal	295902	273420	0
1/2016 12/2016	Coastal	295902	279420	0
1/2017 12/2017	Coastal	295902	279420	0
1/2018 12/2018	Coastal	295902	279420	0
1/2019 12/2019	Coastal	295902	279420	0
1/2020 12/2020	Coastal	295902	279420	0
1/2021 12/2021	Coastal	295902	279420	0
1/2022 12/2022	Coastal	295902	279420	0
1/2023 12/2023	Coastal	295902	279420	0
1/2024 12/2024	Coastal	295902	279420	0
1/2025 12/2025	Coastal	295902	279420	0
1/2026 12/2026	Coastal	295902	279420	0
1/2027 12/2027	Coastal	295902	279420	0

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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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 Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹	Non-Tradable ²
			Holding as of 04/08/2015 (pounds)	Non-Usable RTCs (pounds)
1/2028 12/2028	Coastal	295902	279420	0
1/2029 12/2029	Coastal	295902	279420	0
1/2030 12/2030	Coastal	295902	279420	0

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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx 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 Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC ¹ Holding as of 04/08/2015 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
7/2012 6/2013	Coastal	0	362	
1/2013 12/2013	Coastal	132526	57226	
7/2013 6/2014	Coastal	0	284000	
1/2014 12/2014	Coastal	132526	277065	
1/2015 12/2015	Coastal	132526	277065	
1/2016 12/2016	Coastal	132526	277065	
1/2017 12/2017	Coastal	132526	238373	
1/2018 12/2018	Coastal	132526	238373	
1/2019 12/2019	Coastal	132526	211297	
1/2020 12/2020	Coastal	132526	211297	
1/2021 12/2021	Coastal	132526	211297	
1/2022 12/2022	Coastal	132526	211297	
1/2023 12/2023	Coastal	132526	211297	
1/2024 12/2024	Coastal	132526	211297	
1/2025 12/2025	Coastal	132526	211297	
1/2026 12/2026	Coastal	132526	211297	
1/2027 12/2027	Coastal	132526	211297	

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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SO_x RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SO_x 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 Begin End (month/year)	Zone	SO _x RTC Initially Allocated	SO _x RTC ¹ Holding as of 04/08/2015 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
1/2028 12/2028	Coastal	132526	211297	
1/2029 12/2029	Coastal	132526	211297	
1/2030 12/2030	Coastal	132526	211297	

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.

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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

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 in 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	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Coastal	1292790	0

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

**FACILITY PERMIT TO OPERATE
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SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE DISTILLATION					P13.2
System 1: CRUDE DISTILLATION UNIT					S13.5, S15.1, S15.3, S15.4, S15.11, S31.4
TANK, FLASH, DU-1, SPENT SODA, HEIGHT: 53 FT 6 IN; DIAMETER: 3 FT A/N: 535217	D1				
COLUMN, PRIMARY, DU-3, CRUDE OIL, HEIGHT: 112 FT ; DIAMETER: 12 FT A/N: 535217	D2				
COLUMN, FIRST SIDE CUT STRIPPER, DU-4, HEIGHT: 47 FT ; DIAMETER: 5 FT A/N: 535217	D3				
COLUMN, SECONDARY, DU-5, CRUDE OIL, HEIGHT: 174 FT 6 IN; DIAMETER: 16 FT A/N: 535217	D4				
COLUMN, 2ND & 3RD SIDE CUT STRIPPERS, DU-6, HEIGHT: 40 FT 6 IN; DIAMETER: 5 FT A/N: 535217	D5				
ACCUMULATOR, V-2142, PRIMARY COLUMN OVERHEAD, HEIGHT: 23 FT 10 IN; DIAMETER: 5 FT 6 IN A/N: 535217	D6				
VESSEL, TREATER, 1ST STAGE SODA, V-2147, PRIMARY COLUMN OVERHEAD, HEIGHT: 29 FT ; DIAMETER: 6 FT A/N: 535217	D8				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 1: CRUDE DISTILLATION					P13.2
ACCUMULATOR, V-3043, SECONDARY COLUMN OVERHEAD, HEIGHT: 30 FT ; DIAMETER: 9 FT 6 IN A/N: 535217	D9				
VESSEL, SWEETNER, V-2197, PRIMARY COLUMN TOPS, HEIGHT: 19 FT ; DIAMETER: 7 FT 6 IN A/N: 535217	D11				
VESSEL, SEPARATOR, SECONDARY COLUMN THIRD STAGE, V-3047, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 535217	D16				
VESSEL, SEPARATOR, SECONDARY COLUMN SECOND STAGE, V-3046B, HEIGHT: 7 FT ; DIAMETER: 4 FT A/N: 535217	D953				
VESSEL, SEPARATOR, SECONDARY COLUMN FIRST STAGE, V-3045B, HEIGHT: 7 FT 9 IN; DIAMETER: 4 FT 6 IN A/N: 535217	D954				
VESSEL, SEPARATOR, SECONDARY COLUMN FIRST STAGE, V-3044B, HEIGHT: 7 FT 9 IN; DIAMETER: 4 FT 6 IN A/N: 535217	D955				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535217	D832			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
System 2: CRUDE DISTILLATION UNIT HEATERS					

* (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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE DISTILLATION					P13.2
HEATER, CRUDE OIL, DU-255, REFINERY/NATURAL GAS, WITH OPTIONAL STEAM INJECTION, WITH LOW NOX BURNER, 350 MMBTU/HR WITH A/N: 535219	D59		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 10.4 LBS/HR (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5B) [RULE 409, 8-7-1981]; PM: 5.44 LBS/HR (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; ROG: 1.81 LBS/HR (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]	A305.1, B61.1, C1.10, D12.4, D29.2, D90.6, D328.1, H23.6, H23.40
System 4: VACUUM FLASH UNIT					S13.5, S15.2, S15.3, S15.4, S15.11, S31.3
TANK, SURGE, V-2250, SR RESIDUE, WITH NATURAL GAS BLANKETING, HEIGHT: 27 FT 6 IN; DIAMETER: 16 FT 3 IN A/N: 535221	D64				
ACCUMULATOR, V-2251, FLASHER OVERHEAD, HEIGHT: 20 FT ; DIAMETER: 9 FT A/N: 535221	D65				H23.10

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| <p>* (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</p> | <p>(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</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.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE DISTILLATION					P13.2
KNOCK OUT POT, STEAM AIR DECOKING QUENCH, V-2253, HEIGHT: 7 FT 8 IN; DIAMETER: 4 FT A/N: 535221	D66				
COLUMN, FLASHER, FR-1, HEIGHT: 127 FT ; DIAMETER: 23 FT 6 IN A/N: 535221	D69				
SCRUBBER, DEA, FR-2, VENT GAS A/N: 535221	D70				
COMPRESSOR, FR-501, VENT GAS A/N: 535221	D77				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535221	D835			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
System 5: VACUUM FLASH UNIT HEATERS					
HEATER, NO. 33, VACUUM FLASHER, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 153.6 MMBTU/HR WITH A/N: 535222 BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-14, WITH LOW NOX BURNER, 32 TOTAL	D78		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, D28.16, D90.6, D232.1, H23.6, H23.40

* (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
Process 1: CRUDE DISTILLATION					P13.2
HEATER, NO. 34, VACUUM FLASHER, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 153.6 MMBTU/HR WITH A/N: 535224 BURNER, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-14, WITH LOW NOX BURNER, 32 TOTAL	D79		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, D28.16, D90.6, D232.1, H23.6, H23.40
System 7: BRINE FLASH STRIPPER (BENZENE STRIPPER)					S15.1, S15.3, S15.11, S31.2
VESSEL, DU-301, BRINE FLASH STRIPPER, HEIGHT: 24 FT ; DIAMETER: 6 FT A/N: 535227	D919			HAP: (10) [40CFR 63 Subpart CC, #4, 6-20-2013]	H23.12
VESSEL, V-3152, STRIPPER OVERHEAD ACCUMULATOR, LENGTH: 14 FT ; DIAMETER: 4 FT 6 IN A/N: 535227	D920				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535227	D834			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
System 8: CRUDE UNIT FEED DESALTER					S13.5, S15.1, S15.3, S15.4, S15.11
VESSEL, DESALTER, V-2171, CRUDE OIL, LENGTH: 49 FT ; DIAMETER: 12 FT A/N: 535728	D10				

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| <p>* (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</p> | <p>(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</p> |
|---|---|

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE DISTILLATION					P13.2
VESSEL, DESALTER, V-2342, CRUDE OIL, LENGTH: 49 FT ; DIAMETER: 12 FT A/N: 535728	D12				
VESSEL, DESALTER, V-3048, CRUDE OIL, LENGTH: 55 FT ; DIAMETER: 12 FT A/N: 535728	D17				
TANK, SURGE, V-2419, BRINE, HEIGHT: 10 FT 1 IN; DIAMETER: 6 FT 6 IN A/N: 535728	D55				
VESSEL, DESALTER, V-3148, CRUDE OIL, LENGTH: 73 FT ; DIAMETER: 12 FT A/N: 535728	D823				
VESSEL, DESALTER, V-3149, CRUDE OIL, LENGTH: 73 FT ; DIAMETER: 12 FT A/N: 535728	D824				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535728	D957			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
System 1: DELAYED COKING UNIT					S13.5, S15.4, S31.3
FRACTIONATOR, MAIN, CK-1, HEIGHT: 149 FT ; DIAMETER: 15 FT 6 IN A/N: 535228	D80				

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
COLUMN, STRIPPER, CK-2, EXTRA HEAVY GAS OIL, HEIGHT: 25 FT 6 IN; DIAMETER: 3 FT A/N: 535228	D81				
COLUMN, STRIPPER, CK-3, HEAVY GAS OIL, HEIGHT: 43 FT ; DIAMETER: 5 FT A/N: 535228	D82				
COLUMN, STRIPPER, CK-4, LIGHT GAS OIL, HEIGHT: 43 FT ; DIAMETER: 4 FT 6 IN A/N: 535228	D83				
ACCUMULATOR, V-2247, MAIN FRACTIONATOR OVERHEAD, HEIGHT: 22 FT ; DIAMETER: 12 FT A/N: 535228	D84				
ACCUMULATOR, V-2248, MAIN FRACTIONATOR OVERHEAD, HEIGHT: 20 FT ; DIAMETER: 9 FT A/N: 535228	D85				
DRUM, COKE, V-2236, HEIGHT: 75 FT ; DIAMETER: 26 FT A/N: 535228	D796			PM: (9) [RULE 405, 2-7-1986]	D323.2
DRUM, COKE, V-2237, HEIGHT: 75 FT ; DIAMETER: 26 FT A/N: 535228	D797			PM: (9) [RULE 405, 2-7-1986]	D323.2
DRUM, COKE, V-2238, HEIGHT: 75 FT ; DIAMETER: 26 FT A/N: 535228	D798			PM: (9) [RULE 405, 2-7-1986]	D323.2
DRUM, COKE, V-2239, HEIGHT: 75 FT ; DIAMETER: 26 FT A/N: 535228	D799			PM: (9) [RULE 405, 2-7-1986]	D323.2

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
ABSORBER, RECTIFIED, CK-5, HEIGHT: 159 FT 6 IN; DIAMETER: 7 FT A/N: 535228	D95				
COLUMN, SPONGE, CK-6, HEIGHT: 42 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 535228	D96				
COLUMN, DEBUTANIZER, CK-7, HEIGHT: 136 FT 6 IN; DIAMETER: 8 FT A/N: 535228	D97				
SETTLING TANK, V-2245, DEBUTANIZER OVERHEAD, LENGTH: 7 FT ; DIAMETER: 5 FT A/N: 535228	D99				
COMPRESSOR, CK-501, WET GAS A/N: 535228	D103				
KNOCK OUT POT, V-3122, HEIGHT: 8 FT 4 IN; DIAMETER: 3 FT A/N: 535228	D758				
KNOCK OUT POT, V-3172, WET GAS COMPRESSOR DISCHARGE, HEIGHT: 8 FT 6 IN; DIAMETER: 5 FT A/N: 535228	D943				
STORAGE TANK, FIXED ROOF, NO. 2230, AMMONIUM POLYSULFIDE, 20000 GALS; DIAMETER: 15 FT ; HEIGHT: 18 FT A/N: 535228	D86				E134.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535228	D838			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.36
System 2: DELAYED COKING UNIT HEATERS					

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
HEATER, NO. 31, DELAYED COKING, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, WITH STEAM INJECTION, WITH LOW NOX BURNER, 175 MMBTU/HR WITH A/N: 535229 BURNER, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 5.47 MMBTU/HR EACH, WITH LOW NOX BURNER, 32 TOTAL	D104		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, C1.13, D28.16, D82.1, D90.6, D232.1, H23.27, H23.40
HEATER, NO. 32, DELAYED COKING, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, WITH STEAM INJECTION, WITH LOW NOX BURNER, 175 MMBTU/HR WITH A/N: 535230 BURNER, C3/C4 MEROX OFF GAS, REFINERY/NATURAL GAS, JOHN ZINK, MODEL PSMR-15, 5.47 MMBTU/HR EACH, WITH LOW NOX BURNER, 32 TOTAL	D105		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, C1.13, D28.16, D82.1, D90.6, D232.1, H23.27, H23.40
System 3: COKER BLOWDOWN					S13.5, S15.3, S15.4, S15.11
VESSEL, QUENCH, QU-1, HEIGHT: 70 FT ; DIAMETER: 13 FT 6 IN A/N: 535232	D106				
SETTLING TANK, V-2259, HEIGHT: 19 FT ; DIAMETER: 14 FT 6 IN A/N: 535232	D107				

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| * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535232	D841			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1, H23.22
System 4: COKE HANDLING UNIT #1					S13.1
PIT, ONE COMPARTMENT, SLURRY, NOMINAL CAPACITY 200 TONS, COKE A/N: 535233	D952			PM10: (9) [RULE 405, 2-7-1986]	A63.2
MIXER, 5K-2339, COKE FINES, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 535233	D108			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, CH-452, COKE FINES A/N: 535233	D109			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-16, COARSE COKE, SHUTTLE-TYPE A/N: 535233	D110			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-17, COKE FINES, ENCLOSED IN A 9-FT STEEL TUBE A/N: 535233	D111			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, SHUTTLE, 9T-18, COKE FINES A/N: 535233	D112			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
STORAGE SILO, COKE, NOMINAL CAPACITY: 72,000 TONS, WIDTH: 154 FT ; HEIGHT: 175 FT ; LENGTH: 600 FT A/N: 535233	D113			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E136.1, E137.1
PIT, TWO COMPARTMENT, SLURRY, NOMINAL CAPACITY: 2,800 TONS, COKE A/N: 535233	D114			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
CONVEYOR, 9T-15, COARSE COKE, ENCLOSED IN A 9-FT STEEL TUBE A/N: 535233	D115			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
System 5: COKE HANDLING UNIT #2					S13.1
FEEDER, PLOW, PFA-1, COARSE COKE A/N: 535234	D116			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
FEEDER, PLOW, PFA-2, COKE FINES A/N: 535234	D117			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-19, RECLAIM COKE, ENCLOSED A/N: 535234	D118			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-20, COKE, ENCLOSED IN A 9-FT STEEL TUBE A/N: 535234	D119			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
CONVEYOR, 9T-21, COKE, ENCLOSED IN A 9-FT STEEL TUBE A/N: 535234	D120			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
HOPPER, SURGE, TK-1631, COKE A/N: 535234	D123			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1
BIN, WEIGH, WB-1, WITH WEIGH SCALES A/N: 535234	D124			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1, E125.1
BIN, WEIGH, WB-2, WITH WEIGH SCALES A/N: 535234	D125			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.1, E124.1, E125.1

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 2: COKING AND RESIDUAL CONDITIONING					P13.2
TRUCK WASHING STATION, TOP AND SIDES FIXED SPRAY TYPE A/N: 535234	D126			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.1, E125.1
Process 3: HYDROTREATING					P13.2
System 1: FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT DHT-3					S13.5, S15.3, S15.4, S15.11, S31.5
COLUMN, PRODUCT STRIPPER, DH-280, HEIGHT: 60 FT ; DIAMETER: 6 FT 6 IN A/N: 535236	D127				
ABSORBER, DEA, HP-275, HEIGHT: 80 FT ; DIAMETER: 5 FT 7 IN A/N: 535236	D128				
ABSORBER, DEA, HP-276, HEIGHT: 25 FT ; DIAMETER: 2 FT A/N: 535236	D129				
TANK, SURGE, V-1084, WASH WATER, HEIGHT: 12 FT ; DIAMETER: 5 FT 6 IN A/N: 535236	D130				
TANK, SURGE, V-2522, RECYCLE GAS, HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 535236	D131				
TANK, SURGE, V-2555, HEIGHT: 30 FT ; DIAMETER: 10 FT A/N: 535236	D136				
REACTOR, NO.1, V-2556, HEIGHT: 14 FT ; DIAMETER: 10 FT A/N: 535236	D137				

