FACILITY PERMIT TO OPERATE

TESORO REFINING AND MARKETING CO, LLC
2101 E PACIFIC COAST HWY
WILMINGTON, CA 90744

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	TESORO REFINING AND MARKETING CO, LLC
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	2101 E PACIFIC COAST HWY WILMINGTON, CA 90744-2914
MAILING ADDRESS:	2101 E PACIFIC COAST HWY WILMINGTON, CA 90744-2914
RESPONSIBLE OFFICIAL:	DAVID L. FOSTER
TITLE:	VP TESORO LOS ANGELES REFINERY
TELEPHONE NUMBER:	(310) 847-5209
CONTACT PERSON:	ROYANN WINCHESTER
TITLE:	ENVIRONMENTAL ENGINEER
TELEPHONE NUMBER:	(310) 522-6125
TITLE V PERMIT ISSUED:	June 02, 2015
TITLE V PERMIT EXPIRATION DATE:	June 01, 2020

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

FACILITY PERMIT TO OPERATE
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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 (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2012	6/2013	Coastal	0	0	0
7/2012	6/2013	Inland	0	0	0
1/2013	12/2013	Coastal	750170	0	0
7/2013	6/2014	Coastal	0	115085	0
1/2013	12/2013	Inland	0	15440	0
7/2013	6/2014	Inland	0	594111	0
1/2014	12/2014	Coastal	750170	401609	0
7/2014	6/2015	Coastal	0	300431	0
1/2014	12/2014	Inland	0	66174	0
7/2014	6/2015	Inland	0	594111	0
1/2015	12/2015	Coastal	750170	370072	0
7/2015	6/2016	Coastal	0	305437	0
1/2015	12/2015	Inland	0	66174	0
7/2015	6/2016	Inland	0	594111	0
1/2016	12/2016	Coastal	750170	370072	0
7/2016	6/2017	Coastal	0	305437	0
1/2016	12/2016	Inland	0	66174	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.

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7/2016	6/2017	Inland	0	594111	0
1/2017	12/2017	Coastal	750170	370072	0
7/2017	6/2018	Coastal	0	305437	0
1/2017	12/2017	Inland	0	66174	0
7/2017	6/2018	Inland	0	594111	0
1/2018	12/2018	Coastal	750170	370072	0
7/2018	6/2019	Coastal	0	305437	0
1/2018	12/2018	Inland	0	66174	0
7/2018	6/2019	Inland	0	594111	0
1/2019	12/2019	Coastal	750170	370072	0
7/2019	6/2020	Coastal	0	305437	0
1/2019	12/2019	Inland	0	66174	0
7/2019	6/2020	Inland	0	594111	0
1/2020	12/2020	Coastal	750170	370072	0
7/2020	6/2021	Coastal	0	305437	0
1/2020	12/2020	Inland	0	66174	0
7/2020	6/2021	Inland	0	594111	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.

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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 (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2021	12/2021	Coastal	750170	370072	0
7/2021	6/2022	Coastal	0	305437	0
1/2021	12/2021	Inland	0	66174	0
7/2021	6/2022	Inland	0	594111	0
1/2022	12/2022	Coastal	750170	370072	0
7/2022	6/2023	Coastal	0	305437	0
1/2022	12/2022	Inland	0	66174	0
7/2022	6/2023	Inland	0	594111	0
1/2023	12/2023	Coastal	750170	370072	0
7/2023	6/2024	Coastal	0	305437	0
1/2023	12/2023	Inland	0	66174	0
7/2023	6/2024	Inland	0	594111	0
1/2024	12/2024	Coastal	750170	370072	0
7/2024	6/2025	Coastal	0	305437	0
1/2024	12/2024	Inland	0	66174	0
7/2024	6/2025	Inland	0	594111	0
1/2025	12/2025	Coastal	750170	370072	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.

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RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2025	6/2026	Coastal	0	305437	0
1/2025	12/2025	Inland	0	66174	0
7/2025	6/2026	Inland	0	594111	0
1/2026	12/2026	Coastal	750170	370072	0
7/2026	6/2027	Coastal	0	305437	0
1/2026	12/2026	Inland	0	66174	0
7/2026	6/2027	Inland	0	594111	0
1/2027	12/2027	Coastal	750170	370072	0
7/2027	6/2028	Coastal	0	305437	0
1/2027	12/2027	Inland	0	66174	0
7/2027	6/2028	Inland	0	594111	0
1/2028	12/2028	Coastal	750170	370072	0
7/2028	6/2029	Coastal	0	305437	0
1/2028	12/2028	Inland	0	66174	0
7/2028	6/2029	Inland	0	594111	0
1/2029	12/2029	Coastal	750170	370072	0
7/2029	6/2030	Coastal	0	305437	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.

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Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2029	12/2029	Inland	0	66174	0
7/2029	6/2030	Inland	0	594111	0
1/2030	12/2030	Coastal	750170	370072	0
1/2030	12/2030	Inland	0	66174	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.

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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.

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RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Credits (NTCs) (pounds)
7/2012	6/2013	Coastal	0	340428	
1/2013	12/2013	Coastal	381905	59351	
7/2013	6/2014	Coastal	0	258116	
1/2013	12/2013	Inland	0	31512	
1/2014	12/2014	Coastal	381905	176732	
7/2014	6/2015	Coastal	0	321411	
1/2014	12/2014	Inland	0	27650	
1/2015	12/2015	Coastal	381905	213926	
7/2015	6/2016	Coastal	0	321411	
1/2015	12/2015	Inland	0	27650	
1/2016	12/2016	Coastal	381905	213926	
7/2016	6/2017	Coastal	0	321411	
1/2016	12/2016	Inland	0	27650	
1/2017	12/2017	Coastal	381905	184051	29875
7/2017	6/2018	Coastal	0	276526	44885
1/2017	12/2017	Inland	0	23789	3861
1/2018	12/2018	Coastal	381905	184051	29875

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Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Credits (NTCs) (pounds)
7/2018	6/2019	Coastal	0	276526	44885
1/2018	12/2018	Inland	0	23789	3861
1/2019	12/2019	Coastal	381905	163145	50781
7/2019	6/2020	Coastal	0	245116	76295
1/2019	12/2019	Inland	0	21087	6564
1/2020	12/2020	Coastal	381905	163145	
7/2020	6/2021	Coastal	0	245116	
1/2020	12/2020	Inland	0	21087	
1/2021	12/2021	Coastal	381905	163145	
7/2021	6/2022	Coastal	0	245116	
1/2021	12/2021	Inland	0	21087	
1/2022	12/2022	Coastal	381905	163145	
7/2022	6/2023	Coastal	0	245116	
1/2022	12/2022	Inland	0	21087	
1/2023	12/2023	Coastal	381905	163145	
7/2023	6/2024	Coastal	0	245116	
1/2023	12/2023	Inland	0	21087	

Footnotes:

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

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Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC [1] Holding as of 06/02/2015 (pounds)	Non-Tradable [2] Credits (NTCs) (pounds)
1/2024	12/2024	Coastal	381905	163145	
7/2024	6/2025	Coastal	0	245116	
1/2024	12/2024	Inland	0	21087	
1/2025	12/2025	Coastal	381905	163145	
7/2025	6/2026	Coastal	0	245116	
1/2025	12/2025	Inland	0	21087	
1/2026	12/2026	Coastal	381905	163145	
7/2026	6/2027	Coastal	0	245116	
1/2026	12/2026	Inland	0	21087	
1/2027	12/2027	Coastal	381905	163145	
7/2027	6/2028	Coastal	0	245116	
1/2027	12/2027	Inland	0	21087	
1/2028	12/2028	Coastal	381905	163145	
7/2028	6/2029	Coastal	0	245116	
1/2028	12/2028	Inland	0	21087	
1/2029	12/2029	Coastal	381905	163145	
7/2029	6/2030	Coastal	0	245116	

Footnotes:

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

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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 (month/year)	Year End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC Holding as of 06/02/2015 (pounds) [1]	Non-Tradable Credits (NTCs) (pounds) [2]
1/2029	12/2029	Inland	0	21087	
1/2030	12/2030	Coastal	381905	163145	
1/2030	12/2030	Inland	0	21087	

Footnotes:

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

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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 Begin (month/year)	Year End (month/year)	Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
1/1994	12/1994	Coastal	3077340	248242

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Year Begin (month/year)	Year End (month/year)	Zone	SOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
1/1994	12/1994	Coastal	1589708	0

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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					P13.1
System 1: CRUDE DISTILLATION UNIT					S13.4, S15.2
FRACTIONATOR, V-1366, CRUDE, HEIGHT: 121 FT ; DIAMETER: 13 FT 6 IN A/N: 469239	D898				
ACCUMULATOR, REFLUX, V-1367, LENGTH: 24 FT ; DIAMETER: 10 FT 6 IN A/N: 469239	D1125				
ACCUMULATOR, V-1368, NAPHTHA, HEIGHT: 18 FT 6 IN; DIAMETER: 8 FT A/N: 469239	D1				
COLUMN, STRIPPER, V-1369, BURNER OIL DISTILLATE, HEIGHT: 46 FT ; DIAMETER: 4 FT A/N: 469239	D1126				
COLUMN, STRIPPER, V-1370, LAGO, HEIGHT: 46 FT ; DIAMETER: 4 FT A/N: 469239	D1127				
COLUMN, STRIPPER, V-1371, HAGO, HEIGHT: 20 FT ; DIAMETER: 4 FT A/N: 469239	D1128				
DRUM, CRUDE FLASH, V-1372, HEIGHT: 31 FT 6 IN; DIAMETER: 13 FT 6 IN A/N: 469239	D1129				
KNOCK OUT POT, V-1983, NAPHTHA/WATER PUMP SEPARATOR, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT A/N: 469239	D1690				

* (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					P13.1
KNOCK OUT POT, V-1376, CRUDE, LENGTH: 21 FT ; DIAMETER: 13 FT 6 IN A/N: 469239	D4				
DRUM, DECOKING QUENCH, V-1389, HEIGHT: 12 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 469239	D1131				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469239	D1354			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 2: LIGHT ENDS FRACTIONATION					S13.4, S15.2, S15.3
COLUMN, DEBUTANIZER, V-1379, HEIGHT: 80 FT ; DIAMETER: 8 FT A/N: 469240	D5				
ACCUMULATOR, V-1380, DEBUTANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 469240	D6				
COLUMN, SPLITTER, V-1381, NAPHTHA, HEIGHT: 80 FT ; DIAMETER: 6 FT A/N: 469240	D7				
ACCUMULATOR, V-1382, NAPHTHA SPLITTER OVERHEAD, LENGTH: 12 FT ; DIAMETER: 5 FT 6 IN A/N: 469240	D8				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469240	D1355			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 3: CRUDE DISTILLATION 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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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					P13.1
HEATER, CRUDE, H-1, PROCESS GAS, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 198.98 MMBTU/HR WITH A/N: 509444 BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR-17, WITH LOW NOX BURNER, 12 TOTAL; 198.98 MMBTU/HR	D9	D76 D77 C764	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 35 PPMV (5) [**RULE 1303(a)(1)-BACT, 5-10-1996**]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.10, A99.17, A305.1, B61.1, D28.3, D90.7, H23.3
SELECTIVE CATALYTIC REDUCTION, ENGLEHARD, W/ A FIXED BED REACTOR, VANADIA-TITANIA CATALYST, HONEYCOMB TYPE, 480 CU.FT. WITH A/N: 469241 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C764	D9 S1356		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, E71.7
STACK A/N: 469241	S1356	C764			
System 4: CRUDE DESALTER					S31.3
VESSEL, DESALTER, V-2183, FIRST STAGE, HEIGHT: 20 FT ; DIAMETER: 16 FT A/N: 470262	D1478				
VESSEL, DESALTER, V-2184, SECOND STAGE, HEIGHT: 20 FT ; DIAMETER: 16 FT A/N: 470262	D1479				

* (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 1: CRUDE DISTILLATION					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470262	D1682			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-23-2003**]	H23.16
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 1: DELAYED COKING UNIT (DCU)					S13.4, S15.2, S15.9, S15.10, S31.1
FRACTIONATOR, FC-105 (V-900), HEIGHT: 147 FT 9 IN; DIAMETER: 16 FT A/N: 501288	D10				
COLUMN, STRIPPER, FC-106 (V-902), LIGHT GAS-OIL, HEIGHT: 25 FT ; DIAMETER: 4 FT 6 IN A/N: 501288	D1132				
COLUMN, STRIPPER, FC-107 (V-903), INTERMEDIATE GAS-OIL, HEIGHT: 25 FT ; DIAMETER: 4 FT 6 IN A/N: 501288	D1133				
COLUMN, STRIPPER, FC-108 (V-904), HEAVY GAS-OIL, HEIGHT: 25 FT ; DIAMETER: 4 FT 6 IN A/N: 501288	D1134				
DRUM, FLASH, FC-131 (V-927), FRESH FEED, LENGTH: 33 FT ; DIAMETER: 15 FT A/N: 501288	D11				
DRUM, SURGE, FC-135 (V-931), LGO, HEIGHT: 16 FT ; DIAMETER: 3 FT 6 IN A/N: 501288	D1135				

* (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
TESORO REFINING AND MARKETING CO, LLC

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					P13.1
VESSEL, DESALTER, FC-137 (V-933), LENGTH: 90 FT ; DIAMETER: 12 FT A/N: 501288	D1136				
DRUM, COKER HEATER SURGE, FC-146 (V-901), HEIGHT: 18 FT 6 IN; DIAMETER: 16 FT A/N: 501288	D1137				
SUMP, GLAND OIL, WIDTH: 5 FT ; DEPTH: 7 FT ; LENGTH: 5 FT A/N: 501288	D1141				
ACCUMULATOR, FRACTIONATOR OVERHEAD, FC-109 (V-905), LENGTH: 36 FT ; DIAMETER: 10 FT A/N: 501288	D15				
SCRUBBER, COMPRESSOR SUCTION, FC-110 (V-906), HEIGHT: 8 FT ; DIAMETER: 7 FT 6 IN A/N: 501288	D16				
ACCUMULATOR, FIRST STAGE DISCHARGE, FC-111 (V-907), LENGTH: 10 FT ; DIAMETER: 5 FT 6 IN A/N: 501288	D17				
ACCUMULATOR, SECOND STAGE DISCHARGE, FC-112 (V-908), LENGTH: 10 FT ; DIAMETER: 4 FT 6 IN A/N: 501288	D18				
ABSORBER, SPONGE OIL, FC-114 (V-910), HEIGHT: 57 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 501288	D1143				

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
VESSEL, WATER COALESCER, V-2379, LENGTH: 12 FT 2 IN; DIAMETER: 4 FT A/N: 501288	D1661				
DRUM, COKE, FC-100-103 (V-895-898), 4 TOTAL, HEIGHT: 68 FT ; DIAMETER: 26 FT A/N: 501288	D20			**PM**: (9) [**RULE 405, 2-7-1986**]	E336.3
ACCUMULATOR, FC-126 (V-922), COKE DRUM CONDENSATE, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 501288	D1147				
COLUMN, DEBUTANIZER, FC-115 (V-911), HEIGHT: 85 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 501288	D906				
ACCUMULATOR, DEBUTANIZER OVERHEAD, FC-116 (V-912), LENGTH: 19 FT ; DIAMETER: 6 FT A/N: 501288	D24				
COLUMN, DEPROPANIZER, FC-117 (V-913), HEIGHT: 93 FT 1 IN; DIAMETER: 5 FT A/N: 501288	D25				
ACCUMULATOR, DEPROPANIZER OVERHEAD, FC-118 (V-914), LENGTH: 11 FT ; DIAMETER: 4 FT 4 IN A/N: 501288	D900				
COLUMN, SPLITTER, FC-119 (V-915), NAPHTHA, HEIGHT: 84 FT 1 IN; DIAMETER: 7 FT A/N: 501288	D26				

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

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					P13.1
ACCUMULATOR, NAPHTHA SPLITTER OVERHEAD, FC-120 (V-916), HEIGHT: 14 FT ; DIAMETER: 5 FT 6 IN A/N: 501288	D27				
SCRUBBER, V-917, SPONGE OIL ABSORBER GAS, HEIGHT: 8 FT ; DIAMETER: 3 FT 6 IN A/N: 501288	D1149				
ABSORBER, AMINE, FC-122 (V-918), RESIDUE GAS, HEIGHT: 40 FT ; DIAMETER: 3 FT A/N: 501288	D28				
SCRUBBER, RESIDUE GAS, FC-123 (V-919), HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 501288	D1088				
ABSORBER, AMINE, FC-124 (V-920), PROPANE/PROPYLENE, HEIGHT: 30 FT ; DIAMETER: 5 FT A/N: 501288	D29				
VESSEL, SEPARATOR, FC-130 (V-926), AMINE, LENGTH: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 501288	D30				
DRUM, FLASH, FC-147 (V-942), RICH AMINE, LENGTH: 15 FT ; DIAMETER: 8 FT 6 IN A/N: 501288	D31				
PIT, COKE, WITH FOUR COKE DRUM CHUTES, WIDTH: 36 FT ; HEIGHT: 21 FT ; LENGTH: 585 FT A/N: 501288	D1151			**PM**: (9) [**RULE 405, 2-7-1986**]	

* (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
TESORO REFINING AND MARKETING CO, LLC

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					P13.1
COMPRESSOR, OVERHEAD, C-145 A/N: 501288	D901				H23.4
VESSEL, H-100/101, FUEL GAS, 2 TOTAL A/N: 501288	D904				
COMPRESSOR, C-87 (PC-100), WITH TANDEM GAS SEALS A/N: 501288	D969				
DRUM, RICH OIL FLASH DRUM, V-2332, LENGTH: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 501288	D1567				
HEAT EXCHANGER, PROPANE VAPORIZER E-1465 A/N: 501288	D1616				
COLUMN, DEETHANIZER, FC-113 (V-909), HEIGHT: 104 FT 2 IN; DIAMETER: 8 FT 6 IN A/N: 501288	D19				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501288	D1357			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 2: DCU 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
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FACILITY PERMIT TO OPERATE
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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					P13.1
HEATER, H-101, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 218.4 MMBTU/HR WITH A/N: 509460 BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR-10, WITH LOW NOX BURNER, 80 TOTAL; 218.4 MMBTU/HR	D32		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 35 PPMV (5A) [**RULE 1303(a)(1)-BACT, 5-10-1996**]; **CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 24.7 LBS/HR (7) [**RULE 2005, 6-3-2011**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.2, A99.18, B61.1, D28.3, D90.7, E193.5, H23.3
HEATER, H-100, PROCESS GAS, REFINERY GAS, 252 MMBTU/HR A/N: 469243	D33	D76 D77 C768 S987	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, D90.7, D328.1, E54.9, E54.17, H23.3
SELECTIVE CATALYTIC REDUCTION, ENGLEHARD, W/ A FXD BED REACTOR, VANADIA-TITANIA CATALYST, HONEYCOMB TYPE, 635 CU.FT. WITH A/N: 469253 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C768	D33 S987		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, E71.7
STACK A/N: 469253	S987	D33 C768			
System 3: MEROX TREATING UNIT FOR DCU					S13.4, S15.2, S15.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
VESSEL, CAUSTIC PREWASH, FC-600 (V-881), HEIGHT: 20 FT ; DIAMETER: 5 FT 6 IN A/N: 469263	D52				
VESSEL, EXTRACTOR, FC-601 (V-882), HEIGHT: 48 FT ; DIAMETER: 4 FT 6 IN A/N: 469263	D54				
OXIDIZER, FC-602 (V-883), HEIGHT: 18 FT ; DIAMETER: 3 FT 6 IN A/N: 469263	D907				
VESSEL, SEPARATOR, FC-603 (V-884), DISULFIDE, WITH MIST ELIMINATOR, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 469263	D56				
REACTOR, MEROX, FC-605 (V-886), HEIGHT: 25 FT ; DIAMETER: 6 FT A/N: 469263	D58			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
SETTLING TANK, FC-606 (V-887), CAUSTIC, LENGTH: 22 FT ; DIAMETER: 6 FT A/N: 469263	D60				
FILTER, SAND, FC-607 (V-888), HEIGHT: 14 FT ; DIAMETER: 6 FT A/N: 469263	D62				
POT, LIQUID CATALYST ADDITION, FC-608, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 469263	D1154				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469263	D1359			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 6: DCU BLOWDOWN RECOVERY SYSTEM					S13.4, S15.2, S15.3, S15.11, S31.4
ACCUMULATOR, BLOWDOWN, FC-127 (V-923), LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 520770	D53				
POT, STEAM CONDENSATE, V-X103, HEIGHT: 5 FT ; DIAMETER: 2 FT A/N: 520770	D1684				
VESSEL, BLOWDOWN CONTACTOR, FC-128 (V-924), HEIGHT: 40 FT ; DIAMETER: 16 FT A/N: 520770	D1152				
KNOCK OUT POT, DISCHARGE, V-1400, HEIGHT: 7 FT 8 IN; DIAMETER: 3 FT A/N: 520770	D63				
DRUM, FLARE SEAL, V-1613, LENGTH: 19 FT 6 IN; DIAMETER: 6 FT A/N: 520770	D65				
COMPRESSOR, C-137, BLOWDOWN FLARE GAS RECOVERY A/N: 520770	D68				H23.4
DRUM, V-1613, DCU FLARE SEAL, HEIGHT: 25 FT ; DIAMETER: 5 FT A/N: 520770	D1350				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 520770	D1361			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 7: DECOKING VENT GAS DISPOSAL					S13.4