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| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
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 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(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</p> |
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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 3: HYDROTREATING					P13.2
REACTOR, NO. 2, V-2557, HEIGHT: 14 FT ; DIAMETER: 10 FT A/N: 535236	D138				
REACTOR, NO. 3, V-2558, HEIGHT: 24 FT ; DIAMETER: 10 FT A/N: 535236	D139				
REACTOR, NO. 4, V-2559, HEIGHT: 34 FT ; DIAMETER: 10 FT A/N: 535236	D140				
REACTOR, NO. 5, V-2560, HEIGHT: 44 FT ; DIAMETER: 10 FT A/N: 535236	D141				
VESSEL, SEPARATOR, HIGH PRESSURE AND HIGH TEMPERATURE, V-2561, HEIGHT: 30 FT ; DIAMETER: 9 FT A/N: 535236	D142				
VESSEL, SEPARATOR, LOW PRESSURE AND HIGH TEMPERATURE, V-2562, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 535236	D143				
VESSEL, SEPARATOR, HIGH PRESSURE AND LOW TEMPERATURE, V-2563, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 535236	D144				
VESSEL, SEPARATOR, LOW PRESSURE AND LOW TEMPERATURE, V-2564, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 535236	D145				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: HYDROTREATING					P13.2
VESSEL, FILTER, V-3032, HEIGHT: 18 FT ; DIAMETER: 7 FT 6 IN A/N: 535236	D964				
VESSEL, FILTER, V-3033, HEIGHT: 18 FT ; DIAMETER: 7 FT 6 IN A/N: 535236	D965				
ACCUMULATOR, V-2565, STRIPPER OVERHEAD, HEIGHT: 30 FT ; DIAMETER: 6 FT A/N: 535236	D146				
KNOCK OUT POT, DECOKING, V-2569, HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 535236	D148				
COMPRESSOR, HP-559, STRIPPER VENT GAS A/N: 535236	D169				
COMPRESSOR, HP-560, STRIPPER VENT GAS A/N: 535236	D170				
COMPRESSOR, HP-558, RECYCLE GAS A/N: 535236	D800				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535236	D842			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
System 2: FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT DHT-3 HEATER					

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 3: HYDROTREATING					P13.2
HEATER, DH-40 (DHT-3), FEED, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 70 MMBTU/HR WITH A/N: 535238 BURNER, 5 BURNERS, REFINERY/NATURAL GAS, COEN, MODEL SR6-030-FD-6, MODEL SR6-050-FD-6, WITH LOW NOX BURNER	D174		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, D90.6, D328.1, H23.6, H23.40
System 3: FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT 120					S13.5, S15.2, S15.3, S15.11, S31.1, S31.3
TANK, SURGE, 120-V-1, FEED, HEIGHT: 20 FT ; DIAMETER: 10 FT 6 IN A/N: 535240	D721				
REACTOR, UNIONFINER A, 120-V-2A, HEIGHT: 55 FT 6 IN; DIAMETER: 8 FT A/N: 535240	D722				
REACTOR, UNIONFINER B, 120-V-2B, HEIGHT: 49 FT 3 IN; DIAMETER: 8 FT A/N: 535240	D723				
REACTOR, UNIONFINER GUARD C, 120-V-11, HEIGHT: 65 FT ; DIAMETER: 8 FT A/N: 535240	D724				

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 3: HYDROTREATING					P13.2
VESSEL, SEPARATOR, HOT HIGH PRESSURE, 120-V-3, HEIGHT: 13 FT ; DIAMETER: 5 FT A/N: 535240	D725				
TANK, SURGE, 120-V-30, WASH WATER, HEIGHT: 12 FT ; DIAMETER: 8 FT A/N: 535240	D726				
TANK, HOLDING, 120-V-12, WASH WATER, HEIGHT: 9 FT ; DIAMETER: 4 FT 6 IN A/N: 535240	D727				
CARBON ADSORBER, 120-ME-3A/B, ACTIVATED CARBON, TWO IN PARALLEL (ONE SPARE), 55-GALLON CANISTER EACH A/N: 535240	C728	D816			D90.2, E128.1, E153.2, H23.11
FILTER, 120-ME-4, FEED A/N: 535240	D814				
VESSEL, SEPARATOR, COLD HIGH PRESSURE, 120-V-5, HEIGHT: 27 FT ; DIAMETER: 3 FT 6 IN A/N: 535240	D730				
TANK, DEGASSING, 120-V-17, SOUR WATER, HEIGHT: 19 FT ; DIAMETER: 5 FT 6 IN A/N: 535240	D731				
EJECTOR, UNIONFINER EVACUATION, 120-EJ-1 A/N: 535240	D732				

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 3: HYDROTREATING					P13.2
TANK, SURGE, 120-V-13, LOW PRESSURE FEED, HEIGHT: 14 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 535240	D733				
VESSEL, SEPARATOR, 120-V-4, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 535240	D734				
COLUMN, STABILIZER, 120-V-8, HEIGHT: 54 FT ; DIAMETER: 5 FT A/N: 535240	D735				
VESSEL, SEPARATOR, COLD LOW PRESSURE, 120-V-6, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 535240	D736				
COMPRESSOR, HYDROGEN RECYCLE, 120-C-1A A/N: 535240	D738				H23.22
COMPRESSOR, HYDROGEN RECYCLE, 120-C-1B A/N: 535240	D740				H23.22
KNOCK OUT POT, 120-V-14, DEA CONTACTOR FEED, HEIGHT: 8 FT 6 IN; DIAMETER: 2 FT A/N: 535240	D741				
VESSEL, CONTACTOR, DEA, 120-V-15, HEIGHT: 54 FT 6 IN; DIAMETER: 4 FT A/N: 535240	D742				
COMPRESSOR, 120-C-2A, MAKEUP HYDROGEN/OFFGAS A/N: 535240	D748				H23.22

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: HYDROTREATING					P13.2
COMPRESSOR, 120-C-2B, MAKEUP HYDROGEN/OFFGAS A/N: 535240	D749				H23.22
TANK, HOLDING, (SUMP), 120-V-23, GRAVITY DRAIN, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 535240	D816	C728		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.11
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535240	D844			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
System 4: FCC FEED (GAS OIL) HYDRODESULFURIZATION UNIT 120 HEATER					
HEATER, HYDROGEN CHARGE, 120-H-1, NATURAL GAS, KTI, WITH LOW NOX BURNER, 22 MMBTU/HR WITH A/N: 535241 BURNER, 8 BURNERS, NATURAL GAS, CALLIDUS, MODEL LE-CSG-W, WITH LOW NOX BURNER, 22 MMBTU/HR	D713		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 0.66 LBS/HR NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.30, C8.3, D28.3, H23.40
Process 4: HYDROGEN PRODUCTION					P13.2
System 1: HYDROGEN PLANT					S2.1, S13.4, S13.5, S15.2, S15.3, S15.11

- | | |
|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROGEN PRODUCTION					P13.2
ABSORBER, CARBON DIOXIDE, HP-270, HEIGHT: 179 FT 3 IN; DIAMETER: 5 FT 6 IN A/N: 568554	D175				
COLUMN, CARBON DIOXIDE STRIPPER, HP-271, HEIGHT: 108 FT 6 IN; DIAMETER: 10 FT A/N: 568554	D176			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]	H23.28
COLUMN, SELEXOL DEHYDRATOR, HP-272, BOTTOM SECTION: HEIGHT: 7 FT 6 IN; DIAMETER: 4 FT 6 IN; TOP SECTION: HEIGHT: 20 FT 5 IN; DIAMETER: 1 FT 8 IN A/N: 568554	D987	D988		CO: 2000 PPMV (5) [RULE 407, 4-2-1982]	E448.1, H23.28
KNOCK OUT POT, SELEXOL DEHYDRATOR, 500 BBL MAXIMUM CAPACITY A/N: 568554	D988	D987 C989			
CARBON ADSORBER, TWO UNITS IN SERIES, AT LEAST 200 LBS EACH A/N: 568554	C989	D988			D90.13, E153.4
COLUMN, DEA TREATMENT, HP-273, HEIGHT: 92 FT 6 IN; DIAMETER: 4 FT A/N: 568554	D177				
TANK, HOLDING, TK-1625, SELEXOL, 715 BBL; DIAMETER: 15 FT ; HEIGHT: 24 FT A/N: 568554	D178			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]	H23.28
SUMP, S-23, ATMOSPHERIC BLOWDOWN, ENCLOSED, WIDTH: 6 FT ; DEPTH: 8 FT ; LENGTH: 6 FT A/N: 568554	D179			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]	H23.28

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROGEN PRODUCTION					P13.2
SUMP, S-28, DEA, ENCLOSED, WIDTH: 6 FT ; DEPTH: 6 FT ; LENGTH: 6 FT A/N: 568554	D180			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.28
KNOCK OUT POT, V-2500, FEED GAS, HEIGHT: 6 FT ; DIAMETER: 3 FT 6 IN A/N: 568554	D181				
VESSEL, SULFUR CONVERTER, V-2503, HEIGHT: 10 FT 9 IN; DIAMETER: 7 FT 6 IN A/N: 568554	D801				
VESSEL, SEPARATOR, V-2501, FEED GAS OIL, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 568554	D182				
VESSEL, SEPARATOR, V-2502, FEED GAS OIL, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 568554	D183				
REACTOR, ZNO GUARD BED, V-2504, HEIGHT: 12 FT ; DIAMETER: 8 FT A/N: 568554	D184				
REACTOR, ZNO GUARD BED, V-2505, HEIGHT: 12 FT ; DIAMETER: 8 FT A/N: 568554	D185				
KNOCK OUT POT, LOW TEMPERATURE SEPARATOR, V-2511, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 568554	D186				

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|---|---|
| <p>* (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</p> | <p>(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</p> |
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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROGEN PRODUCTION					P13.2
KNOCK OUT POT, LOW TEMPERATURE SEPARATOR, V-2512, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 568554	D187				
KNOCK OUT POT, TWO STAGE EFFLUENT, V-2513, HEIGHT: 24 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 568554	D188				
KNOCK OUT POT, V-2519, PRODUCT HYDROGEN, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 568554	D190				
KNOCK OUT POT, V-2520, FEED GAS, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 568554	D191				
KNOCK OUT POT, V-2521, COKER FEED GAS A/N: 568554	D192				
KNOCK OUT POT, ATMOSPHERIC, V-2529, CONDENSATE, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 568554	D193				
TANK, LOW PRESSURE FLASH, V-3062, HEIGHT: 28 FT ; DIAMETER: 7 FT A/N: 568554	D194			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.28
SUMP, SELEXOL DRAIN, ENCLOSED, S-18, WIDTH: 6 FT ; DEPTH: 6 FT ; LENGTH: 6 FT A/N: 568554	D201			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.28

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROGEN PRODUCTION					P13.2
VESSEL, HIGH TEMPERATURE SHIFT CONVERTER, V-2508, HEIGHT: 12 FT 3 IN; DIAMETER: 10 FT A/N: 568554	D990				
VESSEL, LOW TEMPERATURE SHIFT CONVERTER, V-2509, HEIGHT: 12 FT 6 IN; DIAMETER: 10 FT 6 IN A/N: 568554	D202				
TANK, FLASH, V-2517, SELEXOL, LENGTH: 28 FT ; DIAMETER: 7 FT A/N: 568554	D802				
VESSEL, METHANATOR, V-2518, HEIGHT: 21 FT ; DIAMETER: 4 FT 6 IN A/N: 568554	D203				
COMPRESSOR, SINGLE STAGE, HP-555, FEED GAS A/N: 568554	D206				
COMPRESSOR, SINGLE STAGE, HP-556, FEED GAS, (STANDBY) A/N: 568554	D207				
VESSEL, DEARATOR, V-2515, HEIGHT: 4 FT 6 IN; DIAMETER: 6 FT A/N: 568554	D896			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]	H23.28
TANK, SURGE, DEAERATOR, V-2616, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 568554	D991				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 568554	D846				H23.1

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROGEN PRODUCTION					P13.2
System 2: HYDROGEN PLANT HEATER					
HEATER, STEAM REFORMING, HP-38, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, 340 MMBTU/HR WITH A/N: 535242 BURNER, 128 BURNERS, REFINERY/NATURAL GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CFSG-3W, WITH LOW NOX BURNER	D210		NOX: MAJOR SOURCE**, SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, C1.8, D90.6, D328.1, H23.6, H23.40
Process 5: GAS PRODUCTION					P13.2
System 1: DEBUTANIZER UNIT					S13.5
COLUMN, DEBUTANIZER, DU-2, HEIGHT: 81 FT ; DIAMETER: 6 FT 6 IN A/N: 535243	D803				
ACCUMULATOR, V-2139, DEBUTANIZER OVERHEAD, HEIGHT: 23 FT ; DIAMETER: 5 FT A/N: 535243	D211				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535243	D848			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1, H23.22
System 2: GAS PLANT					S13.5, S15.3, S15.11
DRUM, V-2297, FUEL GAS BLEND, HEIGHT: 18 FT 8 IN; DIAMETER: 10 FT A/N: 535244	D216				

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 5: GAS PRODUCTION					P13.2
KNOCK OUT POT, V-2128, GAS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 535244	D217				
VESSEL, VAPORIZER, V-2108, PROPANE, LENGTH: 74 FT 7 IN; DIAMETER: 10 FT 9 IN A/N: 535244	D219				
VESSEL, VAPORIZER, V-2445, PROPANE, LENGTH: 74 FT 7 IN; DIAMETER: 10 FT 9 IN A/N: 535244	D220				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535244	D849				H23.1
System 3: LPG DISTILLATION UNIT					S13.5, S15.3, S15.11
COLUMN, DEPROPANIZER, D301, (TOP SECTION: 4 FT 6 IN DIAMETER), HEIGHT: 95 FT ; DIAMETER: 6 FT A/N: 535245	D471				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535245	D472			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.22
ACCUMULATOR, F301, DEPROPANIZER REFLUX, LENGTH: 18 FT ; DIAMETER: 5 FT 6 IN A/N: 535245	D477				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: GAS PRODUCTION					P13.2
VESSEL, MATERIAL DROPOUT, F306, COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 1800 GALS; DIAMETER: 5 FT ; LENGTH: 10 FT A/N: 535246	D479	C484		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	
KNOCK OUT POT, F307, HEIGHT: 17 FT ; DIAMETER: 6 FT 6 IN A/N: 535245	D480				
CARBON ADSORBER, ME301A & B (TWO IN PARALLEL AND ONE OF WHICH AS SPARE), COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 225 LBS A/N: 535246	C484	D479			D90.11, E128.1, E153.1
System 4: COKER LPG MEROX UNIT					S13.5, S15.3, S15.5, S15.11
VESSEL, EXTRACTOR, D-101, COKER C3/C4, HEIGHT: 53 FT ; DIAMETER: 4 FT 6 IN A/N: 535246	D486				
COLUMN, OXIDIZER, D-102, HEIGHT: 26 FT ; DIAMETER: 4 FT A/N: 535246	D487				
VESSEL, SURGE, F-101, COKER C3/C4, HEIGHT: 15 FT ; DIAMETER: 6 FT 6 IN A/N: 535246	D489				
VESSEL, PREWASH, F-102, COKER C3/C4, HEIGHT: 20 FT ; DIAMETER: 5 FT 6 IN A/N: 535246	D490				

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: GAS PRODUCTION					P13.2
KNOCK OUT POT, F-103, COKER C3/C4 CAUSTIC, LENGTH: 18 FT ; DIAMETER: 4 FT 6 IN A/N: 535246	D491				
FILTER, COKER C3/C4 SAND, F-104, HEIGHT: 14 FT 6 IN; DIAMETER: 5 FT A/N: 535246	D492				
VESSEL, SEPARATOR, F-105, DISULFIDE, LENGTH: 23 FT ; DIAMETER: 7 FT A/N: 535246	D493			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	
VESSEL, F-106, NAPHTHA WASH, HEIGHT: 13 FT 8 IN; DIAMETER: 4 FT A/N: 535246	D494				
VESSEL, MATERIAL DROPOUT, F306, COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 1800 GALS; DIAMETER: 5 FT ; LENGTH: 10 FT A/N: 535246	D479	C484		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	
CARBON ADSORBER, ME301A & B (TWO IN PARALLEL AND ONE OF WHICH AS SPARE), COMMON TO LPG DISTILLATION AND COKER LPG MEROX UNITS, 225 LBS A/N: 535246	C484	D479			D90.11, E128.1, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535246	D851				H23.22
Process 6: GAS AND WATER TREATMENT					P13.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR 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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 6: GAS AND WATER TREATMENT					P13.2
System 1: SOUR WATER STRIPPING UNIT					S13.5, S15.3, S15.6, S15.11
COLUMN, STRIPPER, QU-2, SOUR WATER, HEIGHT: 46 FT ; DIAMETER: 4 FT A/N: 535247	D221			S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]	
COLUMN, STRIPPER, QU-261, SOUR WATER, HEIGHT: 101 FT ; DIAMETER: 5 FT 6 IN A/N: 535247	D222			S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
COLUMN, STRIPPER, QU-262, SOUR WATER, HEIGHT: 101 FT ; DIAMETER: 5 FT 6 IN A/N: 535247	D223			HAP: (10) [40CFR 61 Subpart FF, #1, 12-4-2003]; S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
ACCUMULATOR, V-2410, STRIPPER COLUMN OVERHEAD, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 535247	D224				
ACCUMULATOR, V-2411, STRIPPER COLUMN OVERHEAD, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 535247	D225				
ACCUMULATOR, V-2444, STRIPPER COLUMN OVERHEAD, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 535247	D227				
TANK, FLASH, NO. 2423, SOUR WATER/ORGANIC LIQUID, 63 BBL; DIAMETER: 3 FT ; HEIGHT: 50 FT A/N: 535247	D364				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: GAS AND WATER TREATMENT					P13.2
TANK, FLASH, NO. 2424, SOUR WATER/ORGANIC LIQUID, 63 BBL; DIAMETER: 3 FT ; HEIGHT: 50 FT A/N: 535247	D421				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535247	D852				H23.1, H23.22
System 2: PILOT AND PURGE GAS TREATING UNIT					S13.5, S15.3, S15.11
KNOCK OUT POT, V-3061, PILOT AND PURGE GAS, HEIGHT: 5 FT ; DIAMETER: 1 FT A/N: 535248	D229				
SCRUBBER, V-3072, PILOT AND PURGE GAS, HEIGHT: 22 FT ; DIAMETER: 1 FT 6 IN A/N: 535248	D230				
DRYER, V-3073, PILOT AND PURGE GAS, HEIGHT: 9 FT ; DIAMETER: 3 FT 6 IN A/N: 535248	D231				
DRYER, V-3074, PILOT AND PURGE GAS, HEIGHT: 9 FT ; DIAMETER: 3 FT 6 IN A/N: 535248	D232				
VESSEL, SEPARATOR, SF-205, PILOT AND PURGE GAS, HEIGHT: 7 FT 3 IN; DIAMETER: 10.75 IN A/N: 535248	D233				
FILTER, DUST, SF-206, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT .75 IN A/N: 535248	D234				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: GAS AND WATER TREATMENT					P13.2
System 3: SOUR GAS TREATING UNIT					S13.5, S15.3, S15.11, S18.1
KNOCK OUT POT, V-2231, SOUR GAS CONDENSATE, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 535249	D235				
TANK, WASH, V-2233, C3-C4 FEED WATER, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 535249	D236				
ABSORBER, LIQUID CONTACTOR, V-2234, DEA/C3-C4, (PACKED TOWER), HEIGHT: 60 FT ; DIAMETER: 4 FT 6 IN A/N: 535249	D237				
VESSEL, COALESCER, V-2235, TREATED C3-C4, HEIGHT: 6 FT ; DIAMETER: 3 FT 6 IN A/N: 535249	D238				
TOWER, FLASH, V-2257, RICH DEA A/N: 535249	D239			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	
ABSORBER, DEA, CK-8 A/N: 535249	D240				
SUMP, DEA BLOWDOWN, FULLY COVERED, WIDTH: 6 FT ; DEPTH: 10 FT ; LENGTH: 10 FT A/N: 535249	D241			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535249	D854			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1, H23.22
System 4: AMINE REGENERATION UNIT NO. 1					S15.3, S15.6, S15.11

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| <p>* (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</p> | <p>(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</p> |
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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: GAS AND WATER TREATMENT					P13.2
TANK, SURGE, TK-1676, LEAN DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, 3020 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 535250	D244			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	
TANK, HOLDING, TK-1770, PRECOAT FILTER BACKWASH WATER, COMMON TO DEA REGENERATION UNITS 1 & 2, 81 BBL; DIAMETER: 9 FT 6 IN; HEIGHT: 6 FT 6 IN A/N: 535250	D245				
TANK, HOLDING, TK-2504, PRECOAT MIX, COMMON TO DEA REGENERATION UNITS 1 & 2, 500 GALS; DIAMETER: 5 FT ; HEIGHT: 4 FT A/N: 535250	D246				
SUMP, UNDERGROUND, S-56, DEA, WIDTH: 4 FT 10 IN; DEPTH: 5 FT 2 IN; LENGTH: 4 FT 3 IN A/N: 535250	D248				
VESSEL, DEA FLASH AND SKIMMER, V-2570, LENGTH: 24 FT ; DIAMETER: 13 FT A/N: 535250	D249				
ACCUMULATOR, V-2571, DEA STRIPPER OVERHEAD, HEIGHT: 11 FT ; DIAMETER: 8 FT A/N: 535250	D250				
KNOCK OUT POT, V-2581, SOUR WATER, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 535250	D251				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: GAS AND WATER TREATMENT					P13.2
COLUMN, STRIPPER, DA-282, DEA, HEIGHT: 90 FT ; DIAMETER: 8 FT A/N: 535250	D804				
FILTER, PRECOAT, V-3018, COMMON TO DEA REGENERATION UNITS 1 & 2 A/N: 535250	D254				
FILTER, PREFILTER, V-3134, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, LENGTH: 3 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 535250	D780				
FILTER, CARBON, V-3135, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, WITH A BASKET STRAINER (6 IN DIA. X 18 IN LENGTH), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 535250	D781				
System 5: AMINE REGENERATION UNIT NO. 2					S15.3, S15.6, S15.11
TANK, SURGE, TK-1676, LEAN DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, 3020 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 535250	D244			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	
TANK, HOLDING, TK-1770, PRECOAT FILTER BACKWASH WATER, COMMON TO DEA REGENERATION UNITS 1 & 2, 81 BBL; DIAMETER: 9 FT 6 IN; HEIGHT: 6 FT 6 IN A/N: 535250	D245				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: GAS AND WATER TREATMENT					P13.2
TANK, HOLDING, TK-2504, PRECOAT MIX, COMMON TO DEA REGENERATION UNITS 1 & 2, 500 GALS; DIAMETER: 5 FT ; HEIGHT: 4 FT A/N: 535250	D246				
COLUMN, DEA STRIPPER, DA-283, HEIGHT: 90 FT ; DIAMETER: 8 FT A/N: 535251	D276				
SUMP, UNDERGROUND, S-62, DEA, WIDTH: 4 FT 10 IN; DEPTH: 5 FT 2 IN; LENGTH: 4 FT 3 IN A/N: 535251	D278				
VESSEL, DEA FLASH AND SKIMMER, V-2572, LENGTH: 24 FT ; DIAMETER: 13 FT A/N: 535251	D279				
ACCUMULATOR, V-2573, DEA STRIPPER OVERHEAD, HEIGHT: 11 FT ; DIAMETER: 8 FT A/N: 535251	D280				
KNOCK OUT POT, V-2591, SOUR WATER, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 535251	D281				
FILTER, PRECOAT, V-3018, COMMON TO DEA REGENERATION UNITS 1 & 2 A/N: 535250	D254				

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: GAS AND WATER TREATMENT					P13.2
FILTER, PREFILTER, V-3134, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, LENGTH: 3 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 535250	D780				
FILTER, CARBON, V-3135, DEA, COMMON TO DEA REGENERATION UNITS 1 & 2, WITH A BASKET STRAINER (6 IN DIA. X 18 IN LENGTH), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 535250	D781				
Process 7: SULFUR PRODUCTION					P13.1, P13.2
System 1: SULFUR RECOVERY UNIT NO. 1					S15.3, S15.7, S15.11, S18.2
REACTOR, THERMAL, CL-44, REFINERY GAS, H2S GAS WITH A/N: 535252	D242				H23.12
BLOWER, AIR, CL-809, 1250 HP	D972	C252 C282			
BURNER, AUXILIARY NO. 1, CL-45, H2S FIRED A/N: 535252	D805				
BURNER, AUXILIARY NO. 2, CL-46, H2S FIRED A/N: 535252	D806				
BURNER, AUXILIARY NO. 3, CL-47, H2S FIRED A/N: 535252	D807				

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: SULFUR PRODUCTION					P13.1, P13.2
PIT, ACCUMULATOR, UNDERGROUND, S-49, SULFUR, NITROGEN BLANKETED, WIDTH: 20 FT ; DEPTH: 13 FT ; LENGTH: 35 FT A/N: 535252	D247	C252		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]	
SCRUBBER, V-2587, SULFUR PIT VAPOR, HEIGHT: 9 FT ; DIAMETER: 4 FT A/N: 535252	C252	D247 D972 D974			
CONDENSER, CL-538, NO. 1 A/N: 535252	D888				
CONDENSER, CL-539, NO. 2 A/N: 535252	D889				
CONDENSER, CL-540, NO. 3 A/N: 535252	D890				
CONDENSER, CL-541, NO. 4 A/N: 535252	D891			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; HAP: (10) [40CFR 63 Subpart UUU, #4, 4-20-2006]; S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]; SOX: 250 PPMV (8) [40CFR 60 Subpart J, 9-12-2012]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535252	D855			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1, H23.22
System 2: SULFUR RECOVERY UNIT NO. 2					S15.3, S15.7, S15.11, S18.2
REACTOR, THERMAL, CU-49, REFINERY GAS, H2S GAS WITH A/N: 535253	D275				H23.12
BLOWER, AIR, CU-820, 1250 HP	D974	C252 C282			

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| <p>* (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</p> | <p>(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</p> |
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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: SULFUR PRODUCTION					P13.1, P13.2
BURNER, CU-50, AUXILIARY NO. 1, H2S FIRED A/N: 535253	D808				
PIT, ACCUMULATOR, UNDERGROUND, S-60, SULFUR, NITROGEN BLANKETED, WIDTH: 20 FT ; DEPTH: 13 FT ; LENGTH: 35 FT A/N: 535253	D277	C282		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]	
BURNER, CU-51, AUXILIARY NO. 2, H2S FIRED A/N: 535253	D809				
BURNER, CU-52, AUXILIARY NO. 3, H2S FIRED A/N: 535253	D810				
SCRUBBER, V-2610, SULFUR PIT VAPOR, HEIGHT: 9 FT ; DIAMETER: 4 FT A/N: 535253	C282	D277 D972 D974			
CONDENSER, CU 555, NO. 1 A/N: 535253	D892				
CONDENSER, CU 556, NO. 2 A/N: 535253	D893				
CONDENSER, CU 557, NO. 3 A/N: 535253	D894				
CONDENSER, CU 558, NO. 4 A/N: 535253	D895			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; HAP: (10) [40CFR 63 Subpart UUU, #4, 4-20-2006]; S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]; SOX: 250 PPMV (8) [40CFR 60 Subpart J, 9-12-2012]	

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: SULFUR PRODUCTION					P13.1, P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535253	D856			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1, H23.22
System 3: SCOT TAIL GAS INCINERATOR					S18.4
INCINERATOR, CATALYTIC, CU-53, PROCESS GAS, REFINERY/NATURAL GAS, 15 MMBTU/HR WITH A/N: 535254 BURNER, PROCESS GAS, REFINERY/NATURAL GAS, J. T. THORPE, MODEL WCS-GF-SP-1242-36.0-0.75-40	C292	S293	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SO2: 250 PPMV (8) [40CFR 60 Subpart J, 9-12-2012]	C8.5, D29.4, D82.2, D328.1, H23.6
STACK, HEIGHT: 125 FT ; DIAMETER: 6 FT A/N: 535254	S293	C292			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535254	D857				H23.1, H23.22
INCINERATOR, THERMAL, CL-48, PROCESS GAS, REFINERY/NATURAL GAS, STANDBY, 27.5 MMBTU/HR WITH A/N: 535255 BURNER, PROCESS GAS, REFINERY/NATURAL GAS, J. T. THORPE, MODEL WCS-GF-SP-1242-36.0-0.75-40	C294	S295	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SO2: 250 PPMV (8) [40CFR 60 Subpart J, 9-12-2012]	C8.4, C8.8, D82.2, D328.1, H23.6

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: SULFUR PRODUCTION					P13.1, P13.2
STACK A/N: 535255	S295	C294			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535255	D858				H23.1, H23.22
System 4: TAIL GAS (SCOT) UNIT NO. 2, REDUCTION CONTROL					S13.5, S15.3, S15.8, S15.11, S18.3
COLUMN, QUENCH, C-3758, HEIGHT: 34 FT ; DIAMETER: 10 FT A/N: 535256	D499				
ABSORBER, C-3759, HEIGHT: 55 FT 6 IN; DIAMETER: 10 FT A/N: 535256	D500				
COLUMN, STRIPPER, C-3760, HEIGHT: 86 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 535256	D501				
ACCUMULATOR, STRIPPER COLUMN, V-3120, HEIGHT: 12 FT ; DIAMETER: 3 FT A/N: 535256	D502				
REACTOR, V-3121, HEIGHT: 21 FT 6 IN; DIAMETER: 11 FT A/N: 535256	D503				
SUMP, SE-4316, SOLVENT DRIPS (MDEA), WIDTH: 5 FT ; DEPTH: 8 FT 9 IN; LENGTH: 3 FT 3 IN A/N: 535256	D811				
TANK, HOLDING, TK-1677, MDEA, 571 BBL; DIAMETER: 15 FT ; HEIGHT: 18 FT A/N: 535257	D264				

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: SULFUR PRODUCTION					P13.1, P13.2
System 5: TAIL GAS (SCOT) UNIT NO. 1, REDUCTION CONTROL					S13.5, S15.3, S15.8, S15.11, S18.3
COLUMN, QUENCH, SU-285, HEIGHT: 34 FT ; DIAMETER: 10 FT A/N: 535257	D261				
ABSORBER, SU-286, HEIGHT: 55 FT 6 IN; DIAMETER: 10 FT A/N: 535257	D262				
COLUMN, STRIPPER, SU-287, HEIGHT: 86 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 535257	D263				
TANK, HOLDING, TK-1677, MDEA, 571 BBL; DIAMETER: 15 FT ; HEIGHT: 18 FT A/N: 535257	D264				
SUMP, UNDERGROUND, S-55, MDEA, WIDTH: 5 FT 2 IN; DEPTH: 6 FT 2 IN; LENGTH: 3 FT 11 IN A/N: 535257	D265				
REACTOR, SCOT, V-2598, HEIGHT: 21 FT 6 IN; DIAMETER: 10 FT 1 IN A/N: 535257	D267				
ACCUMULATOR, V-2599, MDEA STRIPPER OVERHEAD, HEIGHT: 12 FT ; DIAMETER: 3 FT A/N: 535257	D268				
Process 8: LOADING AND UNLOADING					P13.2
System 1: CRUDE OIL TANK CAR UNLOADING SYSTEM					S1.1, S15.3, S15.11

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8: LOADING AND UNLOADING					P13.2
UNLOADING ARM, TANK CAR, CRUDE OIL, 6 TOTAL; DIAMETER: 8 IN A/N: 535258	D296				H23.38
TANK, SURGE, NO. 2502, CRUDE OIL, 1500 BBL; DIAMETER: 20 FT ; HEIGHT: 28 FT A/N: 535258	D362			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.15, K67.3
KNOCK OUT POT, HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 535258	D307				
BLOWER, KB-9008, SURGE TANK VENT GAS, 2-HP A/N: 535258	D828				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535258	D861				H23.1
System 3: LPG TANK CAR LOADING AND UNLOADING					S15.3, S15.11
LOADING AND UNLOADING ARM, TANK CAR, SWING-TYPE, LPG, WITH A DOUBLE 3-IN FLEXIBLE HOSE AND A 1-IN FLEXIBLE HOSE TYPE VAPOR VENT, 4 TOTAL A/N: 535259	D324				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535259	D862				H23.1
System 4: SULFUR TANK CAR AND TANK TRUCK LOADING					
LOADING ARM, TANK TRUCK, TOP, SULFUR, 5 TOTAL A/N: 535260	D330	C335		S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]	
System 5: VAPOR RECOVERY SYSTEM					

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8: LOADING AND UNLOADING					P13.2
SCRUBBER, CHEMICAL, V-2604, HEIGHT: 9 FT ; DIAMETER: 4 FT WITH A/N: 535261 BLOWER, RA-745, 550 CFM	C335	D330 D359 D360			C8.1, C8.7
Process 9: WASTEWATER TREATMENT					P13.2
System 1: STORM/PROCESS UNIT WASTEWATER TREATMENT					S13.6
OIL WATER SEPARATOR, NO. 1, OIL/WATER, WITH A FIXED COVER A/N:	D336	C719		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 8 FT ; DIAMETER: 10 IN A/N:	C719	D336 C519			C8.6
OIL WATER SEPARATOR, NO. 2, OIL/WATER, WITH A FIXED COVER A/N:	D337	C720		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 8 FT ; DIAMETER: 10 IN A/N:	C720	D337 C520			C8.6

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SUMP, PUMP STRUCTURE, NO. 3, STORM/PROCESS WATER, CONCRETE WITH FIXED COVER AND FLAME ARRESTOR A/N:	D338	C521 D773		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SUMP, OIL AND WATER, FIXED COVER, WIDTH: 5 FT ; DEPTH: 6 FT 7 IN; LENGTH: 10 FT A/N:	D339	C521			H23.13
SUMP, PROCESS WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT ; DEPTH: 8 FT 6 IN; LENGTH: 15 FT A/N:	D340				
SUMP, STORM WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT ; DEPTH: 8 FT 6 IN; LENGTH: 20 FT A/N:	D341				
TANK, AIR FLOTATION, TK-1601, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT ; DIAMETER: 26 FT A/N:	D342	C517		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	
TANK, AIR FLOTATION, TK-1602, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT ; DIAMETER: 26 FT A/N:	D344	C517		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.39
RESERVOIR, STORM WATER, WITH A 21 FT DIKE, 193000 BBL A/N:	D345				

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SCREEN, CLASSIFYING, STEEL BAR TYPE, DR-4201, HEIGHT: 4 FT, WIDTH: 3 FT, MANUALLY CLEANED A/N:	D346				
CARBON ADSORBER, (THREE IN PARALLEL), ACTIVATED CARBON, 150 LBS A/N:	C517	D342 D344			D90.1, E128.1, E153.2
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N:	C519	C719			D90.3, E128.1, E153.2
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N:	C520	C720			D90.3, E128.1, E153.2
TANK, AIR FLOTATION, TK-1611, STORM WATER, FIXED ROOF, HEIGHT: 16 FT ; DIAMETER: 26 FT A/N:	D813				
SUMP, API INLET BOX, STORM/PROCESS WASTEWATER, CONCRETE, FIXED COVER, WITH VAPOR PATH COMMON TO INLET CHANNEL&PUMP STRUCTURE A/N:	D773	D338 C521		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SCREEN, CLASSIFYING, WIRE MESH TYPE, 1-1/2 INCH OPENINGS, HEIGHT: 4 FT; WIDTH: 3 FT, MANUALLY CLEANED A/N:	D774				

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SCREEN, CLASSIFYING, WIRE MESH TYPE, 1-1/2 INCH OPENINGS, HEIGHT: 2 FT 8 IN; WIDTH: 3 FT 4-1/2 IN, MANUALLY CLEANED A/N:	D775				
TANK, FIXED ROOF, TK-2529, API SLUDGE, 143 BBL; DIAMETER: 10 FT ; HEIGHT: 11 FT A/N:	D829	C830		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN SERIES, 150 LBS A/N:	C830	D829			D90.3, E128.1, E153.2
VESSEL, RETENTION, PRESSURIZED, V-2346, 69 BBL, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N:	D969				
VESSEL, RETENTION, PRESSURIZED, V-2347, 69 BBL, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N:	D970				
VESSEL, RETENTION, PRESSURIZED, V-2381, 69 BBL, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N:	D971				
DRAIN SYSTEM COMPONENT A/N:	D887			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D945				H23.1
System 2: AIR POLLUTION CONTROL SYSTEM					