* (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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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					P13.1
DRUM, DCU DECOKING QUENCH, V-938, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 469266	D76	D9 D33			
DRUM, CRUDE DECOKING QUENCH, V-1389, HEIGHT: 15 FT ; DIAMETER: 10 FT A/N: 469266	D77	D9 D33			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469266	D1367			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 8: COKE HANDLING, SCREENING AND LOADING					S7.1, S13.3
CONVEYOR, BELT, TUBE ENCLOSED, CB-37, PETROLEUM COKE, RECLAIM TRANSFER, 55 FEET LONG WITH ENCLOSED TRANSFER POINT A/N: 519994	D1698			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
HOPPER, RECEIVING, QQ-942, PETROLEUM COKE, PORTABLE A/N: 519994	D1155			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
STORAGE BUILDING, PETROLEUM COKE BARN A/N: 519994	D1438			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
FEEDER, SPREADER, QQ-943, PORTABLE, PETROLEUM COKE A/N: 519994	D1160			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-944, PETROLEUM COKE, PORTABLE A/N: 519994	D1156			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, 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
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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					P13.1
CONVEYOR, BELT, QQ-950, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 733 FEET LONG A/N: 519994	D1157			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-951, PETROLEUM COKE, COVERED, 33 FEET LONG, WITH AN ENCLOSED TRANSFER POINT A/N: 519994	D1158			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-952, PETROLEUM COKE, COVERED, 414 FEET LONG, WITH AN ENCLOSED TRANSFER POINT A/N: 519994	D1159			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
HOPPER, SCREEN FEED, QQ-972-75, 4 TOTAL, PETROLEUM COKE, EACH 60 TONS A/N: 519994	D34			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-968-971, 4 TOTAL, PETROLEUM COKE, COVERED, EACH 14 FEET LONG A/N: 519994	D41			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
SCREEN, CLASSIFYING, QQ-964-967, PETROLEUM COKE, 4 TOTAL, DOUBLE-DECK VIBRATING TYPE, WIDTH: 8 FT ; LENGTH: 20 FT A/N: 519994	D45			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-954/955, 2 TOTAL, PETROLEUM COKE, COVERED, REVERSIBLE TYPE, EA. W/ AN ENCLOSED TRANSFER POINT, AND EA 61 FT LONG A/N: 519994	D49			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
CONVEYOR, QQ-960, PETROLEUM COKE, COVERED, SHUTTLE BELT TYPE, WITH AN ENCLOSED TRANSFER POINT, 80 FEET LONG A/N: 519994	D47			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
HOPPER, RAIL CAR LOADING, QQ-945, PETROLEUM COKE, THREE 45 TON CAPACITY SECTIONS WITH A/N: 519994 LOADING ARM, RAIL CAR, LOADING CHUTE, 3 TOTAL, PETROLEUM COKE, EACH WITH AN ELEVATION HOIST AND AN EXTENSION DRIVE	D1162			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-956, PETROLEUM COKE, COVERED, WITH AN ENCLOSED TRANSFER TOWER, 255 FEET LONG A/N: 519994	D1161			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-957, PETROLEUM COKE, COVERED, WITH AN ENCLOSED TRANSFER POINT, 152 FEET LONG A/N: 519994	D1164			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, QQ-958, PETROLEUM COKE, SHUTTLE BELT TYPE, 52 FEET LONG, WITH A FEEDER A/N: 519994	D1165			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
System 9: COKE HANDLING					S7.2, S13.3

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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
CONVEYOR, BELT, CB-36, PETROLEUM COKE, WITH A WIPER SYSTEM AND AN ENCLOSED TRANSFER POINT, 30 FEET LONG A/N: 519996	D1699			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
LOADING ARM, COKE PIT BRIDGE CRANE, QQ-109, PETROLEUM COKE, WITH A CLAMSHELL LOADER, 6 CU.YD. WITH A/N: 519996 HOPPER, RECEIVING, PETROLEUM COKE FEEDER, GRIZZLY BAR, PETROLEUM COKE CRUSHER, DOUBLE-ROLL TYPE, PETROLEUM COKE FEEDER, VIBRATING TYPE, PETROLEUM COKE	D1170			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-916, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 294 FEET LONG A/N: 519996	D1093			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-917, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 602 FEET LONG A/N: 519996	D1094			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1

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(5) (5A) (5B) Denotes command and control emission limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
CONVEYOR, BELT, QQ-918, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 422 FEET LONG A/N: 519996	D1173			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-919, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 496 FEET LONG A/N: 519996	D1174			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-920, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 1144 FEET LONG A/N: 519996	D1175			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
CONVEYOR, BELT, QQ-921, PETROLEUM COKE, WITH A WIPER SYSTEM AND AN ENCLOSED TRANSFER POINT, 300 FEET LONG A/N: 519996	D1176			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.6, D323.1
System 10: VACUUM DISTILLATION					S13.4, S15.2, S31.5
VESSEL, VACUUM JET HOT WELL, FC-132 (V-928), LENGTH: 20 FT ; DIAMETER: 4 FT A/N:	D13				
ABSORBER, AMINE, FC-160 (V-937), VACUUM VENT GAS, HEIGHT: 28 FT 6 IN; DIAMETER: 3 FT A/N:	D14				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1557			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
System 1: FCCU RECOVERY SECTION					S13.4, S15.2, S15.12, S31.1
ABSORBER, V-406, HEIGHT: 64 FT 4 IN; DIAMETER: 4 FT 6 IN A/N:	D78				
TOWER, SPLITTER, HEAVY NAPHTHA, V-407, HEIGHT: 47 FT ; DIAMETER: 5 FT 6 IN A/N:	D1267				
TOWER, RERUN, V-408, HEIGHT: 82 FT ; DIAMETER: 7 FT A/N:	D1268				
TOWER, SPLITTER, LIGHT NAPHTHA, V-409, HEIGHT: 60 FT ; DIAMETER: 8 FT 6 IN A/N:	D1269				
COLUMN, DEPROPANIZER, V-410, HEIGHT: 80 FT ; DIAMETER: 6 FT A/N:	D908				
ACCUMULATOR, V-413, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N:	D79				
DRUM, V-414, RERUN REFLUX A/N:	D915				
ACCUMULATOR, V-415, SPLITTER TOWER REFLUX, HEIGHT: 19 FT ; DIAMETER: 5 FT 7 IN A/N:	D80				
ACCUMULATOR, V-416, DEPROPANIZER TOWER REFLUX, LENGTH: 19 FT ; DIAMETER: 6 FT 6 IN A/N:	D81				

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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
DRUM, DRYING, LOW PRESSURE, V-419, HEIGHT: 20 FT ; DIAMETER: 10 FT A/N:	D82				
VESSEL, SEPARATOR, HIGH PRESSURE, V-422, LENGTH: 19 FT ; DIAMETER: 8 FT A/N:	D83				
VESSEL, SURGE, V-423, AVGAS CHARGE, HEIGHT: 19 FT ; DIAMETER: 7 FT 7 IN A/N:	D84				
DRUM, DRYING, V-424, RERUN TOWER GAS, HEIGHT: 10 FT ; DIAMETER: 3 FT 6 IN A/N:	D85				
KNOCK OUT POT, FLARE, V-431, LENGTH: 13 FT ; DIAMETER: 6 FT A/N:	D1271				
DRUM, PRESSURE RELIEVING SEAL, V-432, HEIGHT: 43 FT ; DIAMETER: 4 FT 4 IN A/N:	D86			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
POT, DEETHANIZER WATER DRAIN, V-547, HEIGHT: 6 FT ; DIAMETER: 1 FT 6 IN A/N:	D1273				
DRUM, WATER DRAW-OFF, V-675, LENGTH: 4 FT 8 IN; DIAMETER: 4 FT A/N:	D1275				

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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
KNOCK OUT POT, VAPOR RECOVERY, V-676, LENGTH: 4 FT 4 IN; DIAMETER: 2 FT A/N:	D1272				
KNOCK OUT POT, V-1100, NAPHTHA, LENGTH: 12 FT 6 IN; DIAMETER: 3 FT A/N:	D912				
TOWER, DEBUTANIZER, V-1547, HEIGHT: 100 FT 6 IN; DIAMETER: 7 FT A/N:	D1280				
COLUMN, DEETHANIZER, V-1548, HEIGHT: 12 FT 6 IN; DIAMETER: 6 FT A/N:	D910				
ACCUMULATOR, V-1549, DEBUTANIZER REFLUX, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N:	D913				
KNOCK OUT POT, V-1789, PROPANE/PROPYLENE, HEIGHT: 8 FT 6 IN; DIAMETER: 24 FT A/N:	D909				
COMPRESSOR, RERUN TOWER GAS, C-43/44, 2 TOTAL, 4 CYLINDERS A/N:	D87				
COMPRESSOR, C-142, WET GAS A/N:	D918				H23.4

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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
VESSEL, SEPARATOR, HIGH PRESSURE, V-2343, LENGTH: 22 FT ; DIAMETER: 8 FT A/N:	D1597				
VESSEL, SEPARATOR, SOUR WATER FLASH , V-2344, LENGTH: 25 FT ; DIAMETER: 8 FT 6 IN A/N:	D1598				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1365			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 2: FCCU CRACKING SECTION					S13.4, S15.2, S15.3, S15.12
FRACTIONATOR, V-386, WITH PRV TO ATMOSPHERE, HEIGHT: 62 FT ; DIAMETER: 16 FT A/N: 470269	D93				
COLUMN, STRIPPER 3, V-387, LIGHT CYCLE GAS OIL, HEIGHT: 18 FT 6 IN; DIAMETER: 3 FT A/N: 470269	D94				
ACCUMULATOR, V-388, FRACTIONATOR REFLUX, HEIGHT: 23 FT ; DIAMETER: 11 FT A/N: 470269	D95			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
HOPPER, FRESH CAT., V-389, HEIGHT: 41 FT 7 IN; DIAMETER: 30 FT A/N: 470269	D1283			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
HOPPER, USED CAT., V-390, HEIGHT: 41 FT 7 IN; DIAMETER: 30 FT A/N: 470269	D1284			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1

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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
HOPPER, 10-TON SOX CATALYST ADDITIVE, V-1703, HEIGHT: 41 FT 7 IN; DIAMETER: 30 FT A/N: 470269	D1532			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
REGENERATOR, V-404, WITH DENOX ADDITIVE, HEIGHT: 42 FT 6 IN; DIAMETER: 42 FT WITH A/N: 470269 BLOWER, B-19, COMBUSTION AIR, 4500 HP	D96	C1575 C1576 C1577	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 500 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #2, 4-20-2006**]; **PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **PM**: 2 LBS/TON (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **PM10**: 2.8 LBS/1000 BBLS (5A) [**RULE 1105.1, 11-7-2003**]; **PM10**: 3.6 LBS/HR (5) [**RULE 1105.1, 11-7-2003**]	A63.7, A99.4, A99.5, A195.3, A195.4, A195.5, A195.6, A195.8, B61.4, D28.8, D29.1, D82.2, D90.8, H23.32, H23.44
REACTOR, V-405, HEIGHT: 38 FT 9 IN; DIAMETER: 27 FT A/N: 470269	D97				
DRUM, DRYING, V-426, FUEL GAS, HEIGHT: 10 FT 6 IN; DIAMETER: 4 FT A/N: 470269	D919				
KNOCK OUT POT, FLARE DRUM, V-434, FCCU, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 470269	D749				

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
COLUMN, STRIPPER, V-494, INTERMEDIATE GAS OIL, HEIGHT: 18 FT 6 IN; DIAMETER: 3 FT A/N: 470269	D1285				
DRUM, FRESH CAT. LOADING, V-822, HEIGHT: 1 FT 8 IN; DIAMETER: 1 FT 6 IN A/N: 470269	D1287			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
DRUM, CO-LOW NOX PROMOTER LOADING, V-1355, HEIGHT: 1 FT 8 IN; DIAMETER: 1 FT 6 IN A/N: 470269	D1288			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
DRUM, HOT CHARGE SURGE, V-1364, HEIGHT: 35 FT 6 IN; DIAMETER: 14 FT A/N: 470269	D1289				
KNOCK OUT POT, V-641, CO BOILER FUEL GAS A/N: 470269	D916				
VESSEL, SEPARATOR, INTERMEDIATE, V-1696, (F-160) A/N: 470269	D917				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470269	D1366			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 3: FCCU HEATERS					

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
HEATER, H-2, REFINERY GAS, WITH LOW NOX BURNER, 37.4 MMBTU/HR WITH A/N: 469270 BURNER, 4 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 37.4 MMBTU/HR	D92		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 100.6 PPMV (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B61.1, D90.7, D328.2, H23.3
HEATER, H-3, REFINERY GAS, 94.7 MMBTU/HR WITH A/N: 470270 BURNER, REFINERY GAS, JOHN ZINK, MODEL HEVD-14, WITH LOW NOX BURNER, 52 TOTAL; 94.7 MMBTU/HR	D89	S50	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 0.1 LBS/MMBTU (5) [**CONSENT DECREE, 3-21-2001**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A229.1, B61.1, D90.7, D328.1, H23.3

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(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
TESORO REFINING AND MARKETING CO, LLC

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: FLUID CATALYTIC CRACKING (FCCU)					P13.1
HEATER, H-4, REFINERY GAS, 127.2 MMBTU/HR WITH A/N: 470271 BURNER, REFINERY GAS, JOHN ZINK, MODEL HEVD-14, WITH LOW NOX BURNER, 72 TOTAL; 127.2 MMBTU/HR	D90	S50	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 0.1 LBS/MMBTU (5) [**CONSENT DECREE, 3-21-2001**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A229.1, B61.1, D90.7, D328.1, H23.3
STACK A/N: 470271	S50	D89 D90			
HEATER, H-5, REFINERY GAS, 44 MMBTU/HR A/N: 469272	D91		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 83.8 PPMV REFINERY GAS (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B61.1, C1.15, D90.7, D328.1, E313.1, E315.1, H23.3
HEATER, START UP, B-1, NATURAL GAS, 84 MMBTU/HR A/N: 473467	D1664		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**]	
System 4: FCCU NAPHTHA TREATING					S13.4, S15.3
VESSEL, SEPARATOR, PHASE, V-1832, HEIGHT: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 469275	D99				
VESSEL, SEPARATOR, PHASE, V-1833, HEIGHT: 24 FT ; DIAMETER: 5 FT 6 IN A/N: 469275	D100				

* (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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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
POT, V-1835, FILM FIBER CONTACTOR, HEIGHT: 14 FT 6 IN; DIAMETER: 3 FT A/N: 469275	D104				
POT, V-1836, FILM-FIBER CONTACTOR, HEIGHT: 14 FT 6 IN; DIAMETER: 3 FT A/N: 469275	D105				
TANK, INHIBITOR, T-165, HEIGHT: 8 FT 6 IN; DIAMETER: 5 FT A/N: 469275	D1292				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469275	D1443			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 5: FCCU GAS TREATING					S13.4, S15.2, S18.5
SCRUBBER, H2S GAS, V-1680, LENGTH: 15 FT ; DIAMETER: 3 FT A/N: 469276	D1293				
KNOCK OUT POT, V-278, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 469276	D1294				
ABSORBER, PROPYLENE, V-1681, HEIGHT: 65 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 469276	D1295				
ABSORBER, H2S, V-1672, HEIGHT: 65 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 469276	D1296				
KNOCK OUT POT, V-569, NAPHTHA, HEIGHT: 13 FT ; DIAMETER: 3 FT A/N: 469276	D107				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
SCRUBBER, H2S GAS, V-1100, LENGTH: 15 FT ; DIAMETER: 3 FT A/N: 469276	D1297				
VESSEL, COALESCER, V-1551, PROPYLENE, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 469276	D103				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469276	D1444			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5
System 6: FCCU AIR POLLUTION CONTROL					S42.1
ELECTROSTATIC PRECIPITATOR, #3, SINGLE STAGE, ONE(1) CHAMBER, WITH 8 TRANSFORMER/RECTIFIER SETS, HAMON RESEARCH-COTTREL, 54 KVA WITH A/N: 470273	C1575	S51 D96 D112 S1105		**NH3**: 10 PPMV (5) [**RULE 1105.1, 11-7-2003**]	A195.2, C12.2, D29.8, D90.11, D90.12, D90.13, D90.14, D90.15, D323.3, E73.2, E193.3, E193.4
HOPPER, CATALYST FINES, 4 TOTAL					
BIN, HOLDING, CATALYST FINES, 1 TOTAL					
AMMONIA INJECTION, GRID					

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ELECTROSTATIC PRECIPITATOR, #4, SINGLE STAGE, ONE(1) CHAMBER, WITH 8 TRANSFORMER/RECTIFIER SETS, HAMON RESEARCH-COTTREL, 54 KVA WITH A/N: 470273 HOPPER, CATALYST FINES, 4 TOTAL BIN, HOLDING, CATALYST FINES, 1 TOTAL AMMONIA INJECTION, GRID	C1576	S51 D96 D112 S1105		**NH3**: 10 PPMV (5) [**RULE 1105.1, 11-7-2003**]	A195.2, D12.2, D29.8, D90.11, D90.12, D90.13, D90.14, D90.15, D323.3, E73.2, E193.3, E193.4

* (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ELECTROSTATIC PRECIPITATOR, #5, SINGLE STAGE, ONE(1) CHAMBER, WITH 8 TRANSFORMER/RECTIFIER SETS, MODEL HAMON RESEARCH-COTTREL, 54 KVA WITH A/N: 470273 HOPPER, CATALYST FINES, 4 TOTAL BIN, HOLDING, CATALYST FINES, 1 TOTAL AMMONIA INJECTION, GRID	C1577	S51 D96 D112 S1105		**NH3**: 10 PPMV (5) [**RULE 1105.1, 11-7-2003**]	A195.2, C12.2, D29.8, D90.11, D90.12, D90.13, D90.14, D90.15, D323.3, E73.2, E193.3, E193.4
HEAT EXCHANGER, CATALYST FINES A/N: 470273	D1580				
STACK A/N: 470273	S51	D112 C1575 C1576 C1577			
STACK, BY-PASS A/N: 470273	S1105	C1575 C1576 C1577			
System 8: FCCU CATALYST ADDITIVE LOADER					
VESSEL, CATALYST, V-2340, GRACE DAVISON, 6 CUFT VOLUME, LENGTH: 2 FT 3 IN; DIAMETER: 2 FT A/N: 469277	D1573			**PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	B27.1, E71.13

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
FILTER, DUST COLLECTOR, V-2342, WITH 2 FILTER CATRIDGE, 590 SQUARE FEET FILTER AREA, WITH AUTOMATIC AIR PULSE CLEANING AFTER EACH INJECTION A/N: 469277	C1574				C6.3, D322.2, D323.1, E102.1, K67.18
System 9: FCCU BOILER					
BOILER, BO-1, CO WASTE HEAT, REFINERY GAS, WITH LOW NOX BURNER, 300 MMBTU/HR WITH A/N: 470272 BURNER, REFINERY GAS, BABCOCK WILCOX, WITH LOW NOX BURNER, 6 TOTAL; 300 MMBTU/HR	D112	S51 C1575 C1576 C1577	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.4, B61.1, D90.7, D328.1, H23.3
Process 4: HYDROTREATING					P13.1
System 1: HYDROTREATING UNIT NO. 1					S13.4, S15.2, S15.3, S15.13, S31.1
SCRUBBER, DEA, V-598, RERUN ACCUMULATOR OFF-GAS, HEIGHT: 10 FT 8 IN; DIAMETER: 8 FT A/N: 539333	D1180				
TOWER, DEGUMMER, V-619, HEIGHT: 27 FT ; DIAMETER: 5 FT A/N: 539333	D1182				
TOWER, RERUN, V-621, HEIGHT: 55 FT ; DIAMETER: 5 FT A/N: 539333	D1183				

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(4) Denotes BACT emission limit
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Process 4: HYDROTREATING					P13.1
TANK, SURGE, V-2240, LENGTH: 24 FT ; DIAMETER: 8 FT A/N: 539333	D1508				
VESSEL, SEPARATOR, HIGH PRESSURE, V-622, HEIGHT: 16 FT 6 IN; DIAMETER: 6 FT WITH A/N: 539333 POT, SEPARATOR, H2S-WATER, HEIGHT: 2 FT ; DIAMETER: 8 IN	D115				
COLUMN, STRIPPER, V-620, HEIGHT: 57 FT ; DIAMETER: 4 FT A/N: 539333	D114				
REACTOR, FC-201 (V-626), HEIGHT: 24 FT ; DIAMETER: 7 FT 6 IN A/N: 539333	D1351				
VESSEL, V-2270, NAPHTHA FEED COALESCER, LENGTH: 14 FT ; DIAMETER: 54 FT A/N: 539333	D1510				
ACCUMULATOR, STRIPPER, V-2367, HEIGHT: 7 FT ; DIAMETER: 3 FT WITH A/N: 539333 POT, SEPARATOR, H2S-WATER, HEIGHT: 2 FT 7 IN; DIAMETER: 8 IN	D1184				
ACCUMULATOR, V-624, TOWER RERUN, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 539333	D117				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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Process 4: HYDROTREATING					P13.1
POT, V-1137/V-2012, SOUR WATER DRAW OFF A/N: 539333	D1332				
DRUM, DECOKING QUENCH, V-625, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 539333	D1343	D194 D216 D217			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 539333	D1446			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 2: HYDROTREATING UNIT NO. 1 HEATERS					
HEATER, H-31, REFINERY GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 45 MMBTU/HR WITH A/N: 469279 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 45 MMBTU/HR	D120		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**]	A63.4, B61.1, D90.7, D328.1, H23.3
System 3: HYDROTREATING UNIT NO. 2					S11.2, S13.4, S15.2, S15.3, S15.13, S31.1
REACTOR, HYDROTREATER REACTOR NO. 1, V-724, HEIGHT: 21 FT 9 IN; DIAMETER: 7 FT 6 IN A/N: 470276	D121				
COLUMN, H2S STRIPPER, V-726, H2S, HEIGHT: 49 FT ; DIAMETER: 6 FT A/N: 470276	D130				

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
ACCUMULATOR, V-727, STRIPPER OVERHEAD, HEIGHT: 12 FT ; DIAMETER: 3 FT 6 IN A/N: 470276	D131				
DRUM, INHIBITOR BLENDING, V-729, HEIGHT: 5 FT ; DIAMETER: 3 FT 6 IN A/N: 470276	D122				
REACTOR, 1ST STAGE MAIN, V-2237, LENGTH: 20 FT 3 IN; DIAMETER: 9 FT 6 IN A/N: 470276	D1511				
VESSEL, PRETREAT REACTOR, V-2143, LENGTH: 28 FT 6 IN; DIAMETER: 8 FT A/N: 470276	D1512				
TOWER, STRIPPER, V-2238, HEIGHT: 20 FT 9 IN; DIAMETER: 6 FT 6 IN A/N: 470276	D1513				
REACTOR, 2ND STAGE MAIN, V-740, HEIGHT: 21 FT 9 IN; DIAMETER: 7 FT 6 IN A/N: 470276	D123				
VESSEL, HIGH PRESSURE SEPARATOR, V-725, HEIGHT: 20 FT 9 IN; DIAMETER: 6 FT 6 IN A/N: 470276	D129				
DRUM, CHARGE, V-1474, NAPHTHA, HEIGHT: 30 FT ; DIAMETER: 12 FT A/N: 470276	D134				