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
CARBON ADSORBER, TWO TOTAL (ONE STANDBY), 1000 LBS EACH, MULTIPLE SOURCES, ACTIVATED CARBON, ALSO CONTROLS VAPORS FROM API INLET BOX, INLET AND OUTLET CHANNELS A/N:	C521	D338 D339 D773			D90.3, D94.1, E128.1, E153.2
System 3: OIL AND WATER SEPARATION #1					S13.6
OIL WATER SEPARATOR, FIXED ROOF, CPI TYPE, SB-5, SERVING THE COKER AND FLASHER UNITS A/N: 535264	D347	C524		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	
CARBON ADSORBER, EQUIVALENT (OR GREATER) VOLUME TO A 55 GALLON CANISTER A/N: 535264	C523	C524			D90.10, E128.1, E153.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 6 FT ; DIAMETER: 4 IN A/N: 535264	C524	D347 C523			C8.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535264	D944				H23.1
DRAIN SYSTEM COMPONENT A/N: 535264	D949			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13
System 4: OIL AND WATER SEPARATION #2					S13.6

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
OIL WATER SEPARATOR, FIXED ROOF, CPI-TYPE, SB-6, SERVING CRUDE UNIT A/N: 535265	D348	C526		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	
CARBON ADSORBER, EQUIVALENT (OR GREATER) VOLUME TO A 55 GALLON CANISTER A/N: 535265	C525	C526			D90.10, E128.1, E153.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 6 FT ; DIAMETER: 4 IN A/N: 535265	C526	D348 C525			C8.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535265	D868				H23.1
DRAIN SYSTEM COMPONENT A/N: 535265	D950			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13
System 5: OIL AND WATER SEPARATION #3					S13.6
OIL WATER SEPARATOR, FIXED ROOF, CPI-TYPE, SB-41, SERVING SULFUR PLANT, HYDRODESULFURIZATION UNIT DHT-3 & HYDROGEN PLANT A/N: 535266	D349	C528		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
CARBON ADSORBER, EQUIVALENT (OR GREATER) VOLUME TO A 55 GALLON CANISTER A/N: 535266	C527	C528			D90.10, E128.1, E153.2

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 6 FT ; DIAMETER: 4 IN A/N: 535266	C528	D349 C527			C8.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535266	D869				H23.1
DRAIN SYSTEM COMPONENT A/N: 535266	D951			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13
Process 10: STORAGE TANKS					P13.2
System 1: FIXED ROOF TANKS					
STORAGE TANK, FIXED ROOF, NO. 17, FUEL OIL, 79113 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 6 IN A/N: 535267	D353			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.3, H23.2
STORAGE TANK, FIXED ROOF, HEATED, NO. 1678, SULFUR, INSULATED, 16450 BBL; DIAMETER: 70 FT ; HEIGHT: 24 FT A/N: 535268	D359	C335		S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]	
STORAGE TANK, FIXED ROOF, HEATED, NO. 1679, SULFUR, INSULATED, 16450 BBL; DIAMETER: 70 FT ; HEIGHT: 24 FT A/N: 535269	D360	C335		S COMPOUND: 500 PPMV (5) [RULE 407, 4-2-1982]	
STORAGE TANK, FIXED ROOF, TK 2507, DIESEL STABILITY ADDITIVE DISTILLATE, 11700 GALS; DIAMETER: 10 FT ; HEIGHT: 19 FT 11 IN A/N: 535270	D363			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	K67.3

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|---|---|
| <p>* (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</p> | <p>(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</p> |
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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535270	D870			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1
System 2: EXTERNAL FLOATING ROOF TANKS					S13.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1, WITH A STEAM HEATING COIL AND JET MIXER, 78000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 10 IN WITH A/N: 535271 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D365			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2, WITH A STEAM HEATING COIL AND A MIXER, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 535272 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D366			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 3, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 43 FT WITH A/N: 535273 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D367			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 5, WITH A STEAM HEATING COIL AND JET MIXER, 78000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 10 IN WITH A/N: 535274 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D369			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 6, HEAVY GAS OIL, WITH STEAM HEATING COILS AND A MIXER, 78778 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 4 IN WITH A/N: 535275 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D370			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 9, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN WITH A/N: 535276 FLOATING ROOF, DOUBLE DECK, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D373			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 10, 85000 BBL; DIAMETER: 117 FT ; HEIGHT: 45 FT WITH A/N: 535277 FLOATING ROOF, DOUBLE DECK, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D374			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 12, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 535278 FLOATING ROOF, DOUBLE DECK, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D376			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 13, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 535279 FLOATING ROOF, DOUBLE DECK, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D377			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 21, 82700 BBL; DIAMETER: 117 FT ; HEIGHT: 43 FT WITH A/N: 535280 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D379			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 42, SOUR/OILY/FLASH WATER, WITH A MIXER, 41000 BBL; DIAMETER: 95 FT 7 IN; HEIGHT: 32 FT 10.63 IN WITH A/N: 535281 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D380				H23.12, H23.17, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 44, 42707 BBL; DIAMETER: 95 FT 7 IN; HEIGHT: 33 FT 5 IN WITH A/N: 535282 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D381			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	B22.6, C1.22, H23.17, K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 45, WELDED, 37000 BBL; DIAMETER: 78 FT 10 IN; HEIGHT: 42 FT 8 IN WITH A/N: 535283 FLOATING ROOF, DOUBLE DECK PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D382			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13, H23.23, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 47, 35000 BBL; DIAMETER: 90 FT ; HEIGHT: 32 FT WITH A/N: 535284 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D384			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 280, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 535285 FLOATING ROOF, DOUBLE DECK, RIVETED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D389			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	B22.3, C1.7, H23.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R-512, WELDED, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT ; HEIGHT: 50 FT WITH A/N: 535288 FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D396			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.1, H23.4

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R513, WITH TWO TANK MIXERS, 320000 BBL; DIAMETER: 218 FT 6 IN; HEIGHT: 50 FT WITH A/N: 535289 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D397			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.1, H23.4
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1628, WITH A STEAM HEATING COIL, 15000 BBL; DIAMETER: 48 FT ; HEIGHT: 51 FT WITH A/N: 535290 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D398			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.18, C6.3, H23.24

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1629, WELDED, WITH A STEAM HEATING COIL, 15000 BBL; DIAMETER: 48 FT ; HEIGHT: 51 FT WITH A/N: 535291 FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D399			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.18, C6.3, H23.24
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1646, 170000 BBL; DIAMETER: 160 FT ; HEIGHT: 51 FT WITH A/N: 547913 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D400			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.16, E193.7, H23.13, H23.16, K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1647, WASTEWATER, WITH A MIXER, 200000 BBL; DIAMETER: 180 FT ; HEIGHT: 51 FT WITH A/N: 535293 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, WIPER TYPE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D401			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.12, E193.5, H23.13, H23.17
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 1648, 170000 BBL; DIAMETER: 160 FT ; HEIGHT: 51 FT WITH A/N: 535294 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE, RIM-MOUNTED	D402			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	B22.5, C1.15, H23.16

- | | |
|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2155, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 535295 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D404			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2270, SOUR/OILY/FLASH WATER, WITH A MIXER, 38000 BBL; DIAMETER: 75 FT ; HEIGHT: 48 FT WITH A/N: 535296 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D407				H23.12, H23.17, K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2272, 15500 BBL; DIAMETER: 48 FT ; HEIGHT: 48 FT WITH A/N: 535297 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D408			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.12, H23.13, H23.17, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2274, WELDED, WITH TWO MIXERS, 255000 BBL; DIAMETER: 195 FT ; HEIGHT: 48 FT WITH A/N: 535298 FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D409			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2275, WITH 2 JET MIXERS, 170000 BBL; DIAMETER: 160 FT ; HEIGHT: 48 FT WITH A/N: 535299 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D410			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.3, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2282, WITH INTERNAL HEATING COILS, 8300 BBL; DIAMETER: 45 FT ; HEIGHT: 30 FT 8 IN WITH A/N: 535300 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY B OR BETTER, WIPER TYPE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D411			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.12, H23.13, H23.17, K67.3

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2283, WITH HEATING COILS, 6720 BBL; DIAMETER: 40 FT ; HEIGHT: 30 FT WITH A/N: 535301 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D412			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.12, H23.13, H23.17, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2284, 1400 BBL; DIAMETER: 25 FT ; HEIGHT: 15 FT WITH A/N: 535332 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), WIPER TYPE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D413			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.17, K67.3

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2285, 8373 BBL; DIAMETER: 45 FT ; HEIGHT: 30 FT WITH A/N: 535336 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D414			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13, H23.23, K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2286, WELDED, 9900 BBL; DIAMETER: 45 FT ; HEIGHT: 35 FT WITH A/N: 535338 FLOATING ROOF, DOUBLE DECK PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D415			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13, H23.23, K67.3

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. TK-2287, 35000 BBL; DIAMETER: 81 FT ; HEIGHT: 40 FT WITH A/N: 535340 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D416			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	K67.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2288, 11300 BBL; DIAMETER: 45 FT ; HEIGHT: 40 FT WITH A/N: 535341 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D417			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	B22.2, C1.2, H23.3

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2289, 11300 BBL; DIAMETER: 45 FT ; HEIGHT: 40 FT WITH A/N: 535347 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D418			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	B22.2, C1.2, H23.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2341, HEIGHT: 48 FT ; DIAMETER: 160 FT WITH A/N: 535351 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D419			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	K67.3

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 2500, WITH A JET MIXER, 55000 BBL; DIAMETER: 90 FT ; HEIGHT: 48 FT WITH A/N: 535356 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D420			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.14, H23.16
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535356	D871			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1
System 3: PRESSURIZED TANKS					S13.2
STORAGE TANK, PRESSURIZED, NO. 2170, 7000 BBL; DIAMETER: 42 FT 3 IN A/N: 535358	D422	C465 C469 D938 D939			
STORAGE TANK, PRESSURIZED, NO. 2127, 7000 BBL; DIAMETER: 42 FT A/N: 535364	D423	C465 C469 D938 D939			
STORAGE TANK, PRESSURIZED, NO. 2222, 8500 BBL; DIAMETER: 45 FT 4 IN A/N: 535370	D424	C465 C469 D938 D939			

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, PRESSURIZED, NO. 2223, 8500 BBL; DIAMETER: 45 FT 4 IN A/N: 535412	D425	C465 C469 D938 D939			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535412	D872			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1
System 5: INTERNAL FLOATING ROOF TANKS					S13.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 7, 80000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 42 FT WITH A/N: 535470 FLOATING ROOF, PAN, RIVETED SHELL PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), WIPER TYPE	D372			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.20, C6.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 274, RIVETED, 80373 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT WITH A/N: 535473 FLOATING ROOF, PAN PRIMARY SEAL, CATEGORY C OR BETTER PER RULE 219(C)(4), LIQUID MOUNTED RESILIENT FOAM-FILLED	D388			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C6.1, K67.3

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535473	D947				H23.1
System 6: PRESSURIZED STORAGE TANK, INORGANIC					
STORAGE TANK, PRESSURIZED, NO. V-3147, ANHYDROUS AMMONIA, SET AT 265 PSIG, SERVES SCOT UNITS 1&2, WITH PRV VENT TO ATMOSPHERE, 500 GALS; DIAMETER: 3 FT 5 IN; LENGTH: 5 FT 9 IN A/N: 535476	D915				E71.1
STORAGE TANK, PRESSURIZED, NO. V-3154, AQUEOUS AMMONIA, 19%, WITH TWO PRV/RUPTURE DISKS VENT TO ATMOSPHERE, WITH NITROGEN BLANKET, SUBMERGED FILLING, 11420 GALS; DIAMETER: 9 FT ; LENGTH: 21 FT A/N: 535480	D917				E71.2, E144.1
System 7: DOMED EXTERNAL FLOATING ROOF TANKS					

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 2625, GAS OIL, 165252 BBL; DIAMETER: 165 FT ; HEIGHT: 48 FT WITH A/N: 535485 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D958			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	B22.7, C1.28, H23.33, 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
 (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, WELDED SHELL, DOMED EXTERNAL FLOATING ROOF, NO. 15, MIXED NAPHTHA, 79000 BBL; DIAMETER: 117 FT ; HEIGHT: 40 FT WITH A/N: 535483 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D378			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-20-2013]	C1.26, H23.5, K67.5

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

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FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R-510, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT ; HEIGHT: 50 FT WITH A/N: FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D394			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.17, H23.4
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. R-511, WELDED, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT ; HEIGHT: 50 FT WITH A/N: FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, WIPER TYPE	D395			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.17, H23.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535483	D948				H23.1
Process 11: STEAM GENERATION					

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11: STEAM GENERATION					
BOILER, NO. 11, REFINERY/NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 352 MMBTU/HR WITH A/N: 535488 BURNER, 4 BURNERS, REFINERY/NATURAL GAS, COEN COMPANY, MODEL DELTA POWER II-27, 88 MMBTU/HR EACH, WITH LOW NOX BURNER	D430		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, C1.21, D12.5, D90.6, D328.1, E73.1, H23.6, H23.40
Process 12: MISCELLANEOUS					
System 1: SLUDGE HANDLING					
TANK, GRAVITY SETTLING, TK-2518, SLUDGE, WITH INTERNAL RAKES, HEIGHT: 12 FT ; DIAMETER: 35 FT A/N:	D431	C435		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (4) [RULE 1303(a)(1) -BACT, 5-10-1996]	
TANK, DAF, TK-2520, WITH FLOAT COLLECTOR, 180 BBL; DIAMETER: 9 FT ; HEIGHT: 16 FT A/N:	D432	C434		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	H23.39
TANK, FIXED ROOF, TK-2519, SPARE, 230 BBL; DIAMETER: 9 FT ; HEIGHT: 20 FT A/N:	D433	C435		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN PARALLEL, 150 LBS A/N:	C434	D432			D90.2, E128.1, E153.2, H116.1

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: MISCELLANEOUS					
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN PARALLEL, 150 LBS A/N:	C435	D431 D433			D90.2, E128.1, E153.2, H116.1
System 4: MAINTENANCE DROP-OUT					
VESSEL, MAINTENANCE DROP-OUT, V-2420, LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 535490	D448			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	
KNOCK OUT POT, V-2421, LENGTH: 7 FT 8 IN; DIAMETER: 4 FT A/N: 535490	D449	C465 C469 D938 D939			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535490	D875				H23.1
System 7: FUEL STORAGE AND DISPENSING					
STORAGE TANK, ABOVEGROUND, GASOLINE, CONVAULT TYPE, 2000 GALS; WIDTH: 8 FT ; HEIGHT: 5 FT 6 IN; LENGTH: 11 FT 3 IN A/N: 535492	D759				C1.19, J109.1
FUEL DISPENSING NOZZLE, GASOLINE, WITH A TANK TOP MOUNTED DISPENSER AND A PHASE II VAPOR RECOVERY SYSTEM A/N: 535492	D760				D330.1, J110.1
STORAGE TANK, ABOVEGROUND, DIESEL FUEL, CONVAULT TYPE, 1000 GALS; WIDTH: 5 FT 8 IN; HEIGHT: 4 FT 4 IN; LENGTH: 11 FT A/N: 535492	D761				C1.6

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|--|--|
| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: MISCELLANEOUS					
FUEL DISPENSING NOZZLE, DIESEL, WITH A TANK TOP MOUNTED DISPENSER A/N: 535492	D762				
System 8: EMERGENCY IC ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CATERPILLAR, MODEL NO. 3208, 235 BHP A/N: 535493	D785		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	B61.2, B61.3, C1.11, C1.27, D12.2, H23.26, H23.31, K67.2

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: MISCELLANEOUS					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QSL9-G2, FOUR CYCLES, SIX CYLINDER, WITH TURBOCHARGER AND AFTERCOOLER, 325 BHP WITH A/N: 535494	D930		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 4.8 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	B61.3, C1.24, C1.25, E71.4, E116.1, E193.6, H23.31, H23.35, K67.6, K67.7
GENERATOR, ELECTRICAL POWER, CUMMINS, MODEL 200DSHAC, 200 KW	D931				
FILTER, DIESEL PARTICULATE FILTER, CLEANAIR SYSTEMS, INC., MODEL PERMIT CA180W4CN40, WITH A HIBACK DATA LOGGING AND ALARM SYSTEM	C932				

* (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
Process 12: MISCELLANEOUS					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL CFP9E-F40, SIX CYLINDER, WITH TURBOCHARGER AND AFTERCOOLER, 327 BHP A/N: 535495	D966		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]; NOX: 132 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007; RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	B61.3, C1.24, C1.25, C1.29, H23.35, K67.10

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: MISCELLANEOUS					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL CFP9E-F40, SIX CYLINDER, WITH TURBOCHARGER AND AFTERCOOLER, 327 BHP A/N: 535496	D968		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]; NOX: 132 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007; RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	B61.3, C1.24, C1.25, C1.29, H23.35, K67.10
System 10: SOIL VAPOR EXTRACTION AND CONTROL SYSTEM					

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: MISCELLANEOUS					
OXIDIZER, THERMAL, ENVENT CORPORATION, MODEL ESVE 1000, SERIAL NO. BF 572, NATURAL GAS, FOR NON-HALOGENATED HC IN-SITU SOIL REMEDIATION ONLY, W/ FULLY MODUL. TEMP CNTRL, 6 MMBTU/HR WITH A/N: 535497 COMPARTMENT, FOR OPTIONAL PLATINUM CATALYST ON SS, 1.6 CUBIC FEET OF ACTIVE VOLUME, TO CONVERT THE OXIDIZER FROM THERMAL TO CATALYTIC OPERATION	C925	D928	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 32 PPMV (4) [RULE 2005, 6-3-2011]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.3, A63.4, B163.1, C1.23, C8.9, C8.10, D29.3, D90.9, D332.1, E71.3, E190.1, E202.1, E223.1, E336.3, H23.30
VAPOR EXTRACTION WELL A/N: 535497	D926	D927			H23.39, H116.1
KNOCKOUT BOX, WATER, FOR VAPOR EXTRACTION WELLS AND DUCTS A/N: 535497	D927	D926 D928			
BLOWER, EXTRACTION, MAXIMUM FLOW RATE OF 1,000 SCFM, 30 HP A/N: 535497	D928	C925 D927			
Process 14: AIR POLLUTION CONTROL					P18.1
System 1: EAST FLARE SYSTEM					S31.3

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: AIR POLLUTION CONTROL					P18.1
FLARE, ELEVATED WITH STEAM INJECTION, SA-4, WITH A JOHN ZINK FLARE TIP AND FOUR CONTINUOUS PILOT BURNERS, HEIGHT: 175 FT ; DIAMETER: 3 FT A/N: 535498	C465	D422 D423 D424 D425 D449 D466 D753			D12.3, D323.2, E193.4, H23.29
VESSEL, WATER SEAL, V-3163, HEIGHT: 19 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 535498	D933				
TANK, HOLDING, V-3164, WATER SEAL OVERFLOW, LENGTH: 10 FT ; DIAMETER: 4 FT 6 IN A/N: 535498	D937				
KNOCK OUT POT, V-2254 A/N: 535498	D466	C465 D938 D939			
KNOCK OUT POT, V-3052 A/N: 535498	D467				
KNOCK OUT POT, V-3053 A/N: 535498	D468				
KNOCK OUT POT, F-307, HEIGHT: 17 FT ; DIAMETER: 6 FT 6 IN A/N: 535498	D753	C465 D938 D939			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535498	D876			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1
System 2: WEST FLARE SYSTEM					S31.3
FLARE, SA-6, WITH A JOHN ZINK FLARE TIP, THREE AUTOMATIC STEAM SUPPLY CONTROLS, HEIGHT: 175 FT ; DIAMETER: 2 FT 6 IN A/N: 535499	C469	D422 D423 D424 D425 D449 D470 D754 D755 D756			D12.3, D323.2, E193.4, H23.29

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: AIR POLLUTION CONTROL					P18.1
KNOCK OUT POT, V-2540 A/N: 535499	D470	C469			
KNOCK OUT POT, 120-V-22, HEIGHT: 20 FT ; DIAMETER: 12 FT A/N: 535499	D754	C469 D938 D939			
VESSEL, WATER SEAL, 120-V-32, HEIGHT: 18 FT ; DIAMETER: 11 FT 11 IN A/N: 535499	D755	C469			
TANK, HOLDING, 120-V-34, WATER SEAL OVERFLOW, 4800 GALS; DIAMETER: 4 FT 6 IN; LENGTH: 10 FT A/N: 535499	D756	C469			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535499	D877			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.1
System 3: FLARE GAS RECOVERY SYSTEM					S15.12, S15.13, S31.3
COMPRESSOR, C-3016, LIQUID RING, DUAL SEALS WITH BARRIER FLUID SYSTEM, 900 CU.FT./MIN A/N: 535500	D938	D422 D423 D424 D425 D449 D466 D753 D754			E73.3, H23.36
COMPRESSOR, C-3017, LIQUID RING, DUAL SEALS WITH BARRIER FLUID SYSTEM, 900 CU.FT./MIN A/N: 535500	D939	D422 D423 D424 D425 D449 D466 D753 D754			E73.3, H23.36
KNOCK OUT POT, V-3166, COMPRESSOR DISCHARGE, LENGTH: 18 FT ; DIAMETER: 6 FT 6 IN A/N: 535500	D940				

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|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: AIR POLLUTION CONTROL					P18.1
KNOCK OUT POT, V-3168, SCRUBBER INLET, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 535500	D941				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535500	D942			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-20-2013]	H23.36
Process 15: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E879				H23.7
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E880				H23.7
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E881				H23.8
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E882				H23.20
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E884			VOC: (9) [RULE 1107, 1-6-2006; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.19
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E885			VOC: (9) [RULE 1113, 7-13-2007; RULE 1113, 9-6-2013; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	K67.4
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E886				H23.9
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT	E913			VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.21
RULE 219 EXEMPT EQUIPMENT, HEAT EXCHANGE SYSTEMS	E986				H23.37

- | | |
|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

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

**FACILITY PERMIT TO OPERATE
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

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
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	1	1	1
D5	1	1	1
D6	1	1	1
D8	1	1	1
D9	2	1	1
D10	5	1	8
D11	2	1	1
D12	6	1	8
D16	2	1	1
D17	6	1	8
D55	6	1	8
D59	3	1	2
D64	3	1	4
D65	3	1	4
D66	4	1	4
D69	4	1	4
D70	4	1	4
D77	4	1	4
D78	4	1	5
D79	5	1	5
D80	6	2	1
D81	7	2	1
D82	7	2	1
D83	7	2	1
D84	7	2	1
D85	7	2	1
D86	8	2	1
D95	8	2	1
D96	8	2	1
D97	8	2	1
D99	8	2	1
D103	8	2	1

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D104	9	2	2
D105	9	2	2
D106	9	2	3
D107	9	2	3
D108	10	2	4
D109	10	2	4
D110	10	2	4
D111	10	2	4
D112	10	2	4
D113	10	2	4
D114	10	2	4
D115	11	2	4
D116	11	2	5
D117	11	2	5
D118	11	2	5
D119	11	2	5
D120	11	2	5
D123	11	2	5
D124	11	2	5
D125	11	2	5
D126	12	2	5
D127	12	3	1
D128	12	3	1
D129	12	3	1
D130	12	3	1
D131	12	3	1
D136	12	3	1
D137	12	3	1
D138	13	3	1
D139	13	3	1
D140	13	3	1
D141	13	3	1
D142	13	3	1
D143	13	3	1
D144	13	3	1

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D145	13	3	1
D146	14	3	1
D148	14	3	1
D169	14	3	1
D170	14	3	1
D174	15	3	2
D175	19	4	1
D176	19	4	1
D177	19	4	1
D178	19	4	1
D179	19	4	1
D180	20	4	1
D181	20	4	1
D182	20	4	1
D183	20	4	1
D184	20	4	1
D185	20	4	1
D186	20	4	1
D187	21	4	1
D188	21	4	1
D190	21	4	1
D191	21	4	1
D192	21	4	1
D193	21	4	1
D194	21	4	1
D201	21	4	1
D202	22	4	1
D203	22	4	1
D206	22	4	1
D207	22	4	1
D210	23	4	2
D211	23	5	1
D216	23	5	2
D217	24	5	2
D219	24	5	2

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D220	24	5	2
D221	27	6	1
D222	27	6	1
D223	27	6	1
D224	27	6	1
D225	27	6	1
D227	27	6	1
D229	28	6	2
D230	28	6	2
D231	28	6	2
D232	28	6	2
D233	28	6	2
D234	28	6	2
D235	29	6	3
D236	29	6	3
D237	29	6	3
D238	29	6	3
D239	29	6	3
D240	29	6	3
D241	29	6	3
D242	33	7	1
D244	30	6	4
D244	31	6	5
D245	30	6	4
D245	31	6	5
D246	30	6	4
D246	32	6	5
D247	34	7	1
D248	30	6	4
D249	30	6	4
D250	30	6	4
D251	30	6	4
C252	34	7	1
D254	31	6	4
D254	32	6	5

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D261	38	7	5
D262	38	7	5
D263	38	7	5
D264	37	7	4
D264	38	7	5
D265	38	7	5
D267	38	7	5
D268	38	7	5
D275	34	7	2
D276	32	6	5
D277	35	7	2
D278	32	6	5
D279	32	6	5
D280	32	6	5
D281	32	6	5
C282	35	7	2
C292	36	7	3
S293	36	7	3
C294	36	7	3
S295	37	7	3
D296	39	8	1
D307	39	8	1
D324	39	8	3
D330	39	8	4
C335	40	8	5
D336	40	9	1
D337	40	9	1
D338	41	9	1
D339	41	9	1
D340	41	9	1
D341	41	9	1
D342	41	9	1
D344	41	9	1
D345	41	9	1
D346	42	9	1

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D347	44	9	3
D348	45	9	4
D349	45	9	5
D353	46	10	1
D359	46	10	1
D360	46	10	1
D362	39	8	1
D363	46	10	1
D364	27	6	1
D365	47	10	2
D366	47	10	2
D367	48	10	2
D369	48	10	2
D370	49	10	2
D372	66	10	5
D373	49	10	2
D374	50	10	2
D376	50	10	2
D377	51	10	2
D378	69	10	7
D379	51	10	2
D380	52	10	2
D381	52	10	2
D382	53	10	2
D384	53	10	2
D388	66	10	5
D389	54	10	2
D394	70	10	7
D395	70	10	7
D396	54	10	2
D397	55	10	2
D398	55	10	2
D399	56	10	2
D400	56	10	2
D401	57	10	2

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D402	57	10	2
D404	58	10	2
D407	58	10	2
D408	59	10	2
D409	59	10	2
D410	60	10	2
D411	60	10	2
D412	61	10	2
D413	61	10	2
D414	62	10	2
D415	62	10	2
D416	63	10	2
D417	63	10	2
D418	64	10	2
D419	64	10	2
D420	65	10	2
D421	28	6	1
D422	65	10	3
D423	65	10	3
D424	65	10	3
D425	66	10	3
D429	71	11	1
D430	72	11	1
D431	72	12	1
D432	72	12	1
D433	72	12	1
C434	72	12	1
C435	73	12	1
D448	73	12	4
D449	73	12	4
C465	79	14	1
D466	79	14	1
D467	79	14	1
D468	79	14	1
C469	79	14	2

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D470	80	14	2
D471	24	5	3
D472	24	5	3
D477	24	5	3
D479	25	5	3
D479	26	5	4
D480	25	5	3
C484	25	5	3
C484	26	5	4
D486	25	5	4
D487	25	5	4
D489	25	5	4
D490	25	5	4
D491	26	5	4
D492	26	5	4
D493	26	5	4
D494	26	5	4
D499	37	7	4
D500	37	7	4
D501	37	7	4
D502	37	7	4
D503	37	7	4
C517	42	9	1
C519	42	9	1
C520	42	9	1
C521	44	9	2
C523	44	9	3
C524	44	9	3
C525	45	9	4
C526	45	9	4
C527	45	9	5
C528	46	9	5
D713	18	3	4
C719	40	9	1
C720	40	9	1

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D721	15	3	3
D722	15	3	3
D723	15	3	3
D724	15	3	3
D725	16	3	3
D726	16	3	3
D727	16	3	3
C728	16	3	3
D730	16	3	3
D731	16	3	3
D732	16	3	3
D733	17	3	3
D734	17	3	3
D735	17	3	3
D736	17	3	3
D738	17	3	3
D740	17	3	3
D741	17	3	3
D742	17	3	3
D748	17	3	3
D749	18	3	3
D753	79	14	1
D754	80	14	2
D755	80	14	2
D756	80	14	2
D758	8	2	1
D759	73	12	7
D760	73	12	7
D761	73	12	7
D762	74	12	7
D773	42	9	1
D774	42	9	1
D775	43	9	1
D780	31	6	4
D780	33	6	5

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D781	31	6	4
D781	33	6	5
D785	74	12	8
D796	7	2	1
D797	7	2	1
D798	7	2	1
D799	7	2	1
D800	14	3	1
D801	20	4	1
D802	22	4	1
D803	23	5	1
D804	31	6	4
D805	33	7	1
D806	33	7	1
D807	33	7	1
D808	35	7	2
D809	35	7	2
D810	35	7	2
D811	37	7	4
D813	42	9	1
D814	16	3	3
D816	18	3	3
D823	6	1	8
D824	6	1	8
D828	39	8	1
D829	43	9	1
C830	43	9	1
D832	2	1	1
D834	5	1	7
D835	4	1	4
D838	8	2	1
D841	10	2	3
D842	14	3	1
D844	18	3	3
D846	22	4	1

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 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D848	23	5	1
D849	24	5	2
D851	26	5	4
D852	28	6	1
D854	29	6	3
D855	34	7	1
D856	36	7	2
D857	36	7	3
D858	37	7	3
D861	39	8	1
D862	39	8	3
D868	45	9	4
D869	46	9	5
D870	47	10	1
D871	65	10	2
D872	66	10	3
D875	73	12	4
D876	79	14	1
D877	80	14	2
E879	81	15	0
E880	81	15	0
E881	81	15	0
E882	81	15	0
E884	81	15	0
E885	81	15	0
E886	81	15	0
D887	43	9	1
D888	34	7	1
D889	34	7	1
D890	34	7	1
D891	34	7	1
D892	35	7	2
D893	35	7	2
D894	35	7	2
D895	35	7	2

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D896	22	4	1
E913	81	15	0
D915	67	10	6
D917	67	10	6
D919	5	1	7
D920	5	1	7
C921	71	11	1
C925	78	12	10
D926	78	12	10
D927	78	12	10
D928	78	12	10
D930	75	12	8
D931	75	12	8
C932	75	12	8
D933	79	14	1
D937	79	14	1
D938	80	14	3
D939	80	14	3
D940	80	14	3
D941	81	14	3
D942	81	14	3
D943	8	2	1
D944	44	9	3
D945	43	9	1
D947	67	10	5
D948	70	10	7
D949	44	9	3
D950	45	9	4
D951	46	9	5
D952	10	2	4
D953	2	1	1
D954	2	1	1
D955	2	1	1
D957	6	1	8
D958	68	10	7

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Device Index For Section D			
Device ID	Section D Page No.	Process	System
D964	14	3	1
D965	14	3	1
D966	76	12	8
D968	77	12	8
D969	43	9	1
D970	43	9	1
D971	43	9	1
D972	33	7	1
D974	34	7	2
E986	81	15	0
D987	19	4	1
D988	19	4	1
C989	19	4	1
D990	22	4	1
D991	22	4	1

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

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

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[40CFR 68 - Accidental Release Prevention, 4-9-2004]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 2004, 4-6-2007]

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

[RULE 431.1, 6-12-1998]

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

CONSENT DECREE CIVIL NO. H-05-0258. The facility shall send the District a copy of the semiannual updates sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree as well as dates of compliance for the requirement not yet fulfilled.

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A

[40CFR 60 Subpart A, 9-13-2010; 40CFR 61 Subpart A, 1-11-2013; 40CFR 63 Subpart A, 6-25-2013; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

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

PROCESS CONDITIONS

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 9-12-2012]

[Processes subject to this condition : 7]

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

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

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

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

P18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

Hydrogen Plant (Process: 4, System: 1)

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

Coker Blowdown (Process: 2, System: 3)

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

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

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

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

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

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

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

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

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

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

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

[Processes subject to this condition : 14]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

SYSTEM CONDITIONS

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

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

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

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 2.5 lbs/mmscf of hydrogen produced

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

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

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

[**RULE 1158, 6-11-1999**; RULE 1158, 7-11-2008]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

[RULE 1149, 5-2-2008; RULE 463, 11-4-2011]

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

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

[RULE 1178, 4-7-2006; RULE 463, 11-4-2011]

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

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1189

[RULE 1189, 1-21-2000]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

S13.5 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

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

S13.6 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Systems subject to this condition : Process 9, System 1, 3, 4, 5]

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

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

This process/system shall not be operated unless the fuel gas treating unit(s) is in full use and has a valid permit to receive vent gases from this system.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Systems subject to this condition : Process 1, System 1 , 7 , 8]

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

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

This process/system shall not be operated unless the sour gas treating unit is in full use and has a valid permit to receive vent gases from this system.

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

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

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

All emergency vent gases shall be directed to a blowdown flare system or flare gas recovery system except Devices IDs D1, D2, D4, D65, D69, D95-D97, D175, D176, D178, D179, D180, D186, D187, D188, D194, D201, D202, D479, D803, D816, D896, and C989 that vent to the atmosphere.

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

All vent gases under normal operating conditions shall be directed to the delayed coking unit heater(s).

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

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

All vent gases under normal operating conditions shall be directed to the tail gas treating (SCOT) unit.

This process/system shall not be operated unless the tail gas treating (SCOT) unit is in full use and has a valid permit to receive vent gases from this system.

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

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

S15.8 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to the incineration system.

This process/system shall not be operated unless the incineration system is in full use and has a valid permit to receive vent gases from this system.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Systems subject to this condition : Process 7, System 4 , 5]

S15.11 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a flare gas recovery system except device ID's D176, D178, D179, D180, D201, and D896 that vent to atmosphere, D194 that vents to atmosphere or the off-site CO2 plant, and D987 that vents to APC equipment.

This process/system shall not be operated unless the above air pollution control equipment (consisting of two compressors operating independently or concurrently at any given time) is in full use and has a valid permit to receive vent gases from this system.

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

S15.13 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to a flare system.

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

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

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

S18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

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

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

Coker Blowdown (Process: 2, System: 3)

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

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

[Systems subject to this condition : Process 6, System 3]

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:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

- S18.3 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

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

[Systems subject to this condition : Process 7, System 4 , 5]

- S18.4 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

All new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.

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

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

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

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

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 shall be identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

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

[RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; 40CFR 60 Subpart GGG, 6-2-2008]

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

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

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

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

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

All valves and new major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

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

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

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

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

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

District. Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

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

S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 458382, 458383, 458384, 472815, 467377 and 464152:

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

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

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

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

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

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

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

The operator shall keep records of the monthly inspection (quarterly where

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

applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

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

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

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

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

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

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

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

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

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

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

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

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

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

The operator shall keep records of the monthly inspection (quarterly where

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

applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

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

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

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

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

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

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

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

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

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

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

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

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

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

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

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

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

is more stringent.

Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

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

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

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

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

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

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

CONTAMINANT	EMISSIONS LIMIT

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

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

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

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

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

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

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

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

[Devices subject to this condition : C925]

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

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than or equal to 23.2 TONS IN ANY CALENDAR YEAR

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

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

[Devices subject to this condition : D429]

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

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

[Devices subject to this condition : D126]

A195.1 The 0.015 lbs/MM Btu NOX emission limit(s) is averaged over 365 day rolling average.

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

[Devices subject to this condition : D429]

A305.1 Whenever this equipment is in operation, the steam injection may be operated at any control efficiency provided that the emission concentrations being monitored by the certified CEMS serving this equipment is below the valid upper range specified in the approved CEMS plan.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D59]

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

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

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D429]

B. Material/Fuel Type Limits

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

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D417, D418]

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

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D389]

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

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

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

[Devices subject to this condition : D402]

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

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

[Devices subject to this condition : D381]

B22.7 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

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

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

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

[Devices subject to this condition : D958]

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

Compound	ppm by volume
H2S greater than	160

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

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

[40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition : D59, D78, D79, D104, D105, D174, D210, D429, D430]

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

Compound	weight percent
Sulfur less than	0.05

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

[Devices subject to this condition : D785]

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

Compound	ppm by weight
Sulfur less than or equal to	15

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

[Devices subject to this condition : D785, D930, D966, D968]

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

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

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

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

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

[Devices subject to this condition : C925]

C. Throughput or Operating Parameter Limits

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

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

[Devices subject to this condition : D396, D397]

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

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

[Devices subject to this condition : D417, D418]

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

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

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

[Devices subject to this condition : D353, D370]

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

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

[Devices subject to this condition : D761]

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

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D389]

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

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

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

[Devices subject to this condition : D210]

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

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

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

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

[Devices subject to this condition : D59]

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

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

[Devices subject to this condition : D785]

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

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

[Devices subject to this condition : D401]

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

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

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

[Devices subject to this condition : D104, D105]

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

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

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

[Devices subject to this condition : D420]

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

The operator shall install and maintain a gauging system to continuously monitor and record the liquid level in this tank. Records of gauge levels and throughput shall be maintained in a manner approved by the District and made available to the District personnel upon request.

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

[Devices subject to this condition : D402]

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

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

[Devices subject to this condition : D400]

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

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

[Devices subject to this condition : D394, D395]

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

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

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

[Devices subject to this condition : D398, D399]

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

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

[Devices subject to this condition : D759]

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

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

[Devices subject to this condition : D372]

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

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

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D429, D430]

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

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

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

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

[Devices subject to this condition : D381]

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

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

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

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

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

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

[Devices subject to this condition : C925]

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

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

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

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

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

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

C1.25 The operator shall limit the maintenance testing to no more than 50 hour(s) in any one year.

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

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

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

C1.26 The operator shall limit the throughput to no more than 2,402,916 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D378]

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

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

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

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

[Devices subject to this condition : D785]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times d \times d \times l$, where d is the diameter of the tank in feet based on the tank strapping chart and l is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D958]

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

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

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

[Devices subject to this condition : D966, D968]

- C1.30 The operator shall limit the firing rate to no more than 22 MM Btu per hour.

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

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

[Devices subject to this condition : D713]

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

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

[**RULE 463, 11-4-2011**]

[Devices subject to this condition : D372, D388]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 temperature being monitored, as indicated below, does not exceed 140 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the storage tank.

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

[Devices subject to this condition : D398, D399]

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : C335]

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

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

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

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

[Devices subject to this condition : D713]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every calendar year, at least six months after the previous calibration.

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition : C294]

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

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

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every calendar year, at least six months after the previous calibration.

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition : C292]

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

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

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

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

[Devices subject to this condition : C524, C526, C528, C719, C720]

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

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

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

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

[Devices subject to this condition : C335]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

The measuring device or gauge shall be accurate to within plus or minus 50 degrees F. It shall be calibrated once every calendar year, at least six months after the previous calibration.

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

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition : C294]

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

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

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

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : C925]

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

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

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

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

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

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

[Devices subject to this condition : C925]

D. Monitoring/Testing Requirements

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D785]

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 9-13-2010]

[Devices subject to this condition : C465, C469]

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D59]

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

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

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

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

[Devices subject to this condition : D429, D430]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : D713]

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

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

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

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

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

[Devices subject to this condition : D429, C921]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

Source test shall be conducted when this equipment is operating at least 80 percent of the permitted capacity or within a capacity range approved by the District. Report of the test and operating conditions of the equipment shall be submitted to the District within 60 days after the test.

The test shall be conducted to determine and report the concentration of NO_x, corrected to 3 percent oxygen, dry basis..

The test shall be conducted to determine and report the mass emission rate in pound per hour for NO_x, SO_x, ROG, CO, total PM, and PM₁₀, corrected to 3 percent oxygen, dry basis..

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

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

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

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

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[Devices subject to this condition : D59]

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	District method 100.1	1 hour	Outlet of the Oxidizer

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

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

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

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

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

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

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

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

[Devices subject to this condition : C925]

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

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : C292]

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

SOX concentration in ppmv

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

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

[Devices subject to this condition : D104, D105]

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

SOX concentration in ppmv

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

Oxygen concentration in percent volume

[40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition : C292, C294]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

NH3 concentration in ppmv

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

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

The CEMS shall be accurate to within plus or minus 20 percent relative accuracy. It shall be calibrated once every calendar year, at least six months after the previous calibration or as outlined in the Quality Control and Performance Evaluation Plan.

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

[Devices subject to this condition : C921]

D90.1 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every day.

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

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

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

[Devices subject to this condition : C517]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

The operator shall monitor once every day.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C434, C435, C728]

D90.3 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every day.

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

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

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

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition : D59, D78, D79, D104, D105, D174, D210, D429, D430]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

D90.10 The operator shall periodically monitor the VOC concentration at the outlet of the carbon canister according to the following specifications:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall monitor once every day.

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

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

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

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

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

D90.11 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every day.

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

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

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

[Devices subject to this condition : C484]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D90.13 The operator shall periodically monitor the hydrocarbon concentration at the inlet and outlet of the second carbon canister according to the following specifications:

The operator shall monitor once every day.

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

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

[RULE 1189, 1-21-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C989]

D94.1 The operator shall install, maintain and operate a sampling line at the inlet and outlet of the carbon canisters to allow measurement of hydrocarbon concentrations

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

[Devices subject to this condition : C521]

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the H₂S concentration at the fuel gas 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 common source of the fuel gas..

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[40CFR 60 Subpart J, 9-12-2012]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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 an 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.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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 an semiannual basis, at least, unless the equipment did not operate during the entire semiannual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

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

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO emission limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D59, D174, D210, C292, C294, D429, D430]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461 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.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D760]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : C925]

E. Equipment Operation/Construction Requirements

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

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

[Devices subject to this condition : D915]

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

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

[Devices subject to this condition : D917]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

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

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

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

[Devices subject to this condition : D930]

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

a) Whenever this boiler is in operation, the operator may choose not to operate the FGR for not more than a total of six days in any one month.

b) Emissions during breakdown of the FGR shall not be excluded from RECLAIM allocation unless the breakdown is in full compliance with the Breakdown Provisions of Rule 2004.

c) Records of the operation of the FGR shall be maintained and made available for District personnel upon request.

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D430]

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

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

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

[Devices subject to this condition : D938, D939]

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

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

[Devices subject to this condition : D930]

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

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

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

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

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

[Devices subject to this condition : C434, C435, C484, C517, C519, C520, C521, C523, C525, C527, C728, C830]

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

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

[Devices subject to this condition : D86]

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

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

[Devices subject to this condition : D113]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[**RULE 1158, 6-11-1999**; RULE 1158, 7-11-2008]

[Devices subject to this condition : D113]

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

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

[Devices subject to this condition : D917]

E153.1 The operator shall change over the spent carbon with fresh activated carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the carbon canister. (The 500 ppmv refers to VOCs).

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

[Devices subject to this condition : C484]

E153.2 The operator shall change over the spent carbon with fresh activated carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the carbon canister. (The 500 ppmv refers to VOCs).

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C434, C435, C517, C519, C520, C521, C523, C525, C527, C728, C830]

E153.4 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 1189, 1-21-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C989]

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

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

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

[40CFR 60 Subpart A, 9-13-2010]

[Devices subject to this condition : C465, C469]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[Devices subject to this condition : D401]

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

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

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

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

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

[Devices subject to this condition : D930]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E193.7 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall not use this equipment with materials having a true vapor pressure of 3 psia or greater measured at 70 degrees F, unless the tank is in crude oil service

If this equipment is in crude oil service, the operator shall not use this equipment with materials having a true vapor pressure of 11 psia or greater measured at 70 degrees F

Whenever there is a change in the product type, the operator shall determine the true vapor pressure of the organic material stored using the methods specified in Rule 1178. The test shall be conducted within ten days of changing product types.

The operator shall keep records of the date when there is a change in material stored, along with the test results, at the facility for a period of 5 years. These records shall be made available to the Executive Officer upon request.

[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 : D400]

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

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

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

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

[Devices subject to this condition : C925]

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

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

[Devices subject to this condition : C925]

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

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C925]

- E448.1 The operator shall comply with the following requirements:

The equipment shall not be operated unless water is injected upstream of the knockout pot D988.

The operator shall conduct daily verification that the water is being injected.

[RULE 1189, 1-21-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D987]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 2-6-2009]

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

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

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

[RULE 1178, 4-7-2006; RULE 463, 11-4-2011]

[Devices subject to this condition : D353]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1149, 5-2-2008]

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

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

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

[RULE 1149, 5-2-2008; 40CFR 60 Subpart K, 10-17-2000]

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

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

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

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 11-4-2011]

[Devices subject to this condition : D378]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition : D59, D78, D79, D174, D210, C292, C294, D429, D430]

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

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

[RULE 1415, 12-3-2010; 40CFR 82 Subpart F, 6-25-2013]

[Devices subject to this condition : E879, E880]

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

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

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E881]

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

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E886]

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	465
Sulfur compounds	District Rule	465

[RULE 465, 8-13-1999]

[Devices subject to this condition : D65]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

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

[RULE 1176, 9-13-1996]

[Devices subject to this condition : C728, D816]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR61, SUBPART	FF

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

[Devices subject to this condition : D222, D223, D242, D275, D380, D407, D408, D411, D412, D919]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

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

[Devices subject to this condition : D336, D337, D338, D339, D349, D382, D400, D401, D408, D411, D412, D414, D415, D773, D887, D949, D950, D951]

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

Contaminant	Rule	Rule/Subpart

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

VOC	District Rule	463
VOC	40CFR60, SUBPART	Ka
VOC	District Rule	1149

[RULE 1149, 5-2-2008; RULE 463, 11-4-2011; 40CFR 60 Subpart Ka, 12-14-2000]

[Devices subject to this condition : D362]

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

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

[RULE 1149, 5-2-2008; 40CFR 60 Subpart Ka, 12-14-2000]

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

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

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

[RULE 1149, 5-2-2008; 40CFR 60 Subpart Kb, 10-15-2003]

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

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : E884]

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

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

[RULE 1411, 3-1-1991; 40CFR 89 Subpart B, 10-30-2009]

[Devices subject to this condition : E882]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

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

[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]

[Devices subject to this condition : E913]

H23.22 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, SUBPART	GGG

[RULE 1173, 2-6-2009; 40CFR 60 Subpart GGG, 6-2-2008]

[Devices subject to this condition : D472, D738, D740, D748, D749, D832, D834, D835, D841, D842, D844, D848, D851, D852, D854, D855, D856, D857, D858, D957]

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

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

[RULE 1149, 5-2-2008; 40CFR 61 Subpart FF, 12-4-2003]

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

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

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

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

[RULE 1149, 5-2-2008; 40CFR 60 Subpart Ka, 12-14-2000; 40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition : D398, D399]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
HAPs	40CFR63, SUBPART	ZZZZ

[RULE 1470, 6-1-2007; 40CFR 63 Subpart ZZZZ, 1-30-2013]

[Devices subject to this condition : D785]

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

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

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

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

[40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

[Devices subject to this condition : D104, D105]

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

Contaminant	Rule	Rule/Subpart
CO	District Rule	407

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

[RULE 407, 4-2-1982]

[Devices subject to this condition : D176, D178, D179, D180, D194, D201, D896, D987]

H23.29 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

[RULE 1118, 11-4-2005]

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

[Devices subject to this condition : C465, C469]

H23.30 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

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

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

[40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition : C925]

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

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

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012]

[Devices subject to this condition : D785, D930]

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

H23.33 This equipment is subject to the applicable requirements of the following rules or regulations:

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

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

[RULE 1149, 5-2-2008; RULE 463, 11-4-2011]

[Devices subject to this condition : D958]

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

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

[RULE 1470, 6-1-2007; 40CFR 60 Subpart III, 1-30-2013; 40CFR 63 Subpart ZZZZ, 1-30-2013]

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

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

H23.36 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, SUBPART	GGGa

[RULE 1173, 2-6-2009; 40CFR 60 Subpart GGGa, 6-2-2008]

[Devices subject to this condition : D838, D938, D939, D942]

H23.37 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	CC

[40CFR 63 Subpart CC, 6-20-2013]

[Devices subject to this condition : E986]

H23.38 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	EEEE

[40CFR 63 Subpart EEEE, 7-28-2006]

[Devices subject to this condition : D296]

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

H23.39 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR	Part 64

[**40 CFR 64, 11-21-1997**]

[Devices subject to this condition : D344, D432, D926]

H23.40 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR63, SUBPART	DDDDD

[**40CFR 63 Subpart DDDDD, 1-31-2013**]

[Devices subject to this condition : D59, D78, D79, D104, D105, D174, D210, D429, D430, D713]

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

[RULE 402, 5-7-1976]

[Devices subject to this condition : C434, C435, D926]

J. Rule 461

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

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, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D759]

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

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D760]

K. Record Keeping/Reporting

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

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

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

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

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

[Devices subject to this condition : D785]

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

Throughput and vapor pressure of stored liquid.

**[RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463,
11-4-2011]**

[Devices subject to this condition : D362, D363, D365, D366, D367, D369, D373, D374, D376, D377, D379, D380, D381, D382, D384, D388, D400, D404, D407, D408, D409, D410, D411, D412, D413, D414, D415, D416, D419]

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

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

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

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

[RULE 1113, 7-13-2007; RULE 1113, 9-6-2013; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E885]

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

Tank throughput in barrels.

Commodity stored and its storage time period.

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

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

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

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

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 11-4-2011; 40CFR 63 Subpart CC, 6-20-2013]

[Devices subject to this condition : D378]

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

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

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

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

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

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

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

Diesel Particulate filter inspections, replacements and manual regenerations.

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D930]

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

Tank throughput in barrels

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

Commodity stored

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

[Devices subject to this condition : D958]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

A log of engine operations, including manual and automatic operation, documenting the total time the engine is operated each month and the specific reason for operation as:

- A. Emergency use
- B. Maintenance and testing
- C. Other (Describe the reason for the operation)

In addition, for each time the engine is manually started, the log shall include the date of engine operation, the specific reason for operation, and the totalizing hour meter readings (in hours and tenths of hours) at the beginning and end of the operation.

On or before January 15th of each year, the operator shall record in the engine log:

- A. the total hours of engine operation for the previous calendar year, and
- B. the total hours of engine operation for maintenance and testing for the previous calendar year.

Engine operation log(s) shall be retained on site for a minimum of five calendar years and shall be made available to the Executive Officer or representative upon request.

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D966, D968]

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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 SCAQMD. 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]

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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 SCAQMD personnel upon request and be maintained for at least: [204]
 - 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 SCAQMD 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_x 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]

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SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) 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 (O₂) 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 SCAQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x 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 SCAQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.

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- 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 SCAQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.

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- 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 SCAQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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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_x Monitoring Conditions

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an SCAQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NO_x source to continuously measure the concentration of NO_x 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_x emissions rate from each source. The time-sharing of CEMS among NO_x 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 SCAQMD 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 SCAQMD 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.

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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.

B. The Operator of a NO_x 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_x 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_x Process Unit, as defined in Rule 2012, shall, as applicable:

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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_x Source Testing and Tune-up conditions

1. The operator shall conduct all required NO_x source testing in compliance with an SCAQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO_x source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NO_x 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]
3. All NO_x large sources and NO_x 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_x monitoring conditions

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

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

1. Install, maintain, and operate an SCAQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major SO_x source to continuously measure the concentration of SO_x 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_x emissions rate from each source. The time-sharing of CEMS among SO_x sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2011]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2011]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by SCAQMD 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 SCAQMD 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;

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

- b. excess emissions;
- c. the amount of penalties; and
- d. fees.