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
COMPRESSOR, RECIPROCATING, C-72, HYDROTREATER BOOSTER/RECYCLE GAS A/N: 470276	D140				H23.4
SCRUBBER, V-812, SEP GAS, LENGTH: 4 FT 4 IN; DIAMETER: 1 FT 6 IN A/N: 470276	D1187				
DRUM, LIQUID RECEIVER, V-814, LENGTH: 3 FT ; DIAMETER: 1 FT A/N: 470276	D1188				
VESSEL, DEGASSING, V-728, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N: 470276	D132				
DRUM, DECOKING QUENCH, V-15 A/N: 470276	D1333	D194 D216 D217			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470276	D1447			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 4: HYDROTREATING UNIT NO. 2 HEATERS					
HEATER, H-500, REFINERY GAS, 69 MMBTU/HR A/N: 469913	D146		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**]	A63.4, B61.1, D90.7, D328.1, H23.3
System 5: HYDROTREATING UNIT NO. 3					S13.4, S15.2, S15.3, S15.13, S31.4
VESSEL, SEPARATOR, HIGH PRESSURE, V-767, HEIGHT: 71 FT ; DIAMETER: 6 FT 6 IN A/N:	D147				

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
DRUM, V-773, SOUR WATER, LENGTH: 26 FT 6 IN; DIAMETER: 4 FT 6 IN A/N:	D159				
DRUM, SURGE, V-774, CONDENSATE, HEIGHT: 9 FT 6 IN; DIAMETER: 3 FT 6 IN A/N:	D148				
REACTOR, V-768/769, 2 TOTAL, HEIGHT: 28 FT ; DIAMETER: 7 FT A/N:	D1189				
VESSEL, SEPARATOR, LOW PRESSURE, V-770, HEIGHT: 25 FT 6 IN; DIAMETER: 4 FT 6 IN A/N:	D149				
VESSEL, FILTER, AVJET, V-1507, HEIGHT: 15 FT ; DIAMETER: 12 FT A/N:	D1668				
VESSEL, SEPARATOR, AVJET, V1508/1509, 2 TOTAL, HEIGHT: 6 FT 9 IN; DIAMETER: 12 FT .75 IN A/N:	D1669				
ACCUMULATOR, V-771, H2S STRIPPER OVERHEAD, LENGTH: 26 FT 6 IN; DIAMETER: 2 FT 6 IN A/N:	D1191				
DRUM, CHARGE, V-1471, DIESEL, HEIGHT: 17 FT 6 IN; DIAMETER: 8 FT 6 IN A/N:	D153				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
COLUMN, STRIPPER, V-1475, H2S, HEIGHT: 86 FT 6 IN; DIAMETER: 7 FT A/N:	D155				
COMPRESSOR, C-86, RECYCLE GAS A/N:	D1194				H23.4
COMPRESSOR, C-77, MAKEUP GAS A/N:	D156				H23.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1448			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 6: HYDROTREATING UNIT NO. 3 HEATERS					
HEATER, H-30, REFINERY GAS, WITH LOW NOX BURNER, 48.6 MMBTU/HR WITH A/N: 469917 BURNER, 8 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 48.6 MMBTU/HR	D157		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, D90.7, D328.1, H23.3
HEATER, H-21/H-22, REFINERY GAS, 203.8 MMBTU/HR A/N: 469919	D158		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, D90.7, D328.1, H23.3
System 7: FCCU FEED HYDRODESULFURIZATION UNIT NO. 4					S11.2, S13.2, S13.4, S15.2, S15.3, S15.10, S31.1
REACTOR, GUARD, V-1740, HEIGHT: 21 FT 11 IN; DIAMETER: 12 FT 7 IN A/N: 470277	D1195				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: HYDROTREATING					P13.1
REACTOR, V-1741, HEIGHT: 31 FT 11 IN; DIAMETER: 12 FT 7 IN A/N: 470277	D1326				
COLUMN, H2S STRIPPER, V-1755, HEIGHT: 59 FT 6 IN; DIAMETER: 10 FT 6 IN A/N: 470277	D160				
FRACTIONATOR, V-1757, HEIGHT: 70 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 470277	D168				
COLUMN, STRIPPER, V-867, DIESEL, HEIGHT: 22 FT 8 IN; DIAMETER: 3 FT 6 IN A/N: 470277	D244				
VESSEL, DRIER, V-1374, DIESEL PRODUCT, HEIGHT: 36 FT 6 IN; DIAMETER: 9 FT A/N: 470277	D3				
ABSORBER, AMINE, V-1759, HEIGHT: 49 FT 9 IN; DIAMETER: 2 FT A/N: 470277	D161				
ABSORBER, AMINE, V-1761, HEIGHT: 58 FT ; DIAMETER: 4 FT A/N: 470277	D162				
DRUM, SURGE, V-1751, FEED, HEIGHT: 43 FT ; DIAMETER: 13 FT 6 IN A/N: 470277	D163				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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TESORO REFINING AND MARKETING CO, LLC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
ABSORBER, AMINE/COLD HIGH PRESSURE SEPARATOR, V-2231, HEIGHT: 42 FT ; DIAMETER: 4 FT 7 IN A/N: 470277	D164				
DRUM, FLASH, RICH AMINE, V-2234, HEIGHT: 15 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 470277	D1503				
VESSEL, SEPARATOR, LOW PRESSURE, V-1753, HEIGHT: 30 FT 6 IN; DIAMETER: 8 FT 10 IN A/N: 470277	D165				
DRUM, V-1816, WWS REBOILER CONDENSATE A/N: 470277	D1334				
DRUM, V-1684, OFFGAS DCU CONDITIONER A/N: 470277	D1335				
ACCUMULATOR, V-2161, STRIPPER OVERHEAD A/N: 470277	D106				
ACCUMULATOR, V-1758, FRACTIONATOR OVERHEAD, HEIGHT: 12 FT ; DIAMETER: 4 FT 6 IN A/N: 470277	D167			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
KNOCK OUT POT, V-1760, AMINE ABSORBER FEED, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 470277	D169				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: HYDROTREATING					P13.1
KNOCK OUT POT, V-1762, AMINE ABSORBER OVERHEAD, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 470277	D170				
DRUM, V-1765, WASH WATER, LENGTH: 13 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 470277	D173				
DRUM, FLASH, V-1766, SOUR WATER, HEIGHT: 17 FT ; DIAMETER: 5 FT 6 IN A/N: 470277	D174				
DRUM, V-1815, WWS CONDENSATE A/N: 470277	D1336				
COMPRESSOR, C-134, RECYCLE GAS, 3000 HP A/N: 470277	D176				H23.4
VESSEL, SEPARATOR, V-2049, HOT HIGH PRESSURE, HEIGHT: 18 FT ; DIAMETER: 7 FT 6 IN A/N: 470277	D1112				
DRUM, V-1814, WWS, HEIGHT: 30 FT 9 IN; DIAMETER: 12 FT A/N: 470277	D502				
COLUMN, STRIPPER, V-2350, WASH WATER A/N: 470277	D188				
FILTER, FEED, V-1808/09, 2 TOTAL, HEIGHT: 6 FT 9 IN; DIAMETER: 3 FT 6 IN A/N: 470277	D1566				

* (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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TESORO REFINING AND MARKETING CO, LLC

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 4: HYDROTREATING					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470277	D1449			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-23-2003**]	H23.16
System 8: FCCU FEED HYDRODESULFURIZATION UNIT NO. 4 HEATERS					
HEATER, H-41, REFINERY GAS, WITH LOW NOX BURNER, 63.2 MMBTU/HR WITH A/N: 469929 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 63.2 MMBTU/HR	D770	C771	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 12 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**]	A63.4, B61.1, D90.7, D328.1, E54.7, H23.3
SELECTIVE CATALYTIC REDUCTION, HALDOR TOPSOE DNX 930, FIXED BED REACTOR, VANADIA-TITANIA CATALYST, PLATE TYPE, 144.8 CU.FT. WITH A/N: 469930 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C771	D770 S989		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, D29.7, E71.7
STACK A/N: 469930	S989	C771			
System 9: FUEL GAS TREATING SYSTEM					S13.4, S15.2, S18.4
TOWER, V-598, GAS WASH, HEIGHT: 69 FT ; DIAMETER: 5 FT A/N: 472874	D192				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472874	D1380				H23.16

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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: CATALYTIC REFORMING					P13.1
System 1: BENSAT					S13.4, S15.2, S15.3, S31.1
DRUM, SURGE, V-2070, FEED A/N: 470280	D976				
VESSEL, V-606, SULFUR GUARD BED, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 470280	D977				
REACTOR, V-607, HEIGHT: 24 FT ; DIAMETER: 5 FT A/N: 470280	D1061				
GAS SEPARATOR, V-611, REACTOR EFFLUENT A/N: 470280	D979				
COLUMN, STABILIZER, V-595 A/N: 470280	D980				
ACCUMULATOR, STABILIZER, V-608, HEIGHT: 18 FT ; DIAMETER: 3 FT 6 IN A/N: 470280	D1071				
POT, V-1999, STABILIZER REBOILER CONDENSATE, HEIGHT: 4 FT 11 IN; DIAMETER: 2 FT A/N: 470280	D1337				
COMPRESSOR, C-152, H2 MAKE-UP A/N: 470280	D1338				H23.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470280	D1381			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 2: CATALYTIC REFORMING UNIT NO. 1 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
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TESORO REFINING AND MARKETING CO, LLC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
HEATER, H-11, PROCESS GAS, WITH LOW NOX BURNER, 81 MMBTU/HR WITH A/N: 469957 BURNER, REFINERY GAS, JOHN ZINK, PSFFG-30, WITH LOW NOX BURNER, 81 MMBTU/HR	D194	D1333 D1343	NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 83.8 PPMV (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B61.1, C1.15, D90.7, D328.1, E313.1, E315.1, H23.3
HEATER, H-20, REFINERY GAS, WITH LOW NOX BURNER, 76.8 MMBTU/HR WITH A/N: 469958 BURNER, REFINERY GAS, JOHN ZINK, PSFGG-30A AND PSFGG-10A, WITH LOW NOX BURNER, 76.8 MMBTU/HR	D196		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 83.8 PPMV (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B61.1, C1.15, D90.7, D328.1, E313.1, E315.1, H23.3
System 3: CATALYTIC REFORMING UNIT NO. 2					S13.4, S15.2, S15.3, S31.1
REACTOR, NO. 1, V-735, HEIGHT: 14 FT ; DIAMETER: 12 FT 6 IN A/N: 470283	D1197			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
REACTOR, NO. 2, V-736, HEIGHT: 21 FT ; DIAMETER: 12 FT 6 IN A/N: 470283	D1198			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
REACTOR, NO. 3A, V-737, HEIGHT: 20 FT ; DIAMETER: 12 FT 6 IN A/N: 470283	D1199			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	

* (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
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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: CATALYTIC REFORMING					P13.1
REACTOR, NO. 3B, V-738, HEIGHT: 14 FT ; DIAMETER: 12 FT 6 IN A/N: 470283	D1200			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
VESSEL, SEPARATOR, V-739, REACTOR PRODUCT, LENGTH: 24 FT ; DIAMETER: 9 FT 6 IN A/N: 470283	D197				
COLUMN, DEBUTANIZER, V-741, HEIGHT: 75 FT ; DIAMETER: 7 FT A/N: 470283	D198				
VESSEL, RECEIVER, V-742, DEBUTANIZER PRODUCT, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 470283	D199				
COLUMN, SPLITTER, V-743, HEIGHT: 72 FT 6 IN; DIAMETER: 8 FT A/N: 470283	D200				
VESSEL, RECEIVER, V-744, SPLITTER PRODUCT, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 470283	D201				
DRUM, HALIDE, V-746/747, 2 TOTAL, INJECTION CHEMICAL, HEIGHT: 5 FT ; DIAMETER: 1 FT 6 IN A/N: 470283	D203				
TANK, PERCHLOROETHYLENE, 300 GALS; WIDTH: 4 FT ; HEIGHT: 3 FT 6 IN; LENGTH: 3 FT 6 IN A/N: 470283	D1120				C1.2, D90.19

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
DRUM, SURGE, V-2071, FEED PREP, HEAVY NAPHTHA, HEIGHT: 15 FT ; DIAMETER: 6 FT A/N: 470283	D1203				
VESSEL, V-2235, SULFUR GUARD BED, HEIGHT: 17 FT ; DIAMETER: 6 FT 5 IN A/N: 470283	D1501				
TOWER, FEED PREP, V-732, HEIGHT: 87 FT ; DIAMETER: 13 FT A/N: 470283	D1204				
TOWER, SIDE SPLITTER, V-733, HEIGHT: 29 FT ; DIAMETER: 6 FT A/N: 470283	D1205				
POT, V-1992, SPLITTER REBOILER CONDENSATE, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 470283	D1206				
DRUM, V-2005, SPLITTER WATER DRAW, HEIGHT: 5 FT ; DIAMETER: 1 FT 6 IN A/N: 470283	D1207				
COMPRESSOR, C-73, RECYCLE GAS, CENTRIFUGAL, (VH-504) A/N: 470283	D209				
ACCUMULATOR, V-734, FEED PREP OVERHEAD, HEIGHT: 37 FT ; DIAMETER: 7 FT A/N: 470283	D210				
ABSORBER, CARBON, V-2277, HYDROGEN CHLORIDE, DIAMETER: 5 FT 6 IN; HEIGHT: 18 FT A/N: 470284	D1525			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
KNOCK OUT POT, RECYCLE GAS CONDENSATE, V-2276; DIAMETER: 3 FT 6 IN; HEIGHT: 8 FT 6 IN A/N: 470284	D1526				
HEAT EXCHANGER, NET GAS RECYCLE COOLING, E-1858, 2.2 MMBTU/HR DUTY A/N: 470284	D1527				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470283	D1451			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 4: CATALYTIC REFORMING UNIT NO. 2 HEATERS					
HEATER, H-510, REFINERY GAS, WITH LOW NOX BURNER, 60 MMBTU/HR WITH A/N: 469960 BURNER, 6 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 60 MMBTU/HR	D218		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**]	A63.4, B61.1, D90.7, D328.1, H23.3
HEATER, H-501A, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 31.4 MMBTU/HR WITH A/N: 470285 BURNER, SIX BURNERS, JOHN ZINK MODEL NO. LM-116, REFINERY GAS, WITH LOW NOX BURNER, 31.4 MMBTU/HR	D216	C773 S990 D1333 D1343	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **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**]	A63.4, B61.1, D90.7, D328.2, E448.1, H23.3

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
HEATER, H-501B, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 31.4 MMBTU/HR WITH A/N: 470286 BURNER, SIX BURNERS, JOHN ZINK MODEL NO. LM-116, REFINERY GAS, WITH LOW NOX BURNER, 31.4 MMBTU/HR	D217	C773 S990 D1333 D1343	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **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**]	A63.4, B61.1, D90.7, D328.2, E448.1, H23.3
HEATER, H-502, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 55.8 MMBTU/HR WITH A/N: 469962 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 55.8 MMBTU/HR	D214	C773 S990	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**]	A63.4, B61.1, D90.7, D328.1, E448.1, H23.3
HEATER, H-503/504, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 36.1 MMBTU/HR WITH A/N: 469964 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 36.1 MMBTU/HR	D215	C773 S990	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **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**]	A63.4, B61.1, D90.7, D328.2, E448.1, H23.3

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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: CATALYTIC REFORMING					P13.1
SELECTIVE CATALYTIC REDUCTION, HALDOR TOPSOE DNX 930,FIXED BED REACTOR, VANADIA-TITANIA CATALYST HONEYCOMB TYPE, 78 CU.FT. WITH A/N: 469966 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C773	D214 D215 D216 D217 S990		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, D29.7, E71.7
STACK A/N: 469966	S990	D214 D215 D216 D217 C773			
System 5: CATALYTIC REFORMING UNIT NO. 3					S13.4, S15.2, S15.3, S31.1
DRUM, SURGE, V-855, PLATFORMER CHARGE, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 470287	D219				
REACTOR, NO. 1, V-856, HEIGHT: 21 FT ; DIAMETER: 7 FT A/N: 470287	D1208			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
REACTOR, NO. 2, V-857, HEIGHT: 21 FT 6 IN; DIAMETER: 8 FT A/N: 470287	D1209			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
REACTOR, NO. 3, V-858, HEIGHT: 21 FT 6 IN; DIAMETER: 9 FT A/N: 470287	D1210			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
VESSEL, SEPARATOR, V-859, REACTOR PRODUCT, HEIGHT: 18 FT ; DIAMETER: 8 FT A/N: 470287	D220				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 5: CATALYTIC REFORMING					P13.1
DRUM, FLASH, V-861, HEIGHT: 16 FT ; DIAMETER: 7 FT A/N: 470287	D221				
COLUMN, DEBUTANIZER, V-862, HEIGHT: 89 FT ; DIAMETER: 10 FT 6 IN A/N: 470287	D222				
VESSEL, RECEIVER, V-863, DEBUTANIZER PRODUCT, LENGTH: 20 FT ; DIAMETER: 6 FT A/N: 470287	D223				
COLUMN, DEPROPANIZER, V-864, HEIGHT: 92 FT ; DIAMETER: 4 FT A/N: 470287	D224				
VESSEL, RECEIVER, V-865, DEPROPANIZER PRODUCT, HEIGHT: 16 FT ; DIAMETER: 4 FT 6 IN A/N: 470287	D225				
COLUMN, DEPENTANIZER, V-866, HEIGHT: 98 FT ; DIAMETER: 10 FT A/N: 470287	D226				
VESSEL, DEPENTANIZER COLUMN RECEIVER, V-868, LENGTH: 20 FT ; DIAMETER: 8 FT A/N: 470287	D227			**HAP**: (10) [**40CFR 63 Subpart CC, #1, 6-20-2013**]	
TANK, PERCHLOROETHYLENE, 300 GALS; WIDTH: 4 FT ; HEIGHT: 3 FT 6 IN; LENGTH: 3 FT 6 IN A/N: 469967	D1121				C1.2, D90.19

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
DRUM, CHEMICAL INJECTION, V-870, HEIGHT: 4 FT ; DIAMETER: 1 FT A/N: 470287	D1212				
ABSORBER, CHLORIDE, V-1485, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 470287	D1213			**HAP**: (10) [**40CFR 63 Subpart UUU, #1, 4-20-2006**]	
COMPRESSOR, C-89, RECYCLE GAS A/N: 470287	D229				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470287	D1384			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 6: CATALYTIC REFORMING UNIT NO. 3 HEATERS					
HEATER, H-200, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 82.2 MMBTU/HR WITH A/N: 469970 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 82.2 MMBTU/HR	D247	C775 S992	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, D90.7, D328.1, E54.6, E54.16, H23.3
HEATER, H-201, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 49.9 MMBTU/HR WITH A/N: 469974 BURNER, REFINERY GAS, WITH LOW NOX BURNER, 49.9 MMBTU/HR	D248	C775 S992	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, D90.7, D328.1, E54.6, E54.16, H23.3

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

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Process 5: CATALYTIC REFORMING					P13.1
HEATER, H-202, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 28.5 MMBTU/HR WITH A/N: 469976 BURNER, REFINERY GAS, MCGILL, MODEL PSRGR-7, WITH LOW NOX BURNER, 28.5 MMBTU/HR	D249	C775 S992	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **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, D90.7, D328.2, E54.6, E54.16, H23.3
SELECTIVE CATALYTIC REDUCTION, HALDOR TOPSOE DNX 940,FIXED BED REACTOR, VANADIA-TITANIA CATALYST,HONEYCOMB TYPE, 128 CU.FT. WITH A/N: 469985 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C775	D247 D248 D249 S992		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, D29.7, E71.7
STACK A/N: 469985	S992	D247 D248 D249 C775			
HEATER, H-203, REFINERY GAS, WITH LOW NOX BURNER, 35 MMBTU/HR WITH A/N: 469986 BURNER, REFINERY GAS, JOHN ZINK, MODEL PNDR-20M, WITH LOW NOX BURNER, 35 MMBTU/HR	D250		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **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, D90.7, D328.2, H23.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(5) (5A) (5B) Denotes command and control emission limit
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(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
HEATER, H-204, REFINERY GAS, 69 MMBTU/HR WITH A/N: 509650 BURNER, REFINERY GAS, JOHN ZINK, MODEL SMR-20, 4 TOTAL, WITH LOW NOX BURNER, 69 MMBTU/HR	D251		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 41.6 PPMV REFINERY GAS (3) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	B59.1, B61.1, D90.7, D328.1, E313.1, E315.1, H23.3
Process 6: HYDROGEN GENERATION					P13.1
System 1: HYDROGEN GENERATION UNIT NO. 1					S2.1, S13.4, S15.2, S15.3, S31.1
TANK, CONDENSATE, TK-7203, HEIGHT: 32 FT ; DIAMETER: 42 FT A/N: 470288	D1217				
COLUMN, WASHING/STRIPPING, V-1042, HEIGHT: 68 FT ; DIAMETER: 7 FT 6 IN A/N: 470288	D276				
COMPRESSOR, C-82 A/N: 470288	D922				H23.16
COMPRESSOR, C-83, DCU OFF GAS A/N: 470288	D923				H23.16
COMPRESSOR, C-84/85, HYDROGEN, 2 TOTAL A/N: 470288	D305				
SCRUBBER, V-987, COPPER LIQUOR, HEIGHT: 96 FT ; DIAMETER: 5 FT A/N: 470288	D307				