E. The Operator of a SO_x 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_x Source Testing Conditions

- 1. The operator shall conduct all required SO_x source testing in compliance with an SCAQMD-approved source test protocol. [2011]

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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 SCAQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to SCAQMD 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 SCAQMD 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 total facility NO_x or SO_x 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. [2004]

NO_x Reporting Requirements

- A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

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 SCAQMD central station for each major NO_x source, the total daily mass emissions of NO_x 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. [2012]
2. Calculate NO_x 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. Notwithstanding the preceding condition, in no more than three non-consecutive occurrences per compliance year the reporting deadline extension following a system failure that precludes the Facility Permit holder from timely reporting shall be 96 rather than 24 hours provided that the raw data as obtained by the direct monitoring device is stored at the facility. [2012]
3. Submit an electronic report within 15 days following the end of each month totaling NO_x emissions from all major NO_x 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 SCAQMD 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_x Large Source, as defined in Rule 2012, shall:

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1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the SCAQMD, the total monthly NO_x mass emissions from each large NO_x 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_x Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NO_x emissions for each NO_x process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

SO_x Reporting Requirements

D. The Operator of a SO_x 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 SCAQMD central station for each major SO_x source, the total daily mass emissions of SO_x 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]

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

2. Calculate SO_x 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. Notwithstanding the preceding condition, in no more than three non-consecutive occurrences per compliance year the reporting deadline extension following a system failure that precludes the Facility Permit holder from timely reporting shall be 96 rather than 24 hours provided that the raw data as obtained by the direct monitoring device is stored at the facility. [2011]
3. Submit an electronic report within 15 days following the end of each month totaling SO_x emissions from all major SO_x 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 SCAQMD 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 SO_x Process Unit, as defined in Rule 2011, shall:

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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
System 1: STORM/PROCESS UNIT WASTEWATER TREATMENT					S13.6
OIL WATER SEPARATOR, NO. 1, OIL/WATER, WITH A FIXED COVER A/N: 536902 Permit to Construct Issued: 08/07/12	D336	C719		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 8 FT ; DIAMETER: 10 IN A/N: 536902 Permit to Construct Issued: 08/07/12	C719	D336 C519			C8.6
OIL WATER SEPARATOR, NO. 2, OIL/WATER, WITH A FIXED COVER A/N: 536902 Permit to Construct Issued: 08/07/12	D337	C720		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SCRUBBER, PACKED COLUMN WITH PALL RINGS, WATER OR WASTEWATER (ONCE THROUGH), HEIGHT: 8 FT ; DIAMETER: 10 IN A/N: 536902 Permit to Construct Issued: 08/07/12	C720	D337 C520			C8.6
SUMP, PUMP STRUCTURE, NO. 3, STORM/PROCESS WATER, CONCRETE WITH FIXED COVER AND FLAME ARRESTOR A/N: 536902 Permit to Construct Issued: 08/07/12	D338	C521 D773		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (8) [40CFR 60 Subpart QQQ, 10-17-2000]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13

- * (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
SUMP, OIL AND WATER, FIXED COVER, WIDTH: 5 FT ; DEPTH: 6 FT 7 IN; LENGTH: 10 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D339	C521			H23.13
SUMP, PROCESS WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT ; DEPTH: 8 FT 6 IN; LENGTH: 15 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D340				
SUMP, STORM WATER, CONCRETE WITH OPEN TOP, WIDTH: 15 FT ; DEPTH: 8 FT 6 IN; LENGTH: 20 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D341				
TANK, AIR FLOTATION, TK-1601, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT ; DIAMETER: 26 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D342	C517		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	E17.1
TANK, AIR FLOTATION, TK-1602, PROCESS WATER, FIXED ROOF, HEIGHT: 16 FT ; DIAMETER: 26 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D344	C517		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	E17.1, H23.39
TANK, DISSOLVED GAS FLOTATION, V-3188, POSEIDON, SATURN S600TCR12.5E, 2500 GPM, HEIGHT: 22 FT 4 IN; DIAMETER: 12 FT 6 IN A/N: 536902 Permit to Construct Issued: 08/07/12	D975	D980		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	E17.1, E57.1, H23.39

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
TANK, DISSOLVED GAS FLOTATION, V-3189, POSEIDON, SATURN S600TCR12.5E, 2500 GPM, HEIGHT: 22 FT 4 IN; DIAMETER: 12 FT 6 IN A/N: 536902 Permit to Construct Issued: 08/07/12	D976	D980		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	E17.1, E57.1, H23.39
RESERVOIR, STORM WATER, WITH A 21 FT. DIKE, 193000 BBL A/N: 536902 Permit to Construct Issued: 08/07/12	D345				
SCREEN, CLASSIFYING, STEEL BAR TYPE, DR-4201, HEIGHT: 4 FT, WIDTH: 3 FT, MANUALLY CLEANED A/N: 536902 Permit to Construct Issued: 08/07/12	D346				
CARBON ADSORBER, (THREE IN PARALLEL), ACTIVATED CARBON, 150 LBS A/N: 536902 Permit to Construct Issued: 08/07/12	C517	D342 D344			D90.1, E128.1, E153.2
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N: 536902 Permit to Construct Issued: 08/07/12	C519	C719			D90.3, E128.1, E153.2
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N: 536902 Permit to Construct Issued: 08/07/12	C520	C720			D90.3, E128.1, E153.2

* (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.

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
TANK, AIR FLOTATION, TK-1611, STORM WATER, FIXED ROOF, HEIGHT: 16 FT ; DIAMETER: 26 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D813				
SUMP, API INLET BOX, STORM/PROCESS WASTEWATER, CONCRETE, FIXED COVER, WITH VAPOR PATH COMMON TO INLET CHANNEL&PUMP STRUCTURE A/N: 536902 Permit to Construct Issued: 08/07/12	D773	D338 C521		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.13
SCREEN, CLASSIFYING, WIRE MESH TYPE, 1-1/2 INCH OPENINGS, HEIGHT: 4 FT; WIDTH: 3 FT, MANUALLY CLEANED A/N: 536902 Permit to Construct Issued: 08/07/12	D774				
SCREEN, CLASSIFYING, WIRE MESH TYPE, 1-1/2 INCH OPENINGS, HEIGHT: 2 FT 8 IN; WIDTH: 3 FT 4-1/2 IN, MANUALLY CLEANED A/N: 536902 Permit to Construct Issued: 08/07/12	D775				
TANK, FIXED ROOF, TK-2529, API SLUDGE, 143 BBL; DIAMETER: 10 FT ; HEIGHT: 11 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D829	C830		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN SERIES, 150 LBS A/N: 536902 Permit to Construct Issued: 08/07/12	C830	D829			D90.3, E128.1, E153.2

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
VESSEL, RETENTION, PRESSURIZED, V-2346, 69 BBL, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D969				
VESSEL, RETENTION, PRESSURIZED, V-2347, 69 BBL, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D970				
VESSEL, RETENTION, PRESSURIZED, V-2381, 69 BBL, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N: 536902 Permit to Construct Issued: 08/07/12	D971				
DRAIN SYSTEM COMPONENT A/N: 536902 Permit to Construct Issued: 08/07/12	D887			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	H23.13
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 536902 Permit to Construct Issued: 08/07/12	D945				H23.1
System 2: AIR POLLUTION CONTROL SYSTEM					
CARBON ADSORBER, TWO TOTAL, 2000 LBS EACH, V-3198/V-3199, ACTIVATED CARBON, BACKUP FOR THERMAL OXIDIZER A/N: 536833 Permit to Construct Issued: 08/07/12	C977	D980			D90.12, E128.1, E153.2

* (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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: WASTEWATER TREATMENT					P13.2
OXIDIZER, THERMAL, TOU-1, BAKER FURNACE, NATURAL GAS, MODEL 1500 SCFM, 2.5 MMBTU/HR WITH A/N: 536835 Permit to Construct Issued: 08/07/12 BURNER, LOW NOX	C978	D982	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 200 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 32 PPMV (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A195.2, C1.31, C8.11, D29.5, D29.6, D332.1, E223.2, I297.1
KNOCK OUT POT, V-1, DGF VENT GAS A/N: 536835 Permit to Construct Issued: 08/07/12	D980	D432 D975 D976 C977 D982			
KNOCK OUT POT, V-2, ORU VENT GAS A/N: 536835 Permit to Construct Issued: 08/07/12	D981				
BLOWER, DGF VENT GAS, DR-823A/B, 1 HP A/N: 536835 Permit to Construct Issued: 08/07/12	D982	C978 D980			
BLOWER, ORU VENT GAS, C-4A/B, 5 HP A/N: 536835 Permit to Construct Issued: 08/07/12	D983				
BLOWER, DILUTION AIR, DR-826, 10 HP A/N: 536835 Permit to Construct Issued: 08/07/12	D984				

* (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
Process 9: WASTEWATER TREATMENT					P13.2
BLOWER, COMBUSTION AIR, DR-825, 2 HP A/N: 536835 Permit to Construct Issued: 08/07/12	D985				
Process 10: STORAGE TANKS					P13.2
System 7: DOMED EXTERNAL FLOATING ROOF TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 2640, CRUDE OIL, WELDED SHELL, WITH FOUR MIXERS, 615000 BBL; DIAMETER: 260 FT ; HEIGHT: 65 FT WITH A/N: 544857 Permit to Construct Issued: 12/12/14 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D992			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-20-2013]	C1.33, E193.8, G515.1, H23.17

* (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 2643, WASTE WATER, WELDED SHELL, 14000 BBL; DIAMETER: 44 FT ; HEIGHT: 51 FT 7 IN WITH A/N: 544859 Permit to Construct Issued: 12/12/14 DOME COVER, GEODESIC FLOATING ROOF, DOUBLE DECK PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D998			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.34, E193.8, H23.17

* (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. R-510, CRUDE OIL, WELDED, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT ; HEIGHT: 50 FT WITH A/N: 544860 Permit to Construct Issued: 12/12/14 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY B OR BETTER, SHOE MOUNTED, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D394			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.32, E193.8, G515.1, H23.4

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 10: STORAGE TANKS					P13.2
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. R-511, CRUDE OIL, WELDED, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT ; HEIGHT: 50 FT WITH A/N: 544861 Permit to Construct Issued: 12/12/14 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY B OR BETTER, SHOE MOUNTED, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D395			HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]	C1.32, E193.8, G515.1, H23.4
Process 12: MISCELLANEOUS					
System 1: SLUDGE HANDLING					
TANK, GRAVITY SETTLING, TK-2518, SLUDGE, WITH INTERNAL RAKES, HEIGHT: 12 FT ; DIAMETER: 35 FT A/N: 536901 Permit to Construct Issued: 08/07/12	D431	C435		HAP: (10) [40CFR 63 Subpart CC, #2, 6-20-2013]; VOC: 500 PPMV (4) [RULE 1303(a)(1) -BACT, 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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: MISCELLANEOUS					
TANK, DAF, TK-2520, WITH FLOAT COLLECTOR, 180 BBL; DIAMETER: 9 FT ; HEIGHT: 16 FT A/N: 536901 Permit to Construct Issued: 08/07/12	D432	C434 D980		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	E57.1, H23.39
TANK, FIXED ROOF, TK-2519, SPARE, 230 BBL; DIAMETER: 9 FT ; HEIGHT: 20 FT A/N: 536901 Permit to Construct Issued: 08/07/12	D433	C435		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN PARALLEL, 150 LBS A/N: 536901 Permit to Construct Issued: 08/07/12	C434	D432			D90.2, E128.1, E153.2, H116.1
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL IN PARALLEL, 150 LBS A/N: 536901 Permit to Construct Issued: 08/07/12	C435	D431 D433			D90.2, E128.1, E153.2, H116.1

* (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
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: DEVICE ID INDEX

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D337	1	9	1
D338	1	9	1
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D340	2	9	1
D341	2	9	1
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D345	3	9	1
D346	3	9	1
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D395	10	10	7
D431	10	12	1
D432	11	12	1
D433	11	12	1
C434	11	12	1
C435	11	12	1
C517	3	9	1
C519	3	9	1
C520	3	9	1
C719	1	9	1
C720	1	9	1
D773	4	9	1
D774	4	9	1
D775	4	9	1
D813	4	9	1
D829	4	9	1
C830	4	9	1
D887	5	9	1
D945	5	9	1
D969	5	9	1
D970	5	9	1
D971	5	9	1
D975	2	9	1

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: DEVICE ID INDEX

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Device ID	Section H Page No.	Process	System
D976	3	9	1
C977	5	9	2
C978	6	9	2
D980	6	9	2
D981	6	9	2
D982	6	9	2
D983	6	9	2
D984	6	9	2
D985	7	9	2
D992	7	10	7
D998	8	10	7

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

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

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 4-9-2004]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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, 4-6-2007]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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]

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

CONSENT DECREE CIVIL NO. H-05-0258. The facility shall send the District a copy of the semiannual updates sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree as well as dates of compliance for the requirement not yet fulfilled.

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A

[40CFR 60 Subpart A, 9-13-2010; 40CFR 61 Subpart A, 1-11-2013; 40CFR 63 Subpart A, 6-25-2013; CONSENT DECREE CIVIL NO. H-05-0258, 8-11-2008]

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

PROCESS CONDITIONS

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

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 9-12-2012]

[Processes subject to this condition : 7]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

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

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

P18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

Hydrogen Plant (Process: 4, System: 1)

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

Coker Blowdown (Process: 2, System: 3)

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

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

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

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

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

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

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

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

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

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

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

[Processes subject to this condition : 14]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

SYSTEM CONDITIONS

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

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

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

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 2.5 lbs/mmscf of hydrogen produced

[RULE 1189, 1-21-2000]

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

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

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

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

VOC | District Rule | 1149

[RULE 1149, 5-2-2008; RULE 463, 11-4-2011]

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

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

[RULE 1178, 4-7-2006; RULE 463, 11-4-2011]

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

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1189

[RULE 1189, 1-21-2000]

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

S13.5 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

S13.6 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Systems subject to this condition : Process 9, System 1 , 3 , 4 , 5]

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

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

This process/system shall not be operated unless the fuel gas treating unit(s) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 1, System 1 , 7 , 8]

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

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

This process/system shall not be operated unless the sour gas treating unit is in full use and has a valid permit to receive vent gases from this system.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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

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

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

All emergency vent gases shall be directed to a blowdown flare system or flare gas recovery system except Devices IDs D1, D2, D4, D65, D69, D95-D97, D175, D176, D178, D179, D180, D186, D187, D188, D194, D201, D202, D479, D803, D816, D896, and C989 that vent to the atmosphere.

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

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

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

All vent gases under normal operating conditions shall be directed to the delayed coking unit heater(s).

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

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

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

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

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

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

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

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

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

All vent gases under normal operating conditions shall be directed to the tail gas treating (SCOT) unit.

This process/system shall not be operated unless the tail gas treating (SCOT) unit is in full use and has a valid permit to receive vent gases from this system.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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

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

S15.8 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to the incineration system.

This process/system shall not be operated unless the incineration system is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 7, System 4 , 5]

S15.11 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a flare gas recovery system except device ID's D176, D178, D179, D180, D201, and D896 that vent to atmosphere, D194 that vents to atmosphere or the off-site CO2 plant, and D987 that vents to APC equipment.

This process/system shall not be operated unless the above air pollution control equipment (consisting of two compressors operating independently or concurrently at any given time) is in full use and has a valid permit to receive vent gases from this system.

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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

S15.13 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to a flare system.

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

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

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

S18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

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

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

Coker Blowdown (Process: 2, System: 3)

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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

[Systems subject to this condition : Process 6, System 3]

S18.2 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

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

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

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

S18.3 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

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

[Systems subject to this condition : Process 7, System 4 , 5]

S18.4 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

All new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.

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

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

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

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

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 shall be identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; 40CFR 60 Subpart GGG, 6-2-2008]

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

All valves and new major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

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

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

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

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

District. Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 7]

- S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 458382, 458383, 458384, 472815, 467377 and 464152:

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service as defined in Rule 1173, except valves and flanges, shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv.

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new light liquid pumps shall utilize double seals and be connected to a closed vent system.

All compressors shall be equipped with a seal system with a higher pressure barrier fluid.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 1, System 4; Process 2, System 1; Process 3, System 3; Process 14, System 1 , 2 , 3]

S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 471540:

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service as defined in Rule 1173, except valves and flanges, shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv.

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new light liquid pumps shall utilize double seals and be connected to a closed vent system.

All compressors shall be equipped with a seal system with a higher pressure barrier fluid.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 1]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 487403:

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose a safety hazard, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service as defined in Rule 1173, except valves and flanges, shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm.

All new components in VOC service, a leak greater than 500 ppm measured as

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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:

methane above background as measured using EPA Method 21, shall be repaired within 7 calendar days of detection or pursuant to Rule 1173 repair period, whichever is more stringent.

Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 3, System 1]

DEVICE CONDITIONS

A. Emission Limits

A195.2 The 32 PPMV NOX emission limit(s) is averaged over 60 minutes.

NOx concentration is 32 ppmv corrected to 3% O₂, dry basis.

Notwithstanding the requirements of Section E conditions, a source test shall be conducted once every five years to demonstrate compliance with this limit

[RULE 2005, 6-3-2011]

[Devices subject to this condition : C978]

C. Throughput or Operating Parameter Limits

C1.31 The operator shall limit the load to no more than 250 cubic feet per minute.

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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:

For the purpose of this condition, the load shall be defined as the total vent gas flow rate at the inlet of this oxidizer.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate at the inlet to the oxidizer.

The operator shall measure the flow rate in standard cubic feet per minute (SCFM).

If a pressure sensing device is used instead of the flow meter, a conversion chart shall be made available to indicate the flow rate (in CFM) corresponding to the pressure reading.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : C978]

- C1.32 The operator shall limit the throughput to no more than 1.52 million barrel(s) in any one calendar month.

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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:

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 : D394, D395]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- C1.33 The operator shall limit the throughput to no more than 2.5 million barrel(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times d \times d \times l$, where d is the diameter of the tank in feet based on the tank strapping chart and l is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

The operator shall keep adequate records to show compliance with the limitations specified in this permit. Such records shall be maintained and kept on file for at least two years and shall be made available to the executive officer or his authorized representative upon request.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

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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:

[Devices subject to this condition : D992]

- C1.34 The operator shall limit the throughput to no more than 64,000 barrel(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times d \times d \times l$, where d is the diameter of the tank in feet based on the tank strapping chart and l is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

The operator shall keep adequate records to show compliance with the limitations specified in this permit. Such records shall be maintained and kept on file for at least two years and shall be made available to the executive officer or his authorized representative upon request.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D998]

- C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 2 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate being supplied to the scrubber.

The operator shall determine and record the parameter being monitored once every 24 hours.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C719, C720]

- C8.11 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the oxidizer.

A temperature sensor, accurate to 20 degrees Fahrenheit, shall be installed and maintained at the exhaust stack of this equipment. The sensor shall be mounted at least 0.3 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]

[Devices subject to this condition : C978]

D. Monitoring/Testing Requirements

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

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

The test shall be conducted to demonstrate compliance with the NOx emissions limit of 32 PPMV.

The test(s) shall be conducted within 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

During the source test(s), the facility permit holder shall also record the operating temperatures of the oxidizer.

Notwithstanding the requirements of Section E conditions, the source test results shall be submitted to the District no later than 60 days after the source test was conducted.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C978]

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
ROG emissions	As specified in applicable NSPS	As specified in applicable NSPS	Inlet and Outlet of the Oxidizer

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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:

The test shall be conducted to demonstrate compliance with the efficiency limit of 95% ROG destruction.

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.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C978]

D90.1 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every day.

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA, to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C517]

D90.2 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

The operator shall monitor once every day.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C434, C435]

D90.3 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every day.

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C519, C520, C830]

D90.12 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall use a diffusion sensor, or flame-ionization system, or an infra-red ionization system, or ultra-violet ionization system, or a District approved OVA to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

The operator shall monitor once every day on any day the device is being used to control emissions.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C977]

- D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : C978]

E. Equipment Operation/Construction Requirements

- E17.1 The operator shall not use more than 2 of the following items simultaneously:

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The operator shall comply with the terms and conditions set forth below:

Device ID: D975 [Dissolved Gas Flotation Tank]

Device ID: D976 [Dissolved Gas Flotation Tank]

Device ID: D342 [Air Flotation Tank]

Device ID: D344 [Air Flotation Tank]

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D342, D344, D975, D976]

E57.1 The operator shall vent this equipment to either the thermal oxidizer (C978) or the backup carbon canister (C977) whenever this equipment is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D432, D975, D976]

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C434, C435, C517, C519, C520, C830, C977]

E153.2 The operator shall change over the spent carbon with fresh activated carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the carbon canister. (The 500 ppmv refers to VOCs).

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C434, C435, C517, C519, C520, C830, C977]

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The operator shall comply with the terms and conditions set forth below:

E193.8 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall not use this equipment with materials having a Reid vapor pressure of 11 psia or greater

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D394, D395, D992, D998]

E223.2 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 temperature specified in condition C8.11, when temperature exceeds manufacturer's specifications, or when flameout occurs.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C978]

G. CEQA Requirements

G515.1 The operator shall use this equipment only to receive and store crude oil unloaded from marine vessels.

The operator shall maintain records of the Run Tickets and other relevant information, such as Plant Data Historian records, to demonstrate compliance with this condition.

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D394, D395, D992]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart

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The operator shall comply with the terms and conditions set forth below:

VOC	District Rule	1173
[RULE 1173, 2-6-2009]		

[Devices subject to this condition : D945]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	K

[RULE 1149, 5-2-2008; 40CFR 60 Subpart K, 10-17-2000]

[Devices subject to this condition : D394, D395]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

[40CFR 60 Subpart QQQ, 10-17-2000]

[Devices subject to this condition : D336, D337, D338, D339, D773, D887]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Kb

[RULE 1149, 5-2-2008; 40CFR 60 Subpart Kb, 10-15-2003]

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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D992, D998]

H23.39 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR	Part 64

[**40 CFR 64, 11-21-1997**]

[Devices subject to this condition : D344, D432, D975, D976]

H116.1 The operator shall terminate the operation of this equipment in order to comply with District Rule 402 whenever the District determine that the equipment is creating nuisance.

[RULE 402, 5-7-1976]

[Devices subject to this condition : C434, C435]

I. Administrative

I297.1 This equipment shall not be operated unless the facility holds 2 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[**RULE 2005, 6-3-2011**]

[Devices subject to this condition : C978]

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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_x or SO_x 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_x or SO_x 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
539607	2002
539609	1123
539610	1176
539611	63SubpartUUU
539616	1173
550633	1166
550868	Part 64
555297	1118

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.

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SECTION J: AIR TOXICS [40CFR 61 Subpart FF, #1 12-04-2003]

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).
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.

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SECTION J: AIR TOXICS [40CFR 61 Subpart FF, #1 12-04-2003]

7. The operator shall comply with applicable test methods and procedures in §61.355 for determining the total annual benzene quantity from facility waste.
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
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**SECTION J: AIR TOXICS
 [40CFR 63 Subpart CC, #2 06-20-2013]**

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	63.655(i)(1)(iv) 63.646(b)(1) and (2)	Weight percent of total organic HAP
Wastewater stream	61.342(c)(2) or (c)(3)	Total annual benzene quantity

For Group 2 Miscellaneous Process Vents, §63.645(f) and (g) must be used to show a Group 2 determination for any new process vents, and the owner or operator of an existing Group 2 process vent must make a Group 1 or Group 2 determination in accordance with §63.645(h) whenever process changes are made.

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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #3A 06-20-2013]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 1 EMISSION POINT (GROUP 1 STORAGE TANK - EXISTING SOURCE)

1. The operator shall comply with all applicable requirements of 40CFR63 Subparts CC including those requirements of 40CFR63 Subpart A specified in Table 6 of 40CFR63 Subpart CC.
2. The operator shall comply with applicable requirements of 40CFR63 Subpart CC by the following applicable compliance date:
 - August 18, 1998, for fixed roof storage tank. *{63.640(h)}*
 - August 18, 2005, or at the first degassing and cleaning activity after 8/18/1998, whichever is first, for floating roof storage tank. *{63.640(h)(4)}*
3. The operator shall comply with applicable control, monitoring, inspection, and recordkeeping requirements of 40CFR63 Subpart CC, which references to 40CFR63 Subpart G as follows:

40CFR63 Subpart CC	40CFR63 Subpart G
63.646(a)	<u>Control requirements:</u> <ol style="list-style-type: none"> a. Internal Floating Roof storage tanks shall be equipped with proper seals. <i>{63.119(b)(1) to (b)(4)}</i> b. External Floating Roof storage tank shall be equipped with proper seals. <i>{63.119(c)(1), (c)(3) & (c)(4)}</i> c. External Floating Roof converted to an Internal Floating Roof shall be equipped with proper seals. <i>{63.119(d)(1)}</i> d. Fixed roof storage tank shall be vented to a control system to reduce organic hazardous air pollutants emissions by 95%. <i>{63.119(e)(1) to (e)(5)}</i>

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SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #3A 06-20-2013]

40CFR63 Subpart CC	40CFR63 Subpart G
63.646(e)	<p><u>Testing and inspection requirements:</u></p> <p>a. Internal Floating Roof storage tank, single seal: Roof & seal shall be visually inspected yearly through manholes & roof hatches and Roof & seal shall be visually inspected when emptying/degassing the tank and at least every 10 years. <i>{63.120(a)(2)(i) & (ii)}</i></p> <p>b. Internal Floating Roof storage tank, double seals:</p> <ul style="list-style-type: none"> • Roof & both seals shall be visually inspected when emptying/degassing and at least every 5 years <i>{63.120(a)(3)(i)}</i>, or • Roof & secondary seal shall be visually inspected yearly through manholes and roof hatches and Roof & both seals shall be visually inspected when emptying/degassing and at least every 10 years. <i>{63.120(a)(3)(ii) & (iii)}</i> <p>c. External Floating Roof storage tank, single seal: Gaps between the storage vessel wall and primary seal shall be measured at least once per year (annually) until a secondary seal is installed. <i>{63.120(b)(1)(ii)}</i></p> <p>d. External Floating Roof, double seals:</p> <ul style="list-style-type: none"> • Gaps between vessel wall and primary seal shall be measured every 5 years during hydrostatic testing, <i>{63.120(b)(1)(i)}</i> • Gap between wall and secondary seal shall be measured yearly <i>{63.120(b)(1)(iii)}</i>, and Roof, both seals & fittings shall be visually inspected when emptying/degassing (non specified frequency). <i>{63.120(b)(10)}</i> <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. <i>{63.120(d)(1) & (6)}</i></p>
63.655(i)(1)	The operator shall comply with recordkeeping requirements in Section 63.123.

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SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #3A 06-20-2013]

4. The operator shall comply with the reporting requirements specified in 40CFR63 Subpart CC, Section 63.655(e), (f) & (g).
5. The operator shall comply with other requirements specified in 40CFR63 Subpart CC, Section 63.646(f) as follows:
 - a. Cover or lid on an opening on a floating roof,
 - b. 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
 - c. 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 63.655(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)}*

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SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #4 06-20-2013]

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"> a. Tanks and alternative standards for tanks. {61.343 & 61.351} b. Surface impoundments standards. {61.344} c. Containers standards. {61.345} d. Individual drain system standards. {61.346} e. Oil-water separator and alternative standards for oil-water separator. {61.347 & 61.352} f. Treatment process standards. {61.348} g. Closed-vent systems and control devices standards. {61.349} h. Allowance for delay of repair of equipment. {61.350}
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.
63.655	5. <u>Reporting and Recordkeeping Requirements</u> : The operator shall comply with reporting and recordkeeping requirements in Sections 61.356 and 61.357.

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SECTION J: AIR TOXICS [40CFR 63 Subpart CC, #5A 06-20-2013]

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"> 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"> a. Pumps in light liquid service. {60.482-2} b. Compressors. {60.482-3} c. Pressure relief devices in gas/vapor service. {60.482-4} d. Sampling connection systems. {60.482-5} e. Open-ended valves or lines. {60.482-6} f. Valves in gas/vapor and light liquid service. {60.482-7} 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} h. Allowance for delay of repair of equipment. {60.482-9} i. Closed vent systems and control devices. {60.482-10} 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.
63.648(b)	<ol style="list-style-type: none"> 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.
63.655(d)(1)	<ol style="list-style-type: none"> 4. <u>Recordkeeping and Reporting Requirements:</u> The operator shall comply with recordkeeping and semiannual reporting

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[40CFR 63 Subpart CC, #5A 06-20-2013]**

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 standards promulgated before September 4, 2007 as well as 40CFR63 Subpart CC. *{40CFR63 Subpart CC, Section 63.640(p)(1)}*

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4. The operator shall comply with 40CFR60 Subpart GGGa requirements for existing equipment leaks that are subject to 40CFR63 Subpart CC as well as 40CFR Subpart GGGa. *{40CFR63 Subpart CC, Section 63.640(p)(2)}*

5. The operator shall comply with all applicable requirements of 40CFR63 Subpart CC Section 63.654 by the following applicable compliance date:
 - October 29, 2012, for sources constructed or reconstructed after 8/18/98 but before 9/4/07. *{63.640(h)(1)(i)}*
 - October 28, 2009 or upon initial startup, whichever is later, for sources constructed or reconstructed after 9/4/07. *{63.640(h)(1)(ii)}*

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SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #4 04-20-2006]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: SULFUR RECOVERY UNITS

1. The operator shall comply with the applicable general requirements of Sections 63.1 through 63.15 of Subpart A and Section 63.1570 of Subpart UUU.
2. The operator shall comply with the applicable notification, reporting, and recordkeeping requirements of Sections 63.1574, 63.1575, and 63.1576, respectively.
3. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).
4. The operator shall submit all required reports, notifications, plans, submittals and other communications required by 40CFR63 Subpart A or Subpart UUU to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX, where applicable (see addresses in Sections E and K of this permit).
5. The operator shall submit to AQMD all plan applications (i.e. operation, maintenance, and monitoring plans) and applications for permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart UUU, as a Title V permit revision for the approval by the Executive Officer.
6. The operator shall comply with the following standard(s) for SRUs:

Emission and Operating Limits for SRUs (§ 63.1568)*

Control Type	Emission Limitation (0% excess air)	Operating Limit
Oxidation or reduction control system followed by incineration	SO2 emissions must not exceed 250 ppmvd	n/a
Reduction control system without incineration	Reduced sulfur compounds (calculated as SO2) must not exceed 300 ppmvd	n/a

**Applicable to all existing Claus SRUs that are part of a SRP of 20 long tons/day or more and are subject to the NSPS for sulfur oxides in 40 CFR 60.104(a)(2).*

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SECTION J: AIR TOXICS [40CFR 63 Subpart UUU, #4 04-20-2006]

7. The operator shall comply with the following standard(s) for Bypass Lines:

Work Practice Standards for Bypass Lines (§ 63.1569)*

Work Practice Standard
Install a car-seal or lock- and-key device placed on the mechanism by which the bypass device flow position is controlled (e.g., valve handle, damper level) when the bypass device is in the closed position such that the bypass line valve cannot be opened without breaking the seal or removing the device.
Seal the bypass line by installing a solid blind between piping flanges.

**Each bypass line that could vent an affected vent stream away from a control device used to comply with the requirements of this subpart.*

8. The operator shall comply with the following applicable initial and continuous compliance demonstration requirements:

Source Type	HAP Type	Initial Compliance	Continuous Compliance
SRU	HAP	Compliance with all applicable requirements of § 63.1568(b) including installation of a continuous SO ₂ monitoring system and completion of a performance test.	Compliance with all applicable requirements of § 63.1568(c) including demonstration of compliance with the SO ₂ 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.

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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)]

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION K: TITLE V Administration

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.
 - (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)]

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SECTION K: TITLE V Administration

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)]

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)]

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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 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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance 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]

¹ "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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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.

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- (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.
- (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;

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

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- (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)]

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 TitleV application file. [3004(a)(4)]

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FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Federally enforceable
RULE 1110.2	2-1-2008	Federally enforceable
RULE 1110.2	9-7-2012	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1118	11-4-2005	Federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1123	12-7-1990	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1149	5-2-2008	Federally enforceable
RULE 1158	6-11-1999	Federally enforceable
RULE 1158	7-11-2008	Non federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1173	2-6-2009	Federally enforceable
RULE 1176	9-13-1996	Federally enforceable
RULE 1178	4-7-2006	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1189	1-21-2000	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
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
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 1402	3-4-2005	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1411	3-1-1991	Non federally enforceable
RULE 1415	12-3-2010	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 1470(h)(15)	11-3-2006	Non federally enforceable
RULE 2004	4-6-2007	Federally enforceable
RULE 2005	6-3-2011	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	5-3-2013	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	2-6-2004	Non federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	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	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-1-2012	Non federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 304	6-1-2012	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 403	6-3-2005	Federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 461	4-6-2012	Non federally enforceable
RULE 461	6-3-2005	Federally enforceable
RULE 463	11-4-2011	Federally enforceable
RULE 465	8-13-1999	Federally enforceable
RULE 468	10-8-1976	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
CA PRC CEQA	11-23-1970	Non federally enforceable
40CFR 60 Subpart A	9-13-2010	Federally enforceable
40CFR 60 Subpart GGG	6-2-2008	Federally enforceable
40CFR 60 Subpart GGGa	6-2-2008	Federally enforceable
40CFR 60 Subpart IIII	1-30-2013	Federally enforceable
40CFR 60 Subpart J	9-12-2012	Federally enforceable
40CFR 60 Subpart K	10-17-2000	Federally enforceable
40CFR 60 Subpart Ka	12-14-2000	Federally enforceable
40CFR 60 Subpart Kb	10-15-2003	Federally enforceable
40CFR 60 Subpart QQQ	10-17-2000	Federally enforceable
40CFR 61 Subpart A	1-11-2013	Federally enforceable
40CFR 61 Subpart FF	12-4-2003	Federally enforceable
40CFR 61 Subpart FF, #1	12-4-2003	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
40CFR 63 Subpart A	6-25-2013	Federally enforceable
40CFR 63 Subpart CC	6-20-2013	Federally enforceable
40CFR 63 Subpart CC, #2	6-20-2013	Federally enforceable
40CFR 63 Subpart CC, #3A	6-20-2013	Federally enforceable
40CFR 63 Subpart CC, #4	6-20-2013	Federally enforceable
40CFR 63 Subpart CC, #5A	6-20-2013	Federally enforceable
40CFR 63 Subpart DDDDD	1-31-2013	Federally enforceable
40CFR 63 Subpart EEEE	7-28-2006	Federally enforceable
40CFR 63 Subpart UUU, #4	4-20-2006	Federally enforceable
40CFR 63 Subpart ZZZZ	1-30-2013	Federally enforceable
40CFR 68 - Accidental Release Prevention	4-9-2004	Federally enforceable
40CFR 82 Subpart F	6-25-2013	Federally enforceable
40CFR 89 Subpart B	10-30-2009	Federally enforceable
40 CFR 64	11-21-1997	Federally enforceable
CONSENT DECREE CIVIL NO. H-05-0258	8-11-2008	Federally enforceable

**FACILITY PERMIT TO OPERATE
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**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219**

1. INTERNAL COMBUSTION ENGINES, GASOLINE FUELED
2. SPACE HEATERS, NATURAL GAS
3. INTERNAL COMBUSTION ENGINES, DIESEL FUELED

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates, cont.								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

**FACILITY PERMIT TO OPERATE
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]**

- (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

- (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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

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		

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

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
Nonflat High Gloss	250		150				50	
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
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]**

**TABLE OF STANDARDS (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repack, apply, store at a worksite, or solid the application of any architectural coating within in the District:
 - (A) That is listed in the Table of Standards 1 and 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; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

TABLE OF STANDARDS 1 VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges ³		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial/Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			

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**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1113 09-06-2013]**

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

- 1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
- 2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
- 3 Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT ADDED TO	Limit ⁴
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	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	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(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:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	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	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

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

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

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
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
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

**FACILITY PERMIT TO OPERATE
 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

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	
		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		
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 PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

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

FACILITY PERMIT TO OPERATE PHILLIPS 66 COMPANY/LOS ANGELES REFINERY

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

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
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
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