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(5) (5A) (5B) Denotes command and control emission limit
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Process 6: HYDROGEN GENERATION					P13.1
KNOCK OUT POT, V-1969, HEIGHT: 7 FT ; DIAMETER: 4 FT A/N: 470288	D780				
SCRUBBER, V-1890, AMMONIA, HEIGHT: 8 FT ; DIAMETER: 6 FT A/N: 470288	D781				
System 3: HYDROGEN GENERATION UNIT NO. 2					S2.1, S13.2, S13.4, S15.2
ABSORBER, PSA, V-1769/78, 10 TOTAL A/N: 469989	D317				
VESSEL, SEPARATOR, V-1782, PROCESS CONDENSATE A/N: 469989	D319				
REACTOR, DESULFURIZATION, V-1783 A/N: 469989	D320				
REACTOR, ZINC OXIDE, V-1784/1785, 2 TOTAL A/N: 469989	D321				
REACTOR, HIGH TEMP/SHIFT, V-1786 A/N: 469989	D323				
DRUM, BLOWDOWN FLASH, V-1787 A/N: 469989	D1255				
DRUM, CONDENSATE DEGASER, V-1795 A/N: 469989	D1256				
COMPRESSOR, C-146/147, FEED GAS, 2 TOTAL, EACH 400 HP A/N: 469989	D333				H23.4

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(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 6: HYDROGEN GENERATION					P13.1
COMPRESSOR, C-148, HYDROGEN PRODUCT, 1750 HP A/N: 469989	D335				
FILTER, V-1845/1846, FEED GAS COMP DUPLEX A/N: 469989	D1257				
FILTER, V-1847, HYDROGEN PRODUCT COMP DUPLEX A/N: 469989	D1258				
DRUM, PURGE GAS SURGE, V-1779 A/N: 469989	D1339				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469989	D1453				H23.16
System 4: HYDROGEN GENERATION UNIT NO. 2 HEATERS					
FURNACE, H-42, PSA GAS, REFINERY GAS, STEAM METHANE REFORMER FURNACE, 145.97 MMBTU/HR WITH A/N: 469990 GENERATOR, ELECTRICITY, STEAM TURBINE, 22.85 MW HEATER, CC-2, MIXED FEED PREHEATER HEATER, CC-3, STEAM SUPERHEATER	D777	C778	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 12 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**]	B61.1, D90.7, D90.16, D328.1, E54.8, H23.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Process 6: HYDROGEN GENERATION					P13.1
SELECTIVE CATALYTIC REDUCTION, CORMETECH, W/A FIXED BED REACTOR, VANADIA-TITANIA CATALYST, 325 CU.FT. WITH A/N: 469991 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C778	D777 S993 D1122		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, D29.7, E71.7
BOILER, H-43, AUXILIARY, NATURAL GAS, REFINERY GAS, 139.5 MMBTU/HR WITH A/N: 469992 BURNER, NATURAL GAS, REFINERY GAS, COEN, MODEL 675, 139.5 MMBTU/HR, AND 4 JOHN ZINK TRIM BRNRS, EA 9.4 MMBTU/HR, WITH LOW NOX BURNER, 139.5 MMBTU/HR	D1122	C778	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 0.1 LBS/MMBTU (8) [**40CFR 60 Subpart Db, 2-27-2014**]; **NOX**: 12 PPMV (4) [**RULE 2005, 6-3-2011**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.4, B61.1, D90.7, D90.16, D328.1, E54.10, H23.29
STACK A/N: 469993	S993	C778			
Process 8: HYDROCRACKING					P13.1
System 1: HYDROCRACKING UNIT					S13.4, S15.2, S15.3, S15.10, S31.1
REACTOR, V-993, HEIGHT: 58 FT 3 IN; DIAMETER: 10 FT A/N: 493279	D371				

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(5) (5A) (5B) Denotes command and control emission limit
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Process 8: HYDROCRACKING					P13.1
REACTOR, V-994, HEIGHT: 68 FT 10 IN; DIAMETER: 10 FT A/N: 493279	D372				
REACTOR, V-995, HEIGHT: 74 FT 10 IN; DIAMETER: 8 FT 6 IN A/N: 493279	D373				
DRUM, SURGE, V-996, HEIGHT: 28 FT ; DIAMETER: 11 FT 6 IN A/N: 493279	D340				
VESSEL, SEPARATOR, HIGH PRESSURE, V-997, HEIGHT: 34 FT ; DIAMETER: 10 FT A/N: 493279	D341				
VESSEL, SEPARATOR, LOW PRESSURE, V-998, HEIGHT: 26 FT ; DIAMETER: 7 FT 6 IN A/N: 493279	D342				
FRACTIONATOR, V-1001, HEIGHT: 144 FT ; DIAMETER: 15 FT A/N: 493279	D344				
VESSEL, STRIPPER, V-1002, HEAVY NAPHTHA, HEIGHT: 33 FT 6 IN; DIAMETER: 6 FT A/N: 493279	D345				
VESSEL, STRIPPER, V-1003, MEDIUM NAPHTHA, HEIGHT: 31 FT 6 IN; DIAMETER: 6 FT A/N: 493279	D1259				
ACCUMULATOR, V-1004, FRACTIONATOR REFLUX, LENGTH: 22 FT 6 IN; DIAMETER: 9 FT A/N: 493279	D1260				

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(5) (5A) (5B) Denotes command and control emission limit
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Process 8: HYDROCRACKING					P13.1
ACCUMULATOR, V-1005, FRACTIONATOR OVERHEAD, LENGTH: 18 FT ; DIAMETER: 7 FT A/N: 493279	D346			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
ABSORBER, V-1006, LEAN OIL, HEIGHT: 50 FT ; DIAMETER: 3 FT A/N: 493279	D374				
COLUMN, DEPROPANIZER, V-1007, HEIGHT: 106 FT ; DIAMETER: 7 FT 6 IN A/N: 493279	D347				
DRUM, V-1008, DEPROPANIZER REFLUX, LENGTH: 13 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 493279	D348				
COLUMN, DEBUTANIZER, V-1009, HEIGHT: 93 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 493279	D349				
DRUM, V-1010, DEBUTANIZER REFLUX, HEIGHT: 14 FT ; DIAMETER: 5 FT A/N: 493279	D350				
DRUM, AMINE SCRUBBER FEED,V-2381, HEIGHT: 11 FT ; DIAMETER: 4 FT 6 IN A/N: 493279	D1652				
SCRUBBER, V-1011, AMINE, HEIGHT: 51 FT ; DIAMETER: 5 FT 6 IN A/N: 493279	D351				

* (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
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 8: HYDROCRACKING					P13.1
DRUM, FLASH, V-1012, CONDENSATE, LENGTH: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 493279	D375				
DRUM, FRACTIONATOR COMPRESSOR SUCTION, V-1695, HEIGHT: 8 FT ; DIAMETER: 5 FT A/N: 493279	D352				
POT, V-1025, DEPROPANIZER REBOILER CONDENSATE, LENGTH: 12 FT ; DIAMETER: 1 FT 5 IN A/N: 493279	D376				
POT, V-1026, DEBUTANIZER REBOILER CONDENSATE, LENGTH: 12 FT ; DIAMETER: 1 FT 5 IN A/N: 493279	D928				
VESSEL, SEPARATOR, V-2036, COKER GAS OIL, HEIGHT: 5 FT 2 IN; DIAMETER: 1 FT A/N: 493279	D355				
VESSEL, SEPARATOR, V-1087, FCC GAS OIL SOLIDS, HEIGHT: 5 FT 2 IN; DIAMETER: 1 FT A/N: 493279	D356				
VESSEL, COALESCER, V-1088, FCC GAS OIL, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279	D357				
VESSEL, COALESCER, V-1089, COKER GAS OIL, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279	D358				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 8: HYDROCRACKING					P13.1
VESSEL, EFFLUENT COALESCER, V-1090, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 493279	D1265				
DRUM, INJECTION, V-1122, DIMETHYL DISULFIDE, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279	D359				
COMPRESSOR, C-93, RECYCLE GAS A/N: 493279	D364				
COMPRESSOR, FRACTIONATOR NO.1 & 2, C-94/95, 2 TOTAL, RECIPROCATING TYPE A/N: 493279	D930				
TOWER, DEA, V-1621, HEIGHT: 37 FT 6 IN; DIAMETER: 3 FT A/N: 493279	D932				
KNOCK OUT POT, V-1622, LIQUID, HEIGHT: 7 FT 3 IN; DIAMETER: 1 FT 2 IN A/N: 493279	D1266				
MIST ELIMINATOR, V-1623, HEIGHT: 9 FT ; DIAMETER: 2 FT 6 IN A/N: 493279	D933				
VESSEL, SEPARATOR, MEMBRANE, V-1624-38, 15 TOTAL, HEIGHT: 12 FT 5 IN; DIAMETER: 8 FT A/N: 493279	D934				
COMPRESSOR, C-141, RECIPROCATING TYPE A/N: 493279	D377				H23.4

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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
DRUM, SECOND STAGE CHARGE, V-1965, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279	D1340				
KNOCK OUT POT, LIQUID, V-1995, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279	D1341				
FILTER, V-1967, STRIPPED WATER, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279	D1342				
DRUM, SURGE, V-1966, WASH WATER, HEIGHT: 13 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 493279	D1530				
DRUM, V-1972, FLASH, FOUL WATER, LENGTH: 10 FT ; DIAMETER: 6 FT A/N: 493279	D1531				
COMPRESSOR, HYDROGEN, C-91/92, 2 TOTAL, RECIPROCATING TYPE A/N: 493279	D245				
COMPRESSOR, C-98 A/N: 493279	D102				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 493279	D1454			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 2: HYDROCRACKING HEATERS					

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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(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 8: HYDROCRACKING					P13.1
HEATER, H-300, REFINERY GAS, WITH LOW NOX BURNER, 47.6 MMBTU/HR WITH A/N: 469994 BURNER, 16 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 47.6 MMBTU/HR	D384	C784 S994	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, D90.7, D328.1, E54.5, E54.15, H23.3
HEATER, H-301, REFINERY GAS, WITH LOW NOX BURNER, 23.5 MMBTU/HR WITH A/N: 469995 BURNER, 6 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 23.5 MMBTU/HR	D385	C784 S994	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-1-2013**]; **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, D90.7, D328.2, E54.5, E54.15, H23.3
SELECTIVE CATALYTIC REDUCTION, ENGLEHARD, W/ A FIXED BED REACTOR, VANADIA-TITANIA CATALYST, HONEYCOMB TYPE, 59 CU.FT. WITH A/N: 469996 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C784	D384 D385 S994		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, E71.7
STACK A/N: 469996	S994	D384 D385 C784			

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
HEATER, H-302, REFINERY GAS, WITH LOW NOX BURNER, 47.6 MMBTU/HR WITH A/N: 469997 BURNER, 16 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 47.6 MMBTU/HR	D386	S692 C786	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, D90.7, D328.1, E54.4, E54.14, H23.3
HEATER, H-303, REFINERY GAS, WITH LOW NOX BURNER, 71.4 MMBTU/HR WITH A/N: 469998 BURNER, 8 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 71.4 MMBTU/HR	D387	S692 C786	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, D90.7, D328.1, E54.4, E54.14, H23.3
SELECTIVE CATALYTIC REDUCTION, ENGLEHARD, W/ A FIXED BED REACTOR, VANADIA-TITANIA CATALYST, HONEYCOMB TYPE, 78 CU.FT. WITH A/N: 469999 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C786	D386 D387 S692		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, D29.3, E71.7
STACK A/N: 469999	S692	D386 D387 C786			

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 8: HYDROCRACKING					P13.1
HEATER, H-304, REFINERY GAS, WITH LOW NOX BURNER, 147 MMBTU/HR WITH A/N: 470000 BURNER, 10 BURNERS, REFINERY GAS, MCGILL, MODEL STR-13T, WITH LOW NOX BURNER, 147 MMBTU/HR	D388	C788 S995	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, D90.7, D328.1, E54.3, E54.13, H23.3
SELECTIVE CATALYTIC REDUCTION, ENGLEHARD, W/ A FIXED BED REACTOR, VANADIA-TITANIA CATALYST, HONEYCOMB TYPE, 104 CU.FT. WITH A/N: 470001 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C788	D388 S995		**NH3**: 20 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	D12.1, D28.4, E71.7
STACK A/N: 470001	S995	D388 C788			
Process 9: ALKYLATION					P13.1
System 1: ALKYLATION UNIT					S13.4, S15.2, S15.5, S31.1, S31.4
FILTER, SALT, V-579, PROPANE, LENGTH: 25 FT 4 IN; DIAMETER: 5 FT A/N:	D390				
VESSEL, SALT DRIER, V-582, LENGTH: 15 FT 8 IN; DIAMETER: 4 FT A/N:	D391				

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(5) (5A) (5B) Denotes command and control emission limit
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Process 9: ALKYLATION					P13.1
VESSEL, V-1407, BUTYLENE COALESCER, LENGTH: 13 FT 2 IN; DIAMETER: 3 FT 6 IN A/N:	D392				
VESSEL, COALESCER, V-1408, OLEFIN, LENGTH: 10 FT 5 IN; DIAMETER: 1 FT 8 IN A/N:	D393				
SETTLING TANK, 1ST STAGE, V-1409, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N:	D394				
SETTLING TANK, 2ND STAGE, V-1410, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N:	D395				
TANK, FLASH, V-1411, REACTOR EFFLUENT, LENGTH: 30 FT 6 IN; DIAMETER: 8 FT 6 IN A/N:	D396				
TANK, FLASH, V-1414, REFRIGERANT, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N:	D397				
ACCUMULATOR, V-1416, REFRIGERANT, LENGTH: 18 FT ; DIAMETER: 5 FT A/N:	D399				
ACCUMULATOR, V-1953, DEPROPANIZER FEED, LENGTH: 20 FT ; DIAMETER: 4 FT 6 IN A/N:	D400				

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(5) (5A) (5B) Denotes command and control emission limit
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Process 9: ALKYLATION					P13.1
DRUM, BLOWDOWN, V-1418, ACID, LENGTH: 27 FT ; DIAMETER: 10 FT A/N:	D401				
SCRUBBER, CAUSTIC, V-1419, ACID VAPOR, LENGTH: 16 FT ; DIAMETER: 8 FT A/N:	D402				
COLUMN, DEETHANIZER, V-1420, LENGTH: 81 FT 6 IN; DIAMETER: 5 FT A/N:	D403				
ACCUMULATOR, V-1421, DEETHANIZER OVERHEAD, LENGTH: 80 FT ; DIAMETER: 5 FT A/N:	D404				
POT, V-1422, DEETHANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N:	D405				
SETTLING TANK, V-1423, DEPROPANIZER CAUSTIC WASH, LENGTH: 30 FT ; DIAMETER: 6 FT 6 IN A/N:	D406				
SETTLING TANK, V-1424, DEPROPANIZER WATER WASH, LENGTH: 26 FT ; DIAMETER: 6 FT A/N:	D407				
VESSEL, PRECIPITATOR, V-1425, DEPROPANIZER FEED, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N:	D408				

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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Process 9: ALKYLATION					P13.1
COLUMN, DEPROPANIZER, V-1426, HEIGHT: 118 FT 6 IN; DIAMETER: 7 FT A/N:	D409				
POT, V-1427, DEPROPANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N:	D410				
ACCUMULATOR, V-1428, DEPROPANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 6 FT A/N:	D411				
VESSEL, DEGASSER, V-1429, ALKALINE WATER, LENGTH: 8 FT ; DIAMETER: 4 FT A/N:	D949			**HAP**: (10) [**40CFR 63 Subpart CC, #1, 6-20-2013**]	
VESSEL, DEGASSER, V-1430, SPENT CAUSTIC, LENGTH: 8 FT ; DIAMETER: 4 FT A/N:	D950				
DRUM, FLASH, V-1432, HP CONDENSATE, LENGTH: 5 FT ; DIAMETER: 3 FT A/N:	D413				
DRUM, FLASH, V-1433, LP CONDENSATE, LENGTH: 37 FT 4 IN; DIAMETER: 11 FT A/N:	D414				
POT, V-1434, ALKY DIB. CAUSTIC HEATER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N:	D415				

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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Process 9: ALKYLATION					P13.1
TANK, WASH, V-1435, ALKY DIB. CAUSTIC SETTLER, LENGTH: 43 FT ; DIAMETER: 9 FT A/N:	D416				
TANK, WASH, V-1436, ALKY DIB. WATER SETTLER, LENGTH: 40 FT ; DIAMETER: 8 FT A/N:	D417				
VESSEL, PRECIPITATOR, V-1437, ALKY DIB. FEED, LENGTH: 10 FT ; DIAMETER: 10 FT A/N:	D418				
DRUM, V-1438, ALKY DIB. TEA, LENGTH: 9 FT ; DIAMETER: 3 FT A/N:	D419				
COLUMN, ALKY DIB, V-1439, HEIGHT: 165 FT ; DIAMETER: 11 FT A/N:	D420				
POT, V-1440A/B/C/D, ALKY DIB. REBOILER CONDENSATE, 4 TOTAL, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N:	D421				
ACCUMULATOR, V-1441, ALKY DIB. OVERHEAD, LENGTH: 42 FT ; DIAMETER: 10 FT 6 IN A/N:	D422				
COLUMN, ALKY DEBUTANIZER, V-1442, HEIGHT: 94 FT 9 IN; DIAMETER: 5 FT A/N:	D423				

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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Process 9: ALKYLATION					P13.1
POT, V-1443, ALKY DEBUTANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N:	D424				
ACCUMULATOR, V-1444, ALKY DEBUTANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 4 FT 6 IN A/N:	D425				
ACCUMULATOR, V-1449, V-1450 AND V-2103, S.O. AT E-1277, E1276 AND E-1721, 3 TOTAL, HEIGHT: 2 FT 3 IN; DIAMETER: 1 FT 7 IN A/N:	D431				
KNOCK OUT POT, FLARE, V-1694, LENGTH: 23 FT ; DIAMETER: 8 FT A/N:	D432				
DRUM, FLASH, V-1583, MIXED BUTANE TREATER, CAUSTIC A/N:	D953				
VESSEL, V-1156/7/8/9, K.O. POTS 12001/2/3/4, 4 TOTAL A/N:	D954				
VESSEL, PRECIPITATOR, V-1412, ACID A/N:	D960				
VESSEL, V-1413, SPENT ACID A/N:	D961				
SETTLING TANK, 3RD STAGE, V-2090, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT A/N:	D1080				

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 9: ALKYLATION					P13.1
VESSEL, CONTACTOR, E-1721, 9800 SQ.FT., LENGTH: 92 FT ; DIAMETER: 63 FT A/N:	D1081				
COMPRESSOR, C-155, REFRIGERANT, CENTRIFUGAL, BARREL TYPE, 4000 H.P. A/N:	D1082				H23.4
TANK, SETTLING, V-2241, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N:	D1504				
VESSEL, V-2242, ISOBUTANE COALESCER, LENGTH: 7 FT 6 IN; DIAMETER: 5 FT A/N:	D1505				
TANK, WASH, V-2250, ACID, LENGTH: 20 FT ; DIAMETER: 12 FT A/N:	D1506				
VESSEL, CONTACTORS NOS. 1 & 2, E-1276 & 1277 A/N:	D959				
VESSEL, CONTACTOR NO. 4, E-1827 A/N:	D1507				
COMPRESSOR, C-164, PROPANE, 1455-HP A/N:	D1509				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1392			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 2: MIXED BUTANE TREATING UNIT					S13.4, S15.2, S15.3

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: ALKYLATION					P13.1
TOWER, DEBUTANIZER ACCUMULATOR , V-272, HEIGHT: 138 FT 9 IN; DIAMETER: 6 FT A/N: 470002	D434				
ACCUMULATOR, V-1441, DEISOBUTANIZER, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 470002	D435				
KNOCK OUT POT, V-273, LIQUID, LENGTH: 12 FT ; DIAMETER: 4 FT A/N: 470002	D436				
DRUM, V-285, DIB CONDENSATE, LENGTH: 4 FT ; DIAMETER: 2 FT A/N: 470002	D437				
DRUM, CAUSTIC WASH, V-294, LENGTH: 40 FT ; DIAMETER: 4 FT 10 IN A/N: 470002	D1298				
DRUM, SURGE, V-1528, LENGTH: 46 FT ; DIAMETER: 8 FT A/N: 470002	D445				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470002	D1455			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 3: ALKYLATION FEED TREATMENT UNIT					S13.4, S15.2
DRUM, SURGE, V-1455, PROPYLENE, LENGTH: 46 FT ; DIAMETER: 8 FT A/N: 470003	D440				
VESSEL, PHASE SEPARATOR, V-1685 TO V-1690, 6 TOTAL, LENGTH: 16 FT ; DIAMETER: 4 FT 6 IN A/N: 470003	D442				

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Process 9: ALKYLATION					P13.1
OXIDIZER, V-1692, HEIGHT: 50 FT ; DIAMETER: 6 FT 6 IN A/N: 470003	D449	D722 D723 D724 D725			
VESSEL, SEPARATOR, V-2157, DISULFIDE OIL/CAUSTIC, LENGTH: 30 FT ; DIAMETER: 7 FT 6 IN A/N: 470003	D450	D722 D723 D724 D725		**HAP**: (10) [**40CFR 63 Subpart CC, #1, 6-20-2013**]	
VESSEL, SAND FILTER, V-1691, HEIGHT: 15 FT 8 IN; DIAMETER: 4 FT A/N: 470003	D439				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470003	D1456			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
Process 11: IN-LINE GASOLINE BLENDING					P13.1
System 1: IN-LINE GASOLINE BLENDING UNIT					
TANK, TK-95, CORROSION INHIBITOR, WITH NITROGEN BLANKET, 4000 GALS; DIAMETER: 6 FT 4 IN; HEIGHT: 17 FT 3 IN A/N: 470004	D453				
DRUM, V-1727/1728, DYE ADDITIVE, 2 TOTAL, WITH NITROGEN BLANKET, 250 GALS; DIAMETER: 3 FT ; HEIGHT: 5 FT A/N: 470004	D454				
VESSEL, PRESSURIZED, V-1720-24 AND V-1729, PROTO FUEL, 6 TOTAL, WITH NITROGEN BLANKET, 300 GALS A/N: 470004	D457				

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11: IN-LINE GASOLINE BLENDING					P13.1
DRUM, V-1725, SPENT/EXCESS PROTO FUEL, WITH NITROGEN BLANKET, 300 GALS A/N: 470004	D1301				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470004	D1458			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
Process 12: TREATING /STRIPPING					P13.1
System 1: HCOD TREATING UNIT					S13.2, S13.5
TANK, HOLDING, TK-7001, COKER BLOWDOWN, HEIGHT: 32 FT ; DIAMETER: 40 FT A/N: 524237	D466			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40
OIL WATER SEPARATOR, V-1743, COKER SLOP WATER CPI, 300 GPM A/N: 524237	D460			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40
OIL WATER SEPARATOR, V-1768, SLOP WATER CPI, 300 GPM A/N: 524237	D461			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40
FLOATATION UNIT, V-1168, IGFU SOUTH, 700 GPM CAPACITY A/N: 524237	D458			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40

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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 12: TREATING /STRIPPING					P13.1
FLOATATION UNIT, V-1166, IGFU NORTH, 300 GPM CAPACITY A/N: 524237	D459			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40
AIR FLOATATION UNIT, DISSOLVED AIR FLOATATION (DAF), TK-158, EFFLUENT WATER DAF, HEIGHT: 11 FT 4 IN; DIAMETER: 45 FT A/N: 524237	D463	C472 C473		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E54.18, E336.4, H23.40
TANK, SURGE, TK-159A, DAF EFFLUENT, HEIGHT: 10 FT ; DIAMETER: 16 FT A/N: 524237	D464	C472 C473		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E54.18, E336.4, H23.40
TANK, TK-149, CPI OIL SLUDGE, HEIGHT: 9 FT ; DIAMETER: 9 FT A/N: 524237	D462			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40
TANK, FLOCCULATION, TK-267, HEIGHT: 14 FT ; DIAMETER: 12 FT A/N: 524237	D465	C472 C473		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E54.18, E336.4, H23.40

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Process 12: TREATING /STRIPPING					P13.1
TANK, COLLECTION, TK-148, OILY SLUDGE, 100 BBL A/N: 524237	D467			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40
TANK, NO. 47, DAF FLOAT, 2000 GALS; DIAMETER: 6 FT 4 IN; HEIGHT: 8 FT 8 IN A/N: 524237	D471	C472 C473		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E54.18, E336.4, H23.40
VESSEL, V-1748, DAF AIR PRESSURIZATION, WITH NITROGEN BLANKET A/N: 524237	D1304			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
ADSORBER, V-2315/V-2316, ACTIVATED CARBON, CONNECTED IN SERIES, EACH 1000 POUNDS, 2,000 POUNDS TOTAL A/N: 524237	C472	D463 D464 D465 D471		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 50 PPMV (8A) [**CONSENT DECREE, 3-21-2001**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	D90.4, E153.1, H23.40
ADSORBER, V-2313/V-2314, ACTIVATED CARBON (SPARE), CONNECTED IN SERIES, EACH 1,000 POUNDS, 2,000 POUNDS TOTAL A/N: 524237	C473	D463 D464 D465 D471		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 10-28-2009**]; **VOC**: 50 PPMV (8A) [**CONSENT DECREE, 3-21-2001**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	D90.4, E153.1, H23.40

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Process 12: TREATING /STRIPPING					P13.1
TANK, COLLECTION, TK-6002/6003, SLUDGE, 2 TOTAL, 6000 BBL A/N: 524237	D469			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003**]	E336.1, H23.1, H23.40
TANK, TK-156, SLUDGE FEED TANK, 2600 GALS A/N: 524237	D709			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
OIL WATER SEPARATOR, V-1745, FILTRATE CPI, 150 GPM A/N: 524237	D703			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E71.3, H23.40
SUMP, UNDERGROUND, FIXED COVER, PUMP STATION, TK-125A, WATER DRAW COLLECTION, 3000 BBL A/N: 470006	D807			**HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]	E336.2
SUMP, UNDERGROUND, FIXED COVER, PUMP STATION, TK-125B, WATER DRAW COLLECTION, 3000 BBL A/N: 470007	D808			**HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]	E336.2
SUMP, UNDERGROUND, FIXED COVER, PUMP STATION, TK-125C, WATER DRAW COLLECTION, 3000 BBL A/N: 470008	D809			**HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]	E336.2

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Process 12: TREATING /STRIPPING					P13.1
TANK, VTK-01, IGFU POLYMER, WITH NITROGEN BLANKET, 2100 GALS A/N: 524237	D1305				
TANK, VTK-02, PEROXIDE, WITH NITROGEN BLANKET, 7000 GALS A/N: 524237	D1306				
TANK, VTK-03, DAF POLYMER, WITH NITROGEN BLANKET, 2100 GALS A/N: 524237	D1307				
TANK, V-56X-MKT, HYDROGEN PEROXIDE, WITH NITROGEN BLANKET, 7000 GALS A/N: 524237	D1308				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 524237	D1459				H23.5
DRAIN SYSTEM COMPONENT A/N: 524237	D1495			**HAP**: (10) [**40CFR 63 Subpart CC, #4, 6-20-2013**]	H23.17
System 2: LCOD TREATING UNIT					S13.2, S13.5
STORAGE TANK, EXTERNAL FLOATING ROOF, N0. 80218, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 470009 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4)	D657			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, C1.25, D90.18, D90.19, H23.25

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Process 12: TREATING /STRIPPING					P13.1
STORAGE TANK, FIXED ROOF, TK-15001, WASTE WATER, 15000 BBL; DIAMETER: 52 FT ; HEIGHT: 40 FT A/N: 470010	D1001			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003**]	E336.2, H23.1, H23.25, K67.2
STORAGE TANK, FIXED ROOF, TK-15002, WASTE WATER, 15000 BBL; DIAMETER: 52 FT ; HEIGHT: 40 FT A/N: 470011	D1002			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003**]	E336.2, H23.1, H23.25, K67.2
STORAGE TANK, EXTERNAL FLOATING ROOF, HOLDING, NO. 143000, 143000 BBL; DIAMETER: 140 FT ; HEIGHT: 52 FT WITH A/N: 470012 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, WIPER TYPE	D688			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	C1.24, D90.19, E71.1, H23.25
SKIMMING POND, NO. 2, 50 ACRE FT. CAP., STORM WATER, UNLINED A/N: 470013	D696			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
FLOATATION UNIT, INDUCED-GAS TYPE, V-2076/2077/2078, 3 TOTAL, HEIGHT: 10 FT ; DIAMETER: 12 FT A/N: 470013	D998			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]	E336.2

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: TREATING /STRIPPING					P13.1
SKIMMING POND, AFU BASIN NO.1, W/ FLOCCULATOR, SURFACE SKIMMER, 2 SCREW CONVEYORS AND BOTTOM SCRAPER, WIDTH: 25 FT ; DEPTH: 15 FT ; LENGTH: 100 FT A/N: 470013	D1022			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
SKIMMING POND, AFU BASIN NO.2, W/ A FLOCCULATOR, A SURFACE SKIMMER, AND A SCREW CONVEYOR, WIDTH: 25 FT ; DEPTH: 15 FT ; LENGTH: 100 FT A/N: 470013	D1023			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
VESSEL, PRESSURE RETENTION FOR AFU NOS. 1 & 2, V-1106/1121, 2 TOTAL, HEIGHT: 7 FT 6 IN; DIAMETER: 4 FT A/N: 470013	D498			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
OIL WATER SEPARATOR, NO. 6, LAMELLA 2, CONSISTING OF TWO UNITS, V2087 & V2088, WIDTH: 15 FT ; LENGTH: 45 FT A/N: 470013	D693			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
OIL WATER SEPARATOR, NO. 3, LAMELLA 2, CONSISTING OF TWO UNITS, V1980 & V1979, WIDTH: 13 FT ; LENGTH: 60 FT A/N: 470013	D689			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470013	D1460				H23.5
DRAIN SYSTEM COMPONENT A/N: 470013	D1496			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	H23.17

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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: TREATING /STRIPPING					P13.1
System 3: OIL/WATER SEPARATOR NO. 7					S13.5
OIL WATER SEPARATOR, NO. 7, COVERED, WITH SLOTTED PIPE SKIMMER, WIDTH: 10 FT ; HEIGHT: 6 FT 9 IN; LENGTH: 44 FT 8 IN A/N: 470014	D697	C699		**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]	E71.8
SUMP, SKIM-OIL SUMP A/N: 470014	D698				
CARBON ADSORBER, AND SPARE, EACH CONTAINS 200 LBS OF ACTIVATED CARBON A/N: 470014	C699	D697			D90.5, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470014	D1399				H23.5
System 4: OIL/WATER SEPARATOR NO. 8					S13.5
OIL WATER SEPARATOR, NO. 8, COVERED, WITH A SLOTTED PIPE SKIMMER, WIDTH: 10 FT ; DIAMETER: 6 FT 9 IN; LENGTH: 44 FT 8 IN A/N: 470015	D700	C702		**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]	E71.8
SUMP, WITH A 10 HP MOTOR A/N: 470015	D701				
CARBON ADSORBER, AND SPARE, EACH CONTAINS 200 LBS OF ACTIVATED CARBON A/N: 470015	C702	D700			D90.5, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470015	D1461				H23.5

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(3) Denotes RECLAIM concentration limit
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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: TREATING /STRIPPING					P13.1
System 7: BRINE WATER TREATMENT					S13.5, S15.6, S31.3
DRUM, HEAT TREATING, V-2201, HEIGHT: 20 FT ; DIAMETER: 16 FT A/N: 470291	D1480			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
DRUM, HEAT TREATING, V-2202, HEIGHT: 40 FT ; DIAMETER: 12 FT A/N: 470291	D1481			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
DRUM, CLARIFIED OIL, V-2204, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 470291	D1482			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
TANK, CLARIFIER THICKENER, TK-2007, HEIGHT: 16 FT ; DIAMETER: 30 FT A/N: 470291	D1483			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
TANK, CLARIFIER EFFLUENT, TK-43, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N: 470291	D1484			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
DRUM, RECOVERY OIL, V-2203, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 470291	D1485			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	H23.40
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470291	D1683			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
System 8: FUEL GAS TREATING SYSTEM					S13.4, S15.2, S18.4

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: TREATING /STRIPPING					P13.1
ABSORBER, AMINE, V-1640, HEIGHT: 66 FT ; DIAMETER: 4 FT A/N: 470016	D66				
KNOCK OUT POT, V-1641, AMINE, HEIGHT: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 470016	D67				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470016	D1561				H23.5
Process 14: LOADING AND UNLOADING					
System 1: INORGANIC CHEMICAL LOADING AND UNLOADING					S15.7
BULK MATERIAL LOAD/UNLOAD STATION, TANK TRUCK, FRESH AND SPENT ACID WITH A/N: 564031 LOADING AND UNLOADING ARM, FRESH AND SPENT ACID, 2 TOTAL; DIAMETER: 3 IN	D505				E57.1, E131.1
SCRUBBER, V-311, CAUSTIC, HEIGHT: 10 FT 7 IN; DIAMETER: 3 FT 6 IN A/N: 564031	C232				D90.3, E71.5, E71.11
VESSEL, COLLECTION, V-312, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 564031	D1729				
System 2: TWO-POSITION PROPANE TRUCK LOADING					S15.14, S31.4

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(3) Denotes RECLAIM concentration limit
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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: LOADING AND UNLOADING					
BULK MATERIAL LOAD/UNLOAD STATION, TANK TRUCK, PROPANE WITH A/N: LOADING AND UNLOADING ARM, BOTTOM, 4 TOTAL, PROPANE VAPOR RETURN LINE, 4 TOTAL	D507				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1465				H23.5
System 3: TWO-POSITION BUTANE LOADING/UNLOADING					S15.8
BULK MATERIAL LOAD/UNLOAD STATION, TANK TRUCK, BUTANE WITH A/N: 470019 LOADING AND UNLOADING ARM, BOTTOM, BUTANE, 4 TOTAL; DIAMETER: 2 IN VAPOR RETURN LINE, 1" DIA., 4 TOTAL	D513				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470019	D1466				H23.5
System 4: BUTANE TANK CAR LOADING/UNLOADING SYSTEM					S1.1, S15.6

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: LOADING AND UNLOADING					
BULK MATERIAL LOAD/UNLOAD STATION, STATIONS NOS. 1 - 6, 6 TOTAL, EACH WITH A/N: 470020 LOADING AND UNLOADING ARM, 2 TOTAL; DIAMETER: 2 IN VAPOR RETURN LINE, 1" DIA.	D790				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470020	D1467				H23.5
System 5: LPG/SPENT CAUSTIC LOADING/UNLOADING SYSTEM					S1.1, S15.6
BULK MATERIAL LOADING STATION, SPENT CAUSTIC, WITH A 1" VAPOR RETURN HOSE A/N: 470021	D798				D90.2, E71.6
BULK MATERIAL LOAD/UNLOAD STATION, STATIONS NOS.1 - 6, 6 TOTAL, EACH, LPG WITH A/N: 470021 LOADING AND UNLOADING ARM, LPG, 2 TOTAL VAPOR RETURN LINE, 3" DIA.	D1040				C1.46
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470021	D1553				H23.5
System 9: ONE-POSITION DIESEL LOADING					

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(5) (5A) (5B) Denotes command and control emission limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: LOADING AND UNLOADING					
LOADING ARM, TANK TRUCK, DIESEL FUEL, DIAMETER: 2 IN A/N: 470022	D515				B22.2, C1.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470022	D1469				H23.5
Process 15: STORAGE TANKS					P13.1
System 1: FIXED ROOF STORAGE TANKS					S13.7
STORAGE TANK, FIXED ROOF, NO. 280, METHANOL, 11720 GALS; DIAMETER: 10 FT ; HEIGHT: 20 FT A/N: 470023	D520				E336.2, K67.2
STORAGE TANK, FIXED ROOF, T-1713, METHANOL, 71000 GALS; DIAMETER: 20 FT ; HEIGHT: 30 FT A/N: 470024	D521				E336.2, K67.2
STORAGE TANK, FIXED ROOF, T-122, TFA ADDITIVE, TFA IMPROVER ADDITIVE, 5000 GALS; DIAMETER: 10 FT ; HEIGHT: 10 FT A/N: 470026	D523				C1.21
STORAGE TANK, FIXED ROOF, T-476, CETANE IMPROVER ADDITIVE, CETANE ADDITIVE, 20000 GALS; DIAMETER: 16 FT ; HEIGHT: 15 FT A/N: 470033	D524			**VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003**]	C1.22, H23.1
STORAGE TANK, FIXED ROOF, NO. 240, 10080 GALS; DIAMETER: 18 FT ; HEIGHT: 5 FT A/N: 470034	D640				E336.2, K67.2

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 2515, 2551 BBL; DIAMETER: 40 FT ; HEIGHT: 12 FT A/N: 470035	D531				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 2530, 2652 BBL; DIAMETER: 40 FT ; HEIGHT: 11 FT 11 IN A/N: 470036	D533				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 2531, 2700 BBL; DIAMETER: 40 FT ; HEIGHT: 11 FT 11 IN A/N: 470037	D534				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 7200, 7225 BBL; DIAMETER: 42 FT ; HEIGHT: 29 FT 4 IN A/N: 470038	D543				B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 7201, WITH A MIXER, 7221 BBL; DIAMETER: 42 FT ; HEIGHT: 29 FT 4 IN A/N: 470039	D544			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 7501, WASTEWATER SLUDGE, WITH A MIXER, 7423 BBL; DIAMETER: 34 FT 8 IN; HEIGHT: 30 FT 3 IN A/N: 470040	D546			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	C1.27, D90.19, E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 11000, 11259 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 29 FT 3 IN A/N: 498928	D547				B22.4, C1.49, C1.51, D90.18, E336.2, K67.16

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 11001, DIESEL FUEL, 11259 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 29 FT 3 IN A/N: 470045	D548				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 11002, DIESEL FUEL, 11259 BBL; DIAMETER: 52 FT 4 IN; HEIGHT: 29 FT 1 IN A/N: 470046	D549			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 11003, 11259 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 29 FT 3 IN A/N: 470048	D550				B22.4, C1.7, D90.18, D90.19, E336.2
STORAGE TANK, FIXED ROOF, NO. 11004, 11259 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 29 FT 3 IN A/N: 499094	D551				B22.4, C1.49, C1.51, D90.18, E336.2, K67.16
STORAGE TANK, FIXED ROOF, NO. 13501, WITH A MIXER, 13632 BBL; DIAMETER: 52 FT 9 IN; HEIGHT: 35 FT 1 IN A/N: 470050	D552				E336.2, E440.1, E440.2, K67.11
STORAGE TANK, FIXED ROOF, NO. 13500, WITH A MIXER, 13632 BBL; DIAMETER: 52 FT 8 IN; HEIGHT: 35 FT A/N: 470051	D553				E336.2, E440.1, E440.2, K67.11
STORAGE TANK, FIXED ROOF, NO. 13502, 13609 BBL; DIAMETER: 52 FT 9 IN; HEIGHT: 35 FT 1 IN A/N: 470053	D554				E336.2, K67.2

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 13503, 13508 BBL; DIAMETER: 52 FT 6 IN; HEIGHT: 35 FT 1 IN A/N: 470054	D555				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13504, 13510 BBL; DIAMETER: 52 FT 6 IN; HEIGHT: 35 FT 1 IN A/N: 470055	D556				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13505, 13313 BBL; DIAMETER: 52 FT 6 IN; HEIGHT: 35 FT 1 IN A/N: 470057	D557				B22.8, C1.26, D90.18, E336.2, K67.8
STORAGE TANK, FIXED ROOF, NO. 13506, 13489 BBL; DIAMETER: 52 FT 4 IN; HEIGHT: 35 FT 1 IN A/N: 470059	D558				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13507, 13489 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 35 FT 1 IN A/N: 470060	D559				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13508, 13434 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 34 FT 11 IN A/N: 470061	D560				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13509, 13463 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 35 FT 1 IN A/N: 470062	D561				B22.8, C1.8, D90.18, E336.2, H23.33, K67.8

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 13510, BRINE WATER, EQUIPPED WITH AN OIL SKIMMER, 13500 BBL; DIAMETER: 52 FT 9 IN; HEIGHT: 35 FT 6 IN A/N: 470292	D562			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	C1.23, E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 13511, BRINE WATER, EQUIPPED WITH AN OIL SKIMMER, 13500 BBL; DIAMETER: 52 FT 9 IN; HEIGHT: 35 FT 6 IN A/N: 470293	D563			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	C1.23, E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 13512, 13488 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 35 FT 1 IN A/N: 470070	D564				B22.8, C1.8, D90.18, E336.2, H23.33, K67.8
STORAGE TANK, FIXED ROOF, NO. 13513, 13283 BBL; DIAMETER: 52 FT ; HEIGHT: 35 FT A/N: 470071	D565			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 13514, 13286 BBL; DIAMETER: 52 FT ; HEIGHT: 35 FT A/N: 470072	D566				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13515, 13475 BBL; DIAMETER: 52 FT 5 IN; HEIGHT: 35 FT A/N: 470073	D567			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 13525, 13425 BBL; DIAMETER: 52 FT 3 IN; HEIGHT: 35 FT A/N: 470076	D569				E336.2, K67.2

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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FACILITY PERMIT TO OPERATE
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 13528, 13239 BBL; DIAMETER: 52 FT ; HEIGHT: 35 FT A/N: 470077	D571				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 13529, 13500 BBL; DIAMETER: 52 FT 4 IN; HEIGHT: 35 FT A/N: 470078	D572			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 13530, 13225 BBL; DIAMETER: 52 FT ; HEIGHT: 35 FT A/N: 470081	D573			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 25013, STRIPPED WATER, 24924 BBL; DIAMETER: 71 FT 10 IN; HEIGHT: 35 FT 1 IN A/N: 470295	D574				E336.2
STORAGE TANK, FIXED ROOF, NO. 25014, 24775 BBL; DIAMETER: 75 FT ; HEIGHT: 35 FT A/N: 470082	D575			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 25015, 25000 BBL; DIAMETER: 71 FT 10 IN; HEIGHT: 35 FT 1 IN A/N: 470083	D576			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 25017, 25753 BBL; DIAMETER: 71 FT 1 IN; HEIGHT: 71 FT A/N: 470084	D577			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 25018, 25340 BBL; DIAMETER: 71 FT 1 IN; HEIGHT: 35 FT 1 IN A/N: 470085	D578			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2

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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 25019, 25000 BBL; DIAMETER: 71 FT ; HEIGHT: 35 FT A/N: 470086	D579			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 36002, 36932 BBL; DIAMETER: 95 FT ; HEIGHT: 29 FT A/N: 470087	D581				B22.12, H23.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80033, DIESEL FUEL, WITH A MIXER, 80000 BBL; DIAMETER: 117 FT 10 IN; HEIGHT: 41 FT 10 IN A/N: 470088	D582			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 80034, DIESEL FUEL, WITH A MIXER, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN A/N: 470089	D583			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 80035, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT A/N: 502823	D584				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80036, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT A/N: 498995	D585				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80038, DIESEL DISTILLATE, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN A/N: 470091	D587			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2

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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 80039, 80122 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN A/N: 470092	D588			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, NO. 80042, HEAVY CRACKED NAPHTHA, WITH 2 MIXERS, 79976 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470093	D589				C1.29, E336.2
STORAGE TANK, FIXED ROOF, NO. 80043, WASTE WATER, 79453 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470095	D591				B22.1, K67.2
STORAGE TANK, FIXED ROOF, NO. 80044, WITH TWO MIXER, 79847 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 8 IN A/N: 470096	D592				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80049, WITH A MIXER, 80032 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470098	D594				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80050, NAPHTHA, GASOLINE, CRUDE OIL, GAS OIL, DC CHARGE, WITH A MIXER, 80106 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470099	D595				B22.10, C1.5, D90.18, E336.2, K67.8

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 80051, WITH A MIXER, 80105 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470100	D596				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80055, 80064 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470101	D597				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80058, HTU-4 CHARGE, WITH INTERNAL HEATING COILS, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 8 IN A/N: 470104	D600				C1.29, E336.2
STORAGE TANK, FIXED ROOF, NO. 80060, GAS OIL, DC CHARGE, BUNKER OIL, CRUDE OIL, WITH A MIXER AND INTERNAL HEATING COILS, 76300 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470105	D602			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B22.9, C1.4, D90.18, E336.2
STORAGE TANK, FIXED ROOF, NO. 80062, 80066 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470107	D604				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80063, WITH A MIXER AND INTERNAL HEATING COILS, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT A/N: 470108	D605			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, HEATED, NO. 80064, TRANSMIX GASOLINE, GAS OIL, BUNKER OIL, DC CHARGE, CRUDE OIL, WITH A MIXER AND INTERNAL HEATING COILS, 76500 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 532207	D606			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B22.11, B22.13, C1.37, D90.18, E336.2, K67.8
STORAGE TANK, FIXED ROOF, HEATED, NO. 80065, DC CHARGE, BUNKER OIL, CRUDE OIL, WITH A MIXER AND INTERNAL HEATING COILS, 76500 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470110	D607			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B22.11, C1.37, D90.18, E336.2, K67.8
STORAGE TANK, FIXED ROOF, HEATED, NO. 80066, DC CHARGE, BUNKER OIL, CRUDE OIL, WITH A MIXER AND INTERNAL HEATING COILS, 75500 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470112	D608			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B22.9, C1.4, D90.18, E336.2, H23.40
STORAGE TANK, FIXED ROOF, HEATED, NO. 80067, WITH A MIXER AND INTERNAL HEATING COILS, 75000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 5 IN A/N: 470111	D609			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 80068, WITH A MIXER AND INTERNAL HEATING COILS, 76800 BBL; DIAMETER: 117 FT ; HEIGHT: 44 FT A/N: 470113	D610				K67.2

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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 80069, 79836 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470114	D611			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 80070, DIESEL FUEL, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 2 IN A/N: 470115	D612			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	K67.2
STORAGE TANK, FIXED ROOF, NO. 80073, WITH INTERNAL HEATING COILS, 79980 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470118	D615			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80074, WITH A MIXER, 79675 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 9 IN A/N: 470119	D616			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80077, 79973 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 9 IN A/N: 470122	D619			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80078, WITH INTERNAL HEATING COILS, 79864 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470123	D620			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80080, WITH A MIXER AND INTERNAL HEATING COILS, 79808 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 9 IN A/N: 470125	D622				E336.2, K67.2

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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 80081, WITH A MIXER AND INTERNAL HEATING COILS, 80093 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN A/N: 470126	D623			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 80083, WITH INTERNAL HEATING COILS, 80189 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 6 IN A/N: 470128	D625			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 80084, WITH A MIXER AND INTERNAL HEATING COILS, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 9 IN A/N: 470129	D626			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 80085, WITH A MIXER AND INTERNAL HEATING COILS, 80175 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 9 IN A/N: 470130	D627			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 80087, WITH INTERNAL HEATING COILS AND A MIXER, 80175 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN A/N: 470131	D628			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.40, K67.2

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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 80089, FC HEAVY GAS OIL, WITH TWO MIXERS AND INTERNAL HEATING COILS, 80000 BBL; DIAMETER: 119 FT 10 IN; HEIGHT: 41 FT 2 IN A/N: 470132	D629			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	K67.2
STORAGE TANK, FIXED ROOF, NO. 80091, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT A/N: 498996	D631				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 80219, 80131 BBL; DIAMETER: 117 FT 1 IN; HEIGHT: 41 FT 9 IN A/N: 470136	D633			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	E336.2, H23.10, H23.40, K67.2
STORAGE TANK, FIXED ROOF, NO. 80220, WITH ONE MIXER, 80021 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN A/N: 470137	D634				E336.2, H23.9, K67.2
STORAGE TANK, FIXED ROOF, NO. 80221, WITH TWO MIXERS, 80025 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT A/N: 470141	D598			**VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003**]	E336.2, H23.1, K67.2
STORAGE TANK, FIXED ROOF, HEATED, NO. 125000, WITH INTERNAL HEATING COILS, 112000 BBL; DIAMETER: 148 FT 6 IN; HEIGHT: 40 FT 9 IN A/N: 470143	D636				E336.2, K67.2

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(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
TESORO REFINING AND MARKETING CO, LLC

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 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, HEATED, NO. 125001, WITH INTERNAL HEATING COILS, 112000 BBL; DIAMETER: 148 FT 6 IN; HEIGHT: 40 FT 9 IN A/N: 470144	D637				E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 20426, WITH OIL SKIMMER, HEIGHT: 40 FT ; DIAMETER: 60 FT A/N: 470145	D639			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B22.3, C1.19, D90.18, E336.2, H23.33, H23.40
STORAGE TANK, FIXED ROOF, NO. 96059, WITH TWO MIXERS, 96000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT A/N: 470146	D982			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B22.8, C1.40, D90.18, E336.2, H23.1, K67.8
STORAGE TANK, FIXED ROOF, NO. 107, STRIPPED SOUR WATER, 100 BBL; DIAMETER: 8 FT ; HEIGHT: 12 FT A/N: 559086	D1500				C1.28, D90.19, E336.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 36001, DIESEL FUEL, 36000 BBL; DIAMETER: 95 FT ; HEIGHT: 29 FT A/N: 470149	D1555			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 13516, LIGHT CYCLE GAS OIL, HYDROTREATED COKER GAS OIL, HYDRODESULFURIZED GAS OIL, COKER HEAVY GAS OIL, 13000 BBL; DIAMETER: 52 FT ; HEIGHT: 35 FT A/N: 470142	D568			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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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 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 80037, LIGHT CYCLE GAS OIL, HYDROTREATED COKER GAS OIL, HYDRODESULFURIZED GAS OIL, COKER HEAVY GAS OIL, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT A/N: 470090	D586			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 80092, LIGHT CYCLE GAS OIL, HYDROTREATED COKER GAS OIL, HYDRODESULFURIZED GAS OIL, COKER HEAVY GAS OIL, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT A/N: 470135	D632			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, FIXED ROOF, NO. 118066, LIGHT CYCLE GAS OIL, HYDROTREATED COKER GAS OIL, HYDRODESULFURIZED GAS OIL, COKER HEAVY GAS OIL, 118000 BBL; DIAMETER: 150 FT ; HEIGHT: 42 FT A/N: 470074	D635			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	B22.1, D90.18, K67.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470149	D1470				H23.5
System 2: EXTERNAL FLOATING ROOF STORAGE TANKS					S13.7

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 76000, WITH A MIXER, 76000 BBL; DIAMETER: 115 FT ; HEIGHT: 41 FT WITH A/N: 470150 FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL	D647			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	B22.1, D90.18, K67.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80009, STORMWATER, WITH LIFT STATION, 80000 BBL; DIAMETER: 110 FT ; HEIGHT: 48 FT WITH A/N: 535086 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE	D1719				B59.10
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470150	D1471				H23.5
System 3: PRESSURIZED STORAGE TANKS					S13.6, S15.1, S31.1
STORAGE TANK, PRESSURIZED, N0. 776, LIQUIFIED PETROLEUM GAS, 30000 GALS; DIAMETER: 9 FT 11 IN; LENGTH: 57 FT 1 IN A/N: 470153	D662				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, PRESSURIZED, NO. 777, LIQUIFIED PETROLEUM GAS, 30000 GALS; DIAMETER: 9 FT 11 IN; LENGTH: 57 FT 1 IN A/N: 470154	D663				
STORAGE TANK, PRESSURIZED, NO. 778, LIQUIFIED PETROLEUM GAS, 30000 GALS; DIAMETER: 9 FT 11 IN; LENGTH: 57 FT 1 IN A/N: 470155	D664				
STORAGE TANK, PRESSURIZED, NO. 779, LIQUIFIED PETROLEUM GAS, 30000 GALS; DIAMETER: 9 FT 11 IN; LENGTH: 57 FT 1 IN A/N: 470156	D665				
STORAGE TANK, PRESSURIZED, NO. 780, LIQUIFIED PETROLEUM GAS, 30000 GALS; DIAMETER: 9 FT 11 IN; LENGTH: 57 FT 1 IN A/N: 470157	D666				
STORAGE TANK, PRESSURIZED, NO. 1501, LIQUIFIED PETROLEUM GAS, 62515 GALS; DIAMETER: 11 FT ; HEIGHT: 80 FT 6 IN A/N: 470158	D667				
STORAGE TANK, PRESSURIZED, NO. 1502, LIQUIFIED PETROLEUM GAS, 62515 GALS; DIAMETER: 11 FT ; LENGTH: 80 FT 6 IN A/N: 470159	D669				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, PRESSURIZED, NO. 1503, LIQUIFIED PETROLEUM GAS, 62525 GALS; DIAMETER: 12 FT ; LENGTH: 80 FT 6 IN A/N: 470160	D670				
STORAGE TANK, PRESSURIZED, NO. 6000, LIQUIFIED PETROLEUM GAS, SPHERICAL, 251250 GALS; DIAMETER: 40 FT 6 IN A/N: 470161	D671				
STORAGE TANK, PRESSURIZED, NO. 6001, LIQUIFIED PETROLEUM GAS, SPHERICAL, 249186 GALS; DIAMETER: 40 FT 6 IN A/N: 470162	D672				
STORAGE TANK, PRESSURIZED, NO. 600, LIQUIFIED PETROLEUM GAS, 24570 GALS; DIAMETER: 7 FT ; LENGTH: 90 FT 1 IN A/N: 470163	D673				
STORAGE TANK, PRESSURIZED, NO. 1545, LIQUIFIED PETROLEUM GAS, 72100 GALS; DIAMETER: 12 FT ; LENGTH: 77 FT 6 IN A/N: 470164	D674				
STORAGE TANK, PRESSURIZED, NO. 1546, LIQUIFIED PETROLEUM GAS, 72100 GALS; DIAMETER: 12 FT ; LENGTH: 77 FT 6 IN A/N: 470167	D675				

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, PRESSURIZED, NO. 1547, LIQUIFIED PETROLEUM GAS, 72100 GALS; DIAMETER: 12 FT ; LENGTH: 77 FT 6 IN A/N: 470169	D676				
STORAGE TANK, PRESSURIZED, NO. 1703, LIQUIFIED PETROLEUM GAS, 71600 GALS; DIAMETER: 12 FT ; LENGTH: 90 FT 1 IN A/N: 470170	D677				
STORAGE TANK, PRESSURIZED, NO. 1705, LIQUIFIED PETROLEUM GAS, 71736 GALS; DIAMETER: 12 FT ; LENGTH: 90 FT 1 IN A/N: 470171	D678				
STORAGE TANK, PRESSURIZED, NO. 1709, LIQUIFIED PETROLEUM GAS, 71736 GALS; DIAMETER: 12 FT ; LENGTH: 90 FT 1 IN A/N: 470172	D679				
STORAGE TANK, PRESSURIZED, NO. 1710, LIQUIFIED PETROLEUM GAS, 71736 GALS; DIAMETER: 12 FT ; LENGTH: 90 FT 1 IN A/N: 470173	D680				
STORAGE TANK, PRESSURIZED, NO. 5009, LIQUIFIED PETROLEUM GAS, SPHERICAL, 207000 GALS; DIAMETER: 38 FT A/N: 470174	D681				

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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, PRESSURIZED, NO. 5010, LIQUIFIED PETROLEUM GAS, SPHERICAL, 206052 GALS; DIAMETER: 36 FT A/N: 470175	D682				
STORAGE TANK, PRESSURIZED, NO. 12001, LIQUIFIED PETROLEUM GAS, SPHERICAL, 507570 GALS; DIAMETER: 51 FT A/N: 470176	D683				
STORAGE TANK, PRESSURIZED, NO. 12002, LIQUIFIED PETROLEUM GAS, SPHERICAL, 507192 GALS; DIAMETER: 51 FT A/N: 470177	D684				
STORAGE TANK, PRESSURIZED, NO. 12003, LIQUIFIED PETROLEUM GAS, SPHERICAL, 504882 GALS; DIAMETER: 51 FT A/N: 470179	D685				
STORAGE TANK, PRESSURIZED, NO. 12004, LIQUIFIED PETROLEUM GAS, SPHERICAL, 504882 GALS; DIAMETER: 51 FT A/N: 470207	D686				
STORAGE TANK, PRESSURIZED, NO. 50000, SPHERICAL, PENTANE, 50000 BBL; DIAMETER: 82 FT A/N: 470296	D1502				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470207	D1472				H23.16
System 4: FRESH/SPENT H2SO4 STORAGE TANKS					S15.7

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. 4010, 4000 BBL; DIAMETER: 36 FT ; HEIGHT: 22 FT A/N: 470211	D527				
STORAGE TANK, FIXED ROOF, NO. 4011, 4000 BBL; DIAMETER: 36 FT ; HEIGHT: 22 FT A/N: 470212	D528				
System 5: DOMED EXTERNAL FLOATING ROOF STORAGE TANKS					S13.9
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 80209, WITH A MIXER, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 470297 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D648			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.33, D90.19, H23.1, 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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80211, WITH TWO MIXERS, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 470213 FLOATING ROOF, DOUBLE DECK, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D650			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80213, ALKYLATE, WITH TWO MIXERS, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 470215 FLOATING ROOF, DOUBLE DECK, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D652			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.31, 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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80214, WITH TWO MIXERS, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 470217 FLOATING ROOF, PONTOON, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, WIPER TYPE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D653			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.35, 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
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80217, WITH TWO MIXERS, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 470218 FLOATING ROOF, PONTOON, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D656			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 125002, ALKYLATE/GASOLINE, 125000 BBL; DIAMETER: 150 FT ; HEIGHT: 40 FT WITH A/N: 470298 FLOATING ROOF, PONTOON, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D659			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.36, C6.2, 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
TESORO REFINING AND MARKETING CO, LLC

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 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 125004, ALKYLATE, 125000 BBL; DIAMETER: 134 FT ; HEIGHT: 50 FT WITH A/N: 470219 FLOATING ROOF, PONTOON, WELDED SHELL, WITH GEODESIC DOME COVER PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D1078			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	B22.8, C1.32, D90.18, H23.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80210, WITH A MIXER, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 60 FT WITH A/N: 470299 FLOATING ROOF, PONTOON, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D649			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.41, D90.19, K67.2
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 125003, WITH TWO MIXERS, 125000 BBL; DIAMETER: 150 FT ; HEIGHT: 40 FT WITH A/N: 470300 FLOATING ROOF, PONTOON, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D660			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C6.2, K67.9

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80215, WITH TWO MIXERS, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 470220 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, WIPER TYPE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D654			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	B22.8, C1.18, D90.18, 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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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 80216, GASOLINE, WITH TWO MIXERS, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 40 FT WITH A/N: 470221 FLOATING ROOF, PONTOON, WELDED SHELL DOME COVER, GEODESIC PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D655			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.32, 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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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 80212,, WITH TWO MIXERS, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 42 FT WITH A/N: 470222 DOME COVER, GEODESIC FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D651			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	K67.2, K171.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 96000,, GASOLINE, WITH TWO MIXERS, 96000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 470223 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE GUIDEPOLE, GASKETED COVER, UNSLOTTED	D658			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	C1.33, K67.2, K171.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470223	D1362				H23.5
System 6: STORAGE TANKS, OTHERS					
STORAGE TANK, FIXED ROOF, NO. 1000, PERCHLOROETHYLENE, 1000 GALS; DIAMETER: 5 FT 4 IN; HEIGHT: 6 FT A/N: 470301	D1533				B59.2, C1.34, K67.17
STORAGE TANK, FIXED ROOF, TANK 192, CAUSTIC, 5460 GALS; DIAMETER: 9 FT ; HEIGHT: 11 FT 11 IN A/N: 519205	D1670				B59.11, E336.2, K67.17

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, TANK138, CAUSTIC, 5460 GALS; DIAMETER: 9 FT ; HEIGHT: 11 FT 11 IN A/N: 519207	D1671				B59.11, E336.2, K67.17
STORAGE TANK, FIXED ROOF, TANK 139, CAUSTIC, 5460 GALS; DIAMETER: 9 FT ; HEIGHT: 11 FT 11 IN A/N: 519208	D1672				B59.11, E336.2, K67.17
STORAGE TANK, FIXED ROOF, TANK 200A, CAUSTIC (SPENT), 8400 GALS; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 519209	D1673				B59.11, E336.2, K67.17
STORAGE TANK, FIXED ROOF, TANK 742, CAUSTIC (SPENT), 28560 GALS; DIAMETER: 17 FT ; HEIGHT: 16 FT 10.5 IN A/N: 530223	D1712				B59.15, E336.2, K67.17
System 7: INTERNAL FLOATING ROOF TANKS					S13.7

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80076, WITH INTERNAL HEATING COILS, 79727 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 9 IN WITH A/N: 495451 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED	D618			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B59.5, C1.47, C6.4, K67.15, K171.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80079, WITH A MIXER AND INTERNAL HEATING COILS, 79739 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 495452 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED	D621			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B59.5, C1.47, C6.4, K67.15, K171.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80090, WITH TWO MIXERS AND INTERNAL HEATING COILS, 80000 BBL; DIAMETER: 120 FT ; HEIGHT: 43 FT WITH A/N: 476389 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED	D630			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]	B59.4, C1.42, C6.4, H23.1, K67.12
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 476389	D1363				H23.5

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80071, 79774 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 9 IN WITH A/N: 509883 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED	D613			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003**]	B59.4, C1.47, C6.4, H23.1, K67.15, K171.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80072, 79965 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN WITH A/N: 544561 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER	D614			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B59.8, C1.40, C6.4, H23.1, K67.15, K171.3

* (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 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80075, 79812 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN WITH A/N: 509881 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER	D617			**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	B59.4, C1.54, C6.4, H23.1, K67.15, K171.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80045, WITH A MIXER, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 518304 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER	D593			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003**]	B59.9, C1.53, C6.4, H23.1, K67.15, K171.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, N0. 80057, WITH A MIXER, 80011 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN WITH A/N: 529906 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER	D599			**HAP**: (10) [**40CFR 63 Subpart CC, #3A, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003**]	B59.13, C1.58, C6.4, H23.1, K67.15, K171.3

* (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 15: STORAGE TANKS					P13.1
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 80061, 80074 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN WITH A/N: 529876 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER	D603			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]; **VOC**: 500 PPMV (8) [**40CFR 60 Subpart Kb, 10-15-2003**]	B59.12, C1.54, C6.4, H23.1, K67.15, K171.3

* (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
TESORO REFINING AND MARKETING CO, LLC

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 15: STORAGE TANKS					P13.1
STORAGE TANK, HEATED, INTERNAL FLOATING ROOF, NO. 80082, WITH A SIDE MIXER, 76000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 10 IN WITH A/N: 529993 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, MULTIPLE WIPERS, RIM MOUNTED GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER	D624				B59.14, C1.59, C6.4, H23.1, K67.15, K171.3
Process 17: ELECTRIC GENERATION					
System 1: EMERGENCY INTERNAL COMBUSTION ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, VOLVO-PENTA, MODEL TD61, PORTABLE, 146 HP A/N: 470224	D713		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, C1.55, C177.1, D12.2, D135.1, K67.13

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 17: ELECTRIC GENERATION					
INTERNAL COMBUSTION ENGINE, C-161, DIESEL FUEL, JOHN DEERE, MODEL 31791R, 2 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 55 HP A/N: 470225	D714		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, C1.56, D12.2, D135.1, K67.13
INTERNAL COMBUSTION ENGINE, C-156, EMERGENCY AIR, DIESEL FUEL, CUMMINS, MODEL NTA-855, 6 CYLINDERS, FOUR CYCLE, SERIAL NO. 11642155, WITH AFTERCOOLER, TURBOCHARGER, 435 BHP A/N: 484957	D1100		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, C1.56, D12.2, K67.13
INTERNAL COMBUSTION ENGINE, C-157, EMERGENCY AIR, DIESEL FUEL, CUMMINS, MODEL NTA-855, 6 CYLINDERS, FOUR CYCLE, SERIAL NO. 11680463, WITH AFTERCOOLER, TURBOCHARGER, 435 BHP A/N: 484958	D1101		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, C1.56, D12.2, K67.13
INTERNAL COMBUSTION ENGINE, C-158, EMERGENCY AIR, DIESEL FUEL, CUMMINS, MODEL NTA-855, 6 CYLINDERS, FOUR CYCLE, SERIAL NO. 11661695, WITH AFTERCOOLER, TURBOCHARGER, 435 BHP A/N: 484959	D1102		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, C1.56, D12.2, K67.13
INTERNAL COMBUSTION ENGINE, C-159, EMERGENCY AIR, DIESEL FUEL, CUMMINS, MODEL NTA-855, 6 CYLINDERS, FOUR CYCLE, SERIAL NO. 11661698, WITH AFTERCOOLER, TURBOCHARGER, 435 BHP A/N: 484960	D1103		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, C1.56, D12.2, K67.13

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 17: ELECTRIC GENERATION					
INTERNAL COMBUSTION ENGINE, C-160, EMERGENCY AIR, DIESEL FUEL, CUMMINS, MODEL NTA-855, 6 CYLINDERS, FOUR CYCLE, SERIAL NO. 11671783, WITH AFTERCOOLER, TURBOCHARGER, 435 BHP A/N: 484961	D1104		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, C1.56, D12.2, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE WATER, ENG-76, 6 CYLINDERS, DIESEL FUEL, CATERPILLAR, MODEL C15ACERT, SERIAL NO. JRE06392, WITH AFTERCOOLER, TURBOCHARGER, 475 BHP A/N: 481814	D1617		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**: 3 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**]; **PM10**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.43, C1.44, C1.45, D12.13, H23.36, K67.13

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 17: ELECTRIC GENERATION					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE WATER, ENG-78, 6 CYLINDERS, DIESEL FUEL, CATERPILLAR, MODEL C15ACERT, SERIAL NO. JRE06395, WITH AFTERCOOLER, TURBOCHARGER, 475 BHP A/N: 481815	D1618		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**: 3 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**]; **PM10**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.43, C1.44, C1.45, D12.13, H23.36, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE WATER, ENG-77, 6 CYLINDERS, DIESEL FUEL, JOHN DEERE, MODEL 6125HF070, SERIAL NO. RG6125H042377, WITH AFTERCOOLER, TURBOCHARGER, 500 BHP A/N: 481818	D1645		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**: 4.9 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**]; **PM10**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.43, C1.44, C1.45, D12.13, H23.36, K67.13

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 17: ELECTRIC GENERATION					
INTERNAL COMBUSTION ENGINE, C-18, EMERGENCY FIRE WATER, 6 CYLINDERS, DIESEL FUEL, CATERPILLAR, MODEL C18, SERIAL NO. WJH05543, WITH AFTERCOOLER, TURBOCHARGER, 700 BHP A/N: 481817	D1646		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**: 3 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**]; **PM10**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.43, C1.44, C1.45, D12.13, H23.36, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, ENG-80, DIESEL FUEL, JOHN DEERE, 6 CYLINDERS, MODEL 6135HFC48B, SERIAL NO. RG6135L014602 (460 KW), WITH AFTERCOOLER, TURBOCHARGER, 617 BHP A/N: 520668	D1692		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**: 3 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**]; **PM10**: 0.15 GRAM/BHP-HR (5) [RULE 1470, 5-4-2012]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.57, D12.13, H23.36, H23.41, K67.13

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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 17: ELECTRIC GENERATION					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, ENG-81, DIESEL FUEL, JOHN DEERE, 6 CYLINDERS, MODEL 6135HFC48B, SERIAL NO. RG6135L018321 (460 KW), WITH AFTERCOOLER, TURBOCHARGER, 617 BHP A/N: 520669	D1693		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**: 3 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**]; **PM10**: 0.15 GRAM/BHP-HR (5) [RULE 1470, 5-4-2012]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.57, D12.13, H23.36, H23.41, K67.13
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, ENG-83, DIESEL FUEL, JOHN DEERE, 6 CYLINDERS, MODEL 6135HFC48B, SERIAL NO. RG6135L018323 (460 KW), WITH AFTERCOOLER, TURBOCHARGER, 617 BHP A/N: 520670	D1694		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**: 3 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**]; **PM10**: 0.15 GRAM/BHP-HR (5) [RULE 1470, 5-4-2012]; **SOX**: 6.24 LBS/1000 GAL DIESEL (1) [**RULE 2011, 5-6-2005**]	B61.6, C1.57, D12.13, H23.36, H23.41, K67.13
System 2: COGENERATION UNIT A					

* (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
TESORO REFINING AND MARKETING CO, LLC

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 17: ELECTRIC GENERATION					
TURBINE, A, NATURAL GAS, REFINERY GAS, UNITED TECHNOLOGIES, MODEL FT4, WITH WATER INJECTION, 392 MMBTU/HR WITH A/N: 470302 GENERATOR, ELECTRIC, 30 MW BOILER, WASTE HEAT RECOVERY, UNFIRED INJECTOR, WATER INJECTION MIST ELIMINATOR, DOLLINGER, OE-158-300	D810	C811	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 96 PPMV (8) [**40CFR 60 Subpart GG, 2-24-2006**]; **PM**: 0.01 GRAINS/SCF (5) [**RULE 475, 10-8-1976;** *RULE 475, 8-7-1978*]; **PM**: 11 LBS/HR (5A) [**RULE 475, 10-8-1976;** *RULE 475, 8-7-1978*]	A63.3, A63.4, A327.1, B61.5, B61.9, D12.3, D29.2, D90.7, D90.10, D328.1, E51.2, E71.4, H23.18
CO OXIDATION CATALYST, JOHNSON MATTHEY A/N: 470302	C811	D810 C1536			D82.1
FILTER, V-1584, KING FILTER A A/N: 470302	D1648	D752 D753			
COMPRESSOR, C-127-129, FUEL GAS, 3 TOTAL, COMMON TO BOTH COGENERATION SYSTEM A AND B A/N: 470302	D973				

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 17: ELECTRIC GENERATION					
SELECTIVE CATALYTIC REDUCTION, FIXED BED REACTOR,VANADIUM-TITANIUM-TUNGSTEN CATALYST, HALDOR TOPSOE OR EQUIVALENT, WAFER TYPE, 1226.83 CU.FT.; WIDTH: 12 FT 5 IN; HEIGHT: 31 FT ; LENGTH: 3 FT 6 IN WITH A/N: 470303 INJECTOR, ANHYDROUS AMMONIA	C1536	C811		**NH3**: 5 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	A195.1, D12.6, D12.7, D12.8, D29.5, E73.1, E179.1, E179.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470302	D1415				H23.5
System 3: COGENERATION UNIT B					
TURBINE, B, NATURAL GAS, REFINERY GAS, UNITED TECHNOLOGIES, MODEL FT4, WITH WATER INJECTION, 392 MMBTU/HR WITH A/N: 470304 GENERATOR, ELECTRIC, 30 MW BOILER, WASTE HEAT RECOVERY, UNFIRED INJECTOR, WATER INJECTION MIST ELIMINATOR, DOLLINGER, OE-158-300	D812	C813	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 96 PPMV (8) [**40CFR 60 Subpart GG, 2-24-2006**]; **PM**: 0.01 GRAINS/SCF (5) [**RULE 475, 10-8-1976;** *RULE 475, 8-7-1978*]; **PM**: 11 LBS/HR (5A) [**RULE 475, 10-8-1976;** *RULE 475, 8-7-1978*]	A63.3, A63.4, A327.1, B61.5, B61.9, D12.3, D29.2, D90.7, D90.10, D328.1, E51.4, E71.4, H23.18

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

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 17: ELECTRIC GENERATION					
CO OXIDATION CATALYST, JOHNSON MATHEY A/N: 470304	C813	D812 C1538			D82.1
FILTER, V-1585, KING FILTER B A/N: 470304	D1651	D752 D753			
COMPRESSOR, C-127-129, FUEL GAS, 3 TOTAL, COMMON TO BOTH COGENERATION SYSTEM A AND B A/N: 470302	D973				
SELECTIVE CATALYTIC REDUCTION, FIXED BED REACTOR, VANADIUM-TITANIUM-TUNGSTEN CATALYST, HALDOR TOPSOE OR EQUIVALENT, WAFER TYPE, 1226.83 CU.FT.; WIDTH: 12 FT 5 IN; HEIGHT: 31 FT ; LENGTH: 3 FT 6 IN WITH A/N: 470305 INJECTOR, ANHYDROUS AMMONIA	C1538	C813		**NH3**: 5 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996**]	A195.1, D12.6, D12.7, D12.8, D29.5, E73.1, E179.1, E179.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470304	D1425				H23.5
Process 18: STEAM GENERATION					
BOILER, BO-7, PROCESS GAS, REFINERY GAS, BABCOCK AND WILCOX, MODEL SPL-F25AB NO. 12, OR 110000 LB/HR OF 225 PSIG STEAM (PROCESS GAS FROM FUME SCRUBBER OF P21/S2), 183.54 MMBTU/HR A/N: 470234	D722	D449 D450 S874	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.4, B61.1, C1.1, C8.2, D90.7, D90.17, D328.1, H23.3

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

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TESORO REFINING AND MARKETING CO, LLC

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 18: STEAM GENERATION					
BOILER, BO-8, PROCESS GAS, REFINERY GAS, BABCOCK AND WILCOX, MODEL SPL-F25AB NO. 12, OR 110000 LB/HR OF 225 PSIG STEAM (PROCESS GAS FROM FUME SCRUBBER OF P21/S2), 183.54 MMBTU/HR A/N: 470235	D723	D449 D450 S874	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.4, B61.1, C1.1, C8.2, D90.7, D90.17, D328.1, H23.3
STACK A/N: 470235	S874	D722 D723			
BOILER, BO-9, PROCESS GAS, REFINERY GAS, BABCOCK AND WILCOX, MODEL SPL-F25AB NO. 12, OR 110000 LB/HR OF 225 PSIG STEAM (PROCESS GAS FROM FUME SCRUBBER OF P21/S2), 183.54 MMBTU/HR A/N: 470240	D724	D449 D450 S1028	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.4, B61.1, C1.1, C8.2, D90.7, D90.17, D328.1, H23.3
BOILER, BO-10, PROCESS GAS, REFINERY GAS, BABCOCK AND WILCOX, MODEL SPL-F25AB NO. 12, OR 110000 LB/HR OF 225 PSIG OF STEAM (PROCESS GAS FROM FUME SCRUBBER OF P21/S2), 183.54 MMBTU/HR A/N: 470241	D725	D449 D450 S1028	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.4, B61.1, C1.1, C8.2, D90.7, D90.17, D328.1, H23.3
STACK A/N: 470241	S1028	D724 D725			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470241	D1416				H23.5
Process 19: MISCELLANEOUS					
System 1: FUEL STORAGE & DISPENSING					S13.8

* (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
TESORO REFINING AND MARKETING CO, LLC

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 19: MISCELLANEOUS					
FUEL DISPENSING NOZZLE, BALANCE RETRACTOR PHASE II CONTROL, GASOLINE, (G-70-52-AM), WITH PHASE II VAPOR RECOVERY SYSTEM A/N: 565801	D734			**VOC**: (9) [*RULE 461, Morrison PhaseI EVR AST Conditions, 4-6-2012*]	
STORAGE TANK, FIXED ROOF, NO. 15W, CONVAULT TYPE (VR-301-F), RECTANGULAR, GASOLINE, EQUIPPED WITH HUSKY5885 PRESSURE/VACUUM RELIEF VALVE & MORRISSON PHASE I(EVR), WITH SUBMERGED FILLING, 1000 GALS; WIDTH: 5 FT 8 IN; HEIGHT: 4 FT ; LENGTH: 11 FT A/N: 565801	D728			**VOC**: (9) [*RULE 461, Morrison PhaseI EVR AST Conditions, 4-6-2012*]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 565801	D1473				H23.5
System 2: FUEL STORAGE & DISPENSING					S13.8
FUEL DISPENSING NOZZLE, BALANCE RETRACTOR PHASE II CONTROL, GASOLINE, (G-70-52-AM) A/N: 565802	D1320			**VOC**: (9) [*RULE 461, Morrison PhaseI EVR AST Conditions, 4-6-2012*]	
STORAGE TANK, FIXED ROOF, NO. 16E, CONVAULT TYPE (VR-301-F), RECTANGULAR, GASOLINE, EQUIPPED WITH HUSKY5885 PRESSURE/VACUUM RELIEF VALVE & MORRISSON PHASE I(EVR), 1000 GALS; WIDTH: 5 FT 8 IN; HEIGHT: 4 FT ; LENGTH: 11 FT A/N: 565802	D1321			**VOC**: (9) [*RULE 461, Morrison PhaseI EVR AST Conditions, 4-6-2012*]	

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 19: MISCELLANEOUS					
System 3: FUEL GAS MIX SYSTEM					S13.4, S15.2
DRUM, V-536, SOUTH FUEL GAS MIX, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 470245	D888				
DRUM, V-1222, NORTH FUEL GAS MIX, LENGTH: 33 FT ; DIAMETER: 12 FT A/N: 470245	D889				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470245	D1556				H23.5
System 4: SUMPS					S13.5
SUMP, FIXED ROOF, WASTE OIL RECOVERY, 10000 GALS; WIDTH: 10 FT ; HEIGHT: 10 FT ; LENGTH: 10 FT A/N: 470244	D526				E336.2, H23.40
SUMP, FIXED ROOF, NO. 29, LAB WASTEWATER, 1400 GALS; DIAMETER: 6 FT ; LENGTH: 7 FT A/N: 470147	D1095	C1096		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]; **VOC**: 500 PPMV (5) [**RULE 1176, 9-13-1996**]	E71.10, H23.40, K67.2
ADSORBER, TWO IN SERIES AND ONE STANDBY, 3 TOTAL, EACH CONTAINING 2000 POUNDS OF ACTIVATED CARBON A/N: 470147	C1096	D1095		**BENZENE**: (10) [**40CFR 61 Subpart FF, #1, 12-4-2003**]; **VOC**: 50 PPMV (8A) [**CONSENT DECREE, 3-21-2001**]; **VOC**: 500 PPMV (8) [**40CFR 61 Subpart FF, 12-4-2003**]	D90.4, E153.1, H23.40
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470147	D1572				

* (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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TESORO REFINING AND MARKETING CO, LLC

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 19: MISCELLANEOUS					
System 5: AMMONIA STORAGE					
STORAGE TANK, PRESSURIZED, V-1058, AMMONIA, 250 PSIG TOTAL, LENGTH: 36 FT 9 IN; DIAMETER: 9 FT A/N: 470247	D311				B59.3, E71.12, K67.10
Process 21: AIR POLLUTION CONTROL					
System 1: REFINERY FLARE					S13.4, S18.2
FLARE, ELEVATED WITH STEAM INJECTION, NO.2, Q-910, JOHN ZINK, MODEL STF-S-30, HEIGHT: 250 FT ; DIAMETER: 2 FT 6 IN A/N:	C747				D12.4, D323.2, E193.1, H23.38
FLARE, ELEVATED WITH STEAM INJECTION, NO.1, Q-913, JOHN ZINK, MODEL STF-S-30, HEIGHT: 250 FT ; DIAMETER: 2 FT 6 IN A/N:	C748				D12.4, D323.2, E193.1, H23.38
KNOCK OUT POT, V-847, FLARE NO. 2, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N:	D752	D1648 D1651			
KNOCK OUT POT, V-848, FLARE NO. 1, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N:	D753	D1648 D1651			
KNOCK OUT POT, V-2369, CRU-HTU NO. 1, LENGTH: 16 FT ; DIAMETER: 8 FT A/N:	D750				

* (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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TESORO REFINING AND MARKETING CO, LLC

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 21: AIR POLLUTION CONTROL					
KNOCK OUT POT, V-630, CRU-HTU NO. 2, LENGTH: 19 FT ; DIAMETER: 6 FT A/N:	D751				
KNOCK OUT POT, V-873, CRU NO. 3, LENGTH: 18 FT ; DIAMETER: 9 FT A/N:	D754				
KNOCK OUT POT, V-934, DCU, LENGTH: 25 FT ; DIAMETER: 12 FT A/N:	D755				
KNOCK OUT POT, V-951, HGU NO. 1, LENGTH: 40 FT ; DIAMETER: 10 FT A/N:	D756				
KNOCK OUT POT, V-1018, HCU, LENGTH: 29 FT ; DIAMETER: 14 FT 6 IN A/N:	D757				
KNOCK OUT POT, V-1431,ALKYLATION UNIT, LENGTH: 35 FT ; DIAMETER: 11 FT A/N:	D758				
KNOCK OUT POT, V-1472, HTU NO. 3, LENGTH: 23 FT 8 IN; DIAMETER: 9 FT 3 IN A/N:	D759				
KNOCK OUT POT, V-1764, HTU-4, HEIGHT: 36 FT ; DIAMETER: 13 FT A/N:	D172				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1419				H23.5
System 2: FUME SCRUBBERS					S13.4, S18.3

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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Process 21: AIR POLLUTION CONTROL					
SCRUBBER, V-146/V-154, HEIGHT: 25 FT 3 IN; DIAMETER: 6 FT A/N: 470257	C761				C8.3, D90.6
SCRUBBER, V-673, CAUSTIC, HEIGHT: 25 FT 6 IN; DIAMETER: 6 FT A/N: 470257	C762				C8.3, D90.6
KNOCK OUT POT, V-671, NORTH, HEIGHT: 25 FT 3 IN; DIAMETER: 6 FT A/N: 470257	D763				
KNOCK OUT POT, V-672, SOUTH, HEIGHT: 25 FT 3 IN; DIAMETER: 6 FT A/N: 470257	D1087				
DRUM, ACID WASH WATER, V-1214, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 470257	C1638				
DRUM, ACID WASH WATER, V-250, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 470257	C1639				
System 3: REFINERY VAPOR RECOVERY COMPRESSORS SYSTEM					S13.4, S15.11, S18.1
COMPRESSOR, C-68, INGERSOLL-RAND, TWO-STAGE, 350 H.P. A/N: 530224	D641				
COMPRESSOR, C-69, INGERSOLL-RAND, TWO-STAGE, 350 H.P. A/N: 530224	D642				H23.4

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
COMPRESSOR, C-104, WORTHINGTON, TWO-STAGE, 900 H.P. A/N: 530224	D643				
COMPRESSOR, C-105, WORTHINGTON, TWO-STAGE, 900 H.P, SPARE FOR C-104 A/N: 530224	D644				
DRUM, VAPOR RECOVERY GAS K.O, V-2380, LENGTH: 11 FT ; DIAMETER: 54 FT A/N: 530224	D1662				
POT, V-556, CONDENSATE POT #4, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 530224	D886				
DRUM, SUCTION, V-1135, LENGTH: 22 FT 6 IN; DIAMETER: 9 FT A/N: 530224	D887				
DRUM, SOUR WATER FLASH DRUM AND BACK UP DEA SKIM, V-1490, LENGTH: 30 FT ; DIAMETER: 12 FT A/N: 530224	D1615				
DRUM, DEA FLASH, V-1491, LENGTH: 40 FT ; DIAMETER: 4 FT A/N: 530224	D1663				
DRUM, DEA SKIM, V-1139, SPARE, LENGTH: 26 FT ; DIAMETER: 8 FT A/N: 530224	D1316				
POT, V-1865, CONDENSATE POT #1, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D890				

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
POT, V-1866, CONDENSATE POT #2, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D891				
POT, V-1867, CONDENSATE POT #3, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D892				
POT, V-1868, CONDENSATE POT #5, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D893				
POT, V-1871, CONDENSATE POT #6, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D894				
POT, V-1872, CONDENSATE POT #7, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D895				
POT, V-1873, CONSENSATE POT #8, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 530224	D896				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530224	D1477				H23.5
System 4: FLARE GAS RECOVERY SYSTEM					S13.4, S15.2, S15.3, S15.11, S18.6, S31.2
COMPRESSOR, C-167, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291	D1600				E73.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
COMPRESSOR, C-168, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291	D1601				E73.3
COMPRESSOR, C-169, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291	D1602				E73.3
COMPRESSOR, C-170, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291	D1603				E73.3
COMPRESSOR, C-171, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291	D1604				E73.3
VESSEL, COMPRESSOR LIQUID SEPARATOR, V-2358, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 501291	D1605				
VESSEL, COMPRESSOR LIQUID SEPARATOR, V-2359, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 501291	D1606				
KNOCK OUT POT, V-2360, HEIGHT: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 501291	D1607				

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

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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 21: AIR POLLUTION CONTROL					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501291	D1608			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	
Process 22: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E1487				H23.12
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E1488				H23.12
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E1489				H23.13
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E1491			**VOC**: (9) [**RULE 1168, 1-7-2005; RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	H23.27
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E1492			**VOC**: (9) [**RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	H23.14
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E1493			**VOC**: (9) [**RULE 1113, 6-3-2011;** *RULE 1113, 9-6-2013;* **RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	K67.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E1499			**VOC**: (9) [**RULE 1107, 1-6-2006; RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	H23.27
RULE 219 EXEMPT EQUIPMENT, HEAT EXCHANGER SYSTEMS	E1730				H23.43
Process 23: ISOMERIZATION					
System 1: BUTANE ISOMERIZATION					S13.2, S15.5, S31.1
VESSEL, BUTANE FEED COALESCER, V-2252, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 470311	D1514				

* (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
TESORO REFINING AND MARKETING CO, LLC

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 23: ISOMERIZATION					
DRYER, V-2253/2254, BUTANE, 2 TOTAL, LENGTH: 22 FT ; DIAMETER: 4 FT A/N: 470311	D1515				
DRYER, V-55/56, MAKE UP GAS, 2 TOTAL, LENGTH: 14 FT ; DIAMETER: 4 FT A/N: 470311	D1516				
KNOCK OUT POT, V-2257, MAKE UP GAS, LENGTH: 7 FT 6 IN; DIAMETER: 2 FT A/N: 470311	D1517				
VESSEL, REGENERANT COALESCER, V-2258, LENGTH: 6 FT ; DIAMETER: 2 FT A/N: 470311	D1518				
TANK, SURGE, V-2259, FEED, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 470311	D1519				
SCRUBBER, V-2262, NET GAS, LENGTH: 37 FT ; DIAMETER: 78 FT A/N: 470311	D1520				
TANK, DEGASSING, V-2263, CAUSTIC, LENGTH: 10 FT ; DIAMETER: 2 FT 6 IN A/N: 470311	D1521				
VESSEL, STABILIZER, V-2260, LENGTH: 6 FT 8 IN; DIAMETER: 66 FT A/N: 470311	D1522				

* (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
TESORO REFINING AND MARKETING CO, LLC

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 23: ISOMERIZATION					
VESSEL, STABILIZER RECEIVER, V-2261, LENGTH: 12 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 470311	D1523				
VESSEL, DIB OVERHEAD ACCUMULATOR, V-0012, LENGTH: 19 FT ; DIAMETER: 7 FT 6 IN A/N: 470311	D1524				
REACTOR, V-604, HEIGHT: 59 FT 6 IN; DIAMETER: 3 FT A/N: 470311	D1067				
REACTOR, V-605, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 470311	D978				
COLUMN, DIB, V-1041, HEIGHT: 185 FT ; DIAMETER: 7 FT 6 IN A/N: 470311	D275				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 470311	D1562				H23.16

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(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
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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
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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1	1	1	1
D3	36	4	7
D4	2	1	1
D5	2	1	2
D6	2	1	2
D7	2	1	2
D8	2	1	2
D9	3	1	3
D10	4	2	1
D11	4	2	1
D13	16	2	10
D14	16	2	10
D15	5	2	1
D16	5	2	1
D17	5	2	1
D18	5	2	1
D19	8	2	1
D20	6	2	1
D24	6	2	1
D25	6	2	1
D26	6	2	1
D27	7	2	1
D28	7	2	1
D29	7	2	1
D30	7	2	1
D31	7	2	1
D32	9	2	2
D33	9	2	2
D34	13	2	8
D41	13	2	8
D45	13	2	8
D47	14	2	8
D49	13	2	8
S50	24	3	3
S51	28	3	6

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D52	10	2	3
D53	11	2	6
D54	10	2	3
D56	10	2	3
D58	10	2	3
D60	10	2	3
D62	10	2	3
D63	11	2	6
D65	11	2	6
D66	79	12	8
D67	79	12	8
D68	11	2	6
D76	12	2	7
D77	12	2	7
D78	17	3	1
D79	17	3	1
D80	17	3	1
D81	17	3	1
D82	18	3	1
D83	18	3	1
D84	18	3	1
D85	18	3	1
D86	18	3	1
D87	19	3	1
D89	23	3	3
D90	24	3	3
D91	24	3	3
D92	23	3	3
D93	20	3	2
D94	20	3	2
D95	20	3	2
D96	21	3	2
D97	21	3	2
D99	24	3	4
D100	24	3	4

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D102	58	8	1
D103	26	3	5
D104	25	3	4
D105	25	3	4
D106	37	4	7
D107	25	3	5
D112	29	3	9
D114	30	4	1
D115	30	4	1
D117	30	4	1
D120	31	4	2
D121	31	4	3
D122	32	4	3
D123	32	4	3
D129	32	4	3
D130	31	4	3
D131	32	4	3
D132	33	4	3
D134	32	4	3
D140	33	4	3
D146	33	4	4
D147	33	4	5
D148	34	4	5
D149	34	4	5
D153	34	4	5
D155	35	4	5
D156	35	4	5
D157	35	4	6
D158	35	4	6
D159	34	4	5
D160	36	4	7
D161	36	4	7
D162	36	4	7
D163	36	4	7
D164	37	4	7

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D165	37	4	7
D167	37	4	7
D168	36	4	7
D169	37	4	7
D170	38	4	7
D172	136	21	1
D173	38	4	7
D174	38	4	7
D176	38	4	7
D188	38	4	7
D192	39	4	9
D194	41	5	2
D196	41	5	2
D197	42	5	3
D198	42	5	3
D199	42	5	3
D200	42	5	3
D201	42	5	3
D203	42	5	3
D209	43	5	3
D210	43	5	3
D214	45	5	4
D215	45	5	4
D216	44	5	4
D217	45	5	4
D218	44	5	4
D219	46	5	5
D220	46	5	5
D221	47	5	5
D222	47	5	5
D223	47	5	5
D224	47	5	5
D225	47	5	5
D226	47	5	5
D227	47	5	5

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D229	48	5	5
C232	79	14	1
D244	36	4	7
D245	58	8	1
D247	48	5	6
D248	48	5	6
D249	49	5	6
D250	49	5	6
D251	50	5	6
D275	143	23	1
D276	50	6	1
D305	50	6	1
D307	50	6	1
D311	135	19	5
D317	51	6	3
D319	51	6	3
D320	51	6	3
D321	51	6	3
D323	51	6	3
D333	51	6	3
D335	52	6	3
D340	54	8	1
D341	54	8	1
D342	54	8	1
D344	54	8	1
D345	54	8	1
D346	55	8	1
D347	55	8	1
D348	55	8	1
D349	55	8	1
D350	55	8	1
D351	55	8	1
D352	56	8	1
D355	56	8	1
D356	56	8	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D357	56	8	1
D358	56	8	1
D359	57	8	1
D364	57	8	1
D371	53	8	1
D372	54	8	1
D373	54	8	1
D374	55	8	1
D375	56	8	1
D376	56	8	1
D377	57	8	1
D384	59	8	2
D385	59	8	2
D386	60	8	2
D387	60	8	2
D388	61	8	2
D390	61	9	1
D391	61	9	1
D392	62	9	1
D393	62	9	1
D394	62	9	1
D395	62	9	1
D396	62	9	1
D397	62	9	1
D399	62	9	1
D400	62	9	1
D401	63	9	1
D402	63	9	1
D403	63	9	1
D404	63	9	1
D405	63	9	1
D406	63	9	1
D407	63	9	1
D408	63	9	1
D409	64	9	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D410	64	9	1
D411	64	9	1
D413	64	9	1
D414	64	9	1
D415	64	9	1
D416	65	9	1
D417	65	9	1
D418	65	9	1
D419	65	9	1
D420	65	9	1
D421	65	9	1
D422	65	9	1
D423	65	9	1
D424	66	9	1
D425	66	9	1
D431	66	9	1
D432	66	9	1
D434	68	9	2
D435	68	9	2
D436	68	9	2
D437	68	9	2
D439	69	9	3
D440	68	9	3
D442	68	9	3
D445	68	9	2
D449	69	9	3
D450	69	9	3
D453	69	11	1
D454	69	11	1
D457	69	11	1
D458	70	12	1
D459	71	12	1
D460	70	12	1
D461	70	12	1
D462	71	12	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D463	71	12	1
D464	71	12	1
D465	71	12	1
D466	70	12	1
D467	72	12	1
D469	73	12	1
D471	72	12	1
C472	72	12	1
C473	72	12	1
D498	76	12	2
D502	38	4	7
D505	79	14	1
D507	80	14	2
D513	80	14	3
D515	82	14	9
D520	82	15	1
D521	82	15	1
D523	82	15	1
D524	82	15	1
D526	134	19	4
D527	102	15	4
D528	102	15	4
D531	83	15	1
D533	83	15	1
D534	83	15	1
D543	83	15	1
D544	83	15	1
D546	83	15	1
D547	83	15	1
D548	84	15	1
D549	84	15	1
D550	84	15	1
D551	84	15	1
D552	84	15	1
D553	84	15	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D554	84	15	1
D555	85	15	1
D556	85	15	1
D557	85	15	1
D558	85	15	1
D559	85	15	1
D560	85	15	1
D561	85	15	1
D562	86	15	1
D563	86	15	1
D564	86	15	1
D565	86	15	1
D566	86	15	1
D567	86	15	1
D568	95	15	1
D569	86	15	1
D571	87	15	1
D572	87	15	1
D573	87	15	1
D574	87	15	1
D575	87	15	1
D576	87	15	1
D577	87	15	1
D578	87	15	1
D579	88	15	1
D581	88	15	1
D582	88	15	1
D583	88	15	1
D584	88	15	1
D585	88	15	1
D586	96	15	1
D587	88	15	1
D588	89	15	1
D589	89	15	1
D591	89	15	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D592	89	15	1
D593	120	15	7
D594	89	15	1
D595	89	15	1
D596	90	15	1
D597	90	15	1
D598	94	15	1
D599	121	15	7
D600	90	15	1
D602	90	15	1
D603	122	15	7
D604	90	15	1
D605	90	15	1
D606	91	15	1
D607	91	15	1
D608	91	15	1
D609	91	15	1
D610	91	15	1
D611	92	15	1
D612	92	15	1
D613	117	15	7
D614	118	15	7
D615	92	15	1
D616	92	15	1
D617	119	15	7
D618	115	15	7
D619	92	15	1
D620	92	15	1
D621	115	15	7
D622	92	15	1
D623	93	15	1
D624	123	15	7
D625	93	15	1
D626	93	15	1
D627	93	15	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D628	93	15	1
D629	94	15	1
D630	116	15	7
D631	94	15	1
D632	96	15	1
D633	94	15	1
D634	94	15	1
D635	96	15	1
D636	94	15	1
D637	95	15	1
D639	95	15	1
D640	82	15	1
D641	137	21	3
D642	137	21	3
D643	138	21	3
D644	138	21	3
D647	97	15	2
D648	102	15	5
D649	109	15	5
D650	103	15	5
D651	112	15	5
D652	104	15	5
D653	105	15	5
D654	110	15	5
D655	111	15	5
D656	106	15	5
D657	74	12	2
D658	113	15	5
D659	107	15	5
D660	109	15	5
D662	97	15	3
D663	98	15	3
D664	98	15	3
D665	98	15	3
D666	98	15	3

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D667	98	15	3
D669	98	15	3
D670	99	15	3
D671	99	15	3
D672	99	15	3
D673	99	15	3
D674	99	15	3
D675	99	15	3
D676	100	15	3
D677	100	15	3
D678	100	15	3
D679	100	15	3
D680	100	15	3
D681	100	15	3
D682	101	15	3
D683	101	15	3
D684	101	15	3
D685	101	15	3
D686	101	15	3
D688	75	12	2
D689	76	12	2
S692	60	8	2
D693	76	12	2
D696	75	12	2
D697	77	12	3
D698	77	12	3
C699	77	12	3
D700	77	12	4
D701	77	12	4
C702	77	12	4
D703	73	12	1
D709	73	12	1
D713	123	17	1
D714	124	17	1
D722	131	18	0

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D723	132	18	0
D724	132	18	0
D725	132	18	0
D728	133	19	1
D734	133	19	1
C747	135	21	1
C748	135	21	1
D749	21	3	2
D750	135	21	1
D751	136	21	1
D752	135	21	1
D753	135	21	1
D754	136	21	1
D755	136	21	1
D756	136	21	1
D757	136	21	1
D758	136	21	1
D759	136	21	1
C761	137	21	2
C762	137	21	2
D763	137	21	2
C764	3	1	3
C768	9	2	2
D770	39	4	8
C771	39	4	8
C773	46	5	4
C775	49	5	6
D777	52	6	4
C778	53	6	4
D780	51	6	1
D781	51	6	1
C784	59	8	2
C786	60	8	2
C788	61	8	2
D790	81	14	4

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D798	81	14	5
D807	73	12	1
D808	73	12	1
D809	73	12	1
D810	129	17	2
C811	129	17	2
D812	130	17	3
C813	131	17	3
S874	132	18	0
D886	138	21	3
D887	138	21	3
D888	134	19	3
D889	134	19	3
D890	138	21	3
D891	139	21	3
D892	139	21	3
D893	139	21	3
D894	139	21	3
D895	139	21	3
D896	139	21	3
D898	1	1	1
D900	6	2	1
D901	8	2	1
D904	8	2	1
D906	6	2	1
D907	10	2	3
D908	17	3	1
D909	19	3	1
D910	19	3	1
D912	19	3	1
D913	19	3	1
D915	17	3	1
D916	22	3	2
D917	22	3	2
D918	19	3	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D919	21	3	2
D922	50	6	1
D923	50	6	1
D928	56	8	1
D930	57	8	1
D932	57	8	1
D933	57	8	1
D934	57	8	1
D949	64	9	1
D950	64	9	1
D953	66	9	1
D954	66	9	1
D959	67	9	1
D960	66	9	1
D961	66	9	1
D969	8	2	1
D973	129	17	2
D973	131	17	3
D976	40	5	1
D977	40	5	1
D978	143	23	1
D979	40	5	1
D980	40	5	1
D982	95	15	1
S987	9	2	2
S989	39	4	8
S990	46	5	4
S992	49	5	6
S993	53	6	4
S994	59	8	2
S995	61	8	2
D998	75	12	2
D1001	75	12	2
D1002	75	12	2
D1022	76	12	2

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Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1023	76	12	2
S1028	132	18	0
D1040	81	14	5
D1061	40	5	1
D1067	143	23	1
D1071	40	5	1
D1078	108	15	5
D1080	66	9	1
D1081	67	9	1
D1082	67	9	1
D1087	137	21	2
D1088	7	2	1
D1093	15	2	9
D1094	15	2	9
D1095	134	19	4
C1096	134	19	4
D1100	124	17	1
D1101	124	17	1
D1102	124	17	1
D1103	124	17	1
D1104	125	17	1
S1105	28	3	6
D1112	38	4	7
D1120	42	5	3
D1121	47	5	5
D1122	53	6	4
D1125	1	1	1
D1126	1	1	1
D1127	1	1	1
D1128	1	1	1
D1129	1	1	1
D1131	2	1	1
D1132	4	2	1
D1133	4	2	1
D1134	4	2	1

FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1135	4	2	1
D1136	5	2	1
D1137	5	2	1
D1141	5	2	1
D1143	5	2	1
D1147	6	2	1
D1149	7	2	1
D1151	7	2	1
D1152	11	2	6
D1154	10	2	3
D1155	12	2	8
D1156	12	2	8
D1157	13	2	8
D1158	13	2	8
D1159	13	2	8
D1160	12	2	8
D1161	14	2	8
D1162	14	2	8
D1164	14	2	8
D1165	14	2	8
D1170	15	2	9
D1173	16	2	9
D1174	16	2	9
D1175	16	2	9
D1176	16	2	9
D1180	29	4	1
D1182	29	4	1
D1183	29	4	1
D1184	30	4	1
D1187	33	4	3
D1188	33	4	3
D1189	34	4	5
D1191	34	4	5
D1194	35	4	5
D1195	35	4	7

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1197	41	5	3
D1198	41	5	3
D1199	41	5	3
D1200	42	5	3
D1203	43	5	3
D1204	43	5	3
D1205	43	5	3
D1206	43	5	3
D1207	43	5	3
D1208	46	5	5
D1209	46	5	5
D1210	46	5	5
D1212	48	5	5
D1213	48	5	5
D1217	50	6	1
D1255	51	6	3
D1256	51	6	3
D1257	52	6	3
D1258	52	6	3
D1259	54	8	1
D1260	54	8	1
D1265	57	8	1
D1266	57	8	1
D1267	17	3	1
D1268	17	3	1
D1269	17	3	1
D1271	18	3	1
D1272	19	3	1
D1273	18	3	1
D1275	18	3	1
D1280	19	3	1
D1283	20	3	2
D1284	20	3	2
D1285	22	3	2
D1287	22	3	2

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1288	22	3	2
D1289	22	3	2
D1292	25	3	4
D1293	25	3	5
D1294	25	3	5
D1295	25	3	5
D1296	25	3	5
D1297	26	3	5
D1298	68	9	2
D1301	70	11	1
D1304	72	12	1
D1305	74	12	1
D1306	74	12	1
D1307	74	12	1
D1308	74	12	1
D1316	138	21	3
D1320	133	19	2
D1321	133	19	2
D1326	36	4	7
D1332	31	4	1
D1333	33	4	3
D1334	37	4	7
D1335	37	4	7
D1336	38	4	7
D1337	40	5	1
D1338	40	5	1
D1339	52	6	3
D1340	58	8	1
D1341	58	8	1
D1342	58	8	1
D1343	31	4	1
D1350	11	2	6
D1351	30	4	1
D1354	2	1	1
D1355	2	1	2

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
S1356	3	1	3
D1357	8	2	1
D1359	10	2	3
D1361	11	2	6
D1362	113	15	5
D1363	116	15	7
D1365	20	3	1
D1366	22	3	2
D1367	12	2	7
D1380	39	4	9
D1381	40	5	1
D1384	48	5	5
D1392	67	9	1
D1399	77	12	3
D1415	130	17	2
D1416	132	18	0
D1419	136	21	1
D1425	131	17	3
D1438	12	2	8
D1443	25	3	4
D1444	26	3	5
D1446	31	4	1
D1447	33	4	3
D1448	35	4	5
D1449	39	4	7
D1451	44	5	3
D1453	52	6	3
D1454	58	8	1
D1455	68	9	2
D1456	69	9	3
D1458	70	11	1
D1459	74	12	1
D1460	76	12	2
D1461	77	12	4
D1465	80	14	2

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1466	80	14	3
D1467	81	14	4
D1469	82	14	9
D1470	96	15	1
D1471	97	15	2
D1472	101	15	3
D1473	133	19	1
D1477	139	21	3
D1478	3	1	4
D1479	3	1	4
D1480	78	12	7
D1481	78	12	7
D1482	78	12	7
D1483	78	12	7
D1484	78	12	7
D1485	78	12	7
E1487	141	22	0
E1488	141	22	0
E1489	141	22	0
E1491	141	22	0
E1492	141	22	0
E1493	141	22	0
D1495	74	12	1
D1496	76	12	2
E1499	141	22	0
D1500	95	15	1
D1501	43	5	3
D1502	101	15	3
D1503	37	4	7
D1504	67	9	1
D1505	67	9	1
D1506	67	9	1
D1507	67	9	1
D1508	30	4	1
D1509	67	9	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1510	30	4	1
D1511	32	4	3
D1512	32	4	3
D1513	32	4	3
D1514	141	23	1
D1515	142	23	1
D1516	142	23	1
D1517	142	23	1
D1518	142	23	1
D1519	142	23	1
D1520	142	23	1
D1521	142	23	1
D1522	142	23	1
D1523	143	23	1
D1524	143	23	1
D1525	43	5	3
D1526	44	5	3
D1527	44	5	3
D1530	58	8	1
D1531	58	8	1
D1532	21	3	2
D1533	113	15	6
C1536	130	17	2
C1538	131	17	3
D1553	81	14	5
D1555	95	15	1
D1556	134	19	3
D1557	16	2	10
D1561	79	12	8
D1562	143	23	1
D1566	38	4	7
D1567	8	2	1
D1572	134	19	4
D1573	28	3	8
C1574	29	3	8

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
C1575	26	3	6
C1576	27	3	6
C1577	28	3	6
D1580	28	3	6
D1597	20	3	1
D1598	20	3	1
D1600	139	21	4
D1601	140	21	4
D1602	140	21	4
D1603	140	21	4
D1604	140	21	4
D1605	140	21	4
D1606	140	21	4
D1607	140	21	4
D1608	141	21	4
D1615	138	21	3
D1616	8	2	1
D1617	125	17	1
D1618	126	17	1
C1638	137	21	2
C1639	137	21	2
D1645	126	17	1
D1646	127	17	1
D1648	129	17	2
D1651	131	17	3
D1652	55	8	1
D1661	6	2	1
D1662	138	21	3
D1663	138	21	3
D1664	24	3	3
D1668	34	4	5
D1669	34	4	5
D1670	113	15	6
D1671	114	15	6
D1672	114	15	6

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1673	114	15	6
D1682	4	1	4
D1683	78	12	7
D1684	11	2	6
D1690	1	1	1
D1692	127	17	1
D1693	128	17	1
D1694	128	17	1
D1698	12	2	8
D1699	15	2	9
D1712	114	15	6
D1719	97	15	2
D1729	79	14	1
E1730	141	22	0

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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.

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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**]

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TESORO REFINING AND MARKETING CO, LLC

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.

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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 2004, 4-6-2007**]

F34.1 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):

40CFR79

40CFR80

[**40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999**]

F52.2 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR61, Subpart FF

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

F52.3 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR60 Subpart A

40CFR61 Subpart A

40CFR63 Subpart A

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

[**40CFR 60 Subpart A, 4-4-2014; 40CFR 61 Subpart A, 2-27-2014; 40CFR 63 Subpart A, 3-27-2014**]

F52.4 This facility is subject to the applicable requirements of the following rules or regulation(s):

Consent Decree Civil No. H-01-0978, 3-21-2001

[**CONSENT DECREE, 3-21-2001**]

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
Benzene	40CFR61, SUBPART	FF

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

[Processes subject to this condition : 1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 15]

SYSTEM CONDITIONS

S1.1 The operator shall limit the loading rate to no more than 1262500 barrel(s) in any one year.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, loading rate shall be defined as the combined loading rate of D790 in Process 14, System 4 and D1040 in Process 14, System 5, and shall be recorded by shipping records.

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

[Systems subject to this condition : Process 14, System 4 , 5]

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 6, System 1 , 3]

S7.1 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall drive all 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.

The operator shall clean or wet down the ground area below the conveyors to prevent airborne dust.

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

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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 1158, 7-11-2008**]

[Systems subject to this condition : Process 2, System 8]

S7.2 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall drive all 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.

The operator shall clean or wet down the ground area below the conveyors to prevent airborne dust.

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

The operator shall drain raw coke from the coker pit before loading to the conveyor hopper to minimize spillage of coke from elevated inclined conveyors.

[**RULE 1158, 7-11-2008**]

[Systems subject to this condition : Process 2, System 9]

S11.2 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 15-oct-2001 for this facility.

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

[CA PRC CEQA, 11-23-1970]

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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 3 , 7]

S11.3 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 04-10-2009 for this facility.

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

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 17, System 4]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

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

[Systems subject to this condition : Process 4, System 7; Process 6, System 3; Process 12, System 1 , 2; Process 23, System 1]

S13.3 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, 7-11-2008**]

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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 2, System 8 , 9]

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	1123

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

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 3 , 6 , 7 , 10; Process 3, System 1 , 2 , 4 , 5; Process 4, System 1 , 3 , 5 , 7 , 9; Process 5, System 1 , 3 , 5; Process 6, System 1 , 3; Process 8, System 1; Process 9, System 1 , 2 , 3; Process 12, System 8; Process 19, System 3; Process 21, System 1 , 2 , 3 , 4]

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	1176

[**RULE 1176, 9-13-1996**]

[Systems subject to this condition : Process 12, System 1 , 2 , 3 , 4 , 7; Process 19, System 4]

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	1149
VOC	District Rule	463

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

[Systems subject to this condition : Process 15, System 3]

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

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

[**RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 11-4-2011**]

[Systems subject to this condition : Process 15, System 1 , 2 , 7]

S13.8 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

[**RULE 461, 4-6-2012**]

[Systems subject to this condition : Process 19, System 1 , 2]

S13.9 All devices under this system are 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	District Rule	1178
VOC	District Rule	1149

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

[**RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 11-4-2011**]

[Systems subject to this condition : Process 15, System 5]

S15.1 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.

This process/system shall not be operated unless the refinery flare 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**]

[Systems subject to this condition : Process 15, System 3]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All emergency vent gases shall be directed to the refinery flares (process 21, system 1) or flare gas recovery system (process 21, system 4) which may also include DCU Blowdown Compressor C-137 (device D68) except Devices IDs D898, D20, D910, D1268, D1269, D1280, D93, D94, D96, D1283, D1284, D1288, D1292, D219, D226, D1212, D275, D1256, D375, D928, D1267 & D916 that vent to the atmosphere.

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

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

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 3 , 6 , 10; Process 3, System 1 , 2 , 5; Process 4, System 1 , 3 , 5 , 7 , 9; Process 5, System 1 , 3 , 5; Process 6, System 1 , 3; Process 8, System 1; Process 9, System 1 , 2 , 3; Process 12, System 8; Process 19, System 3; Process 21, System 4]

S15.3 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 vapor recovery system (process 21, system 3) consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases or the flare gas recovery system (process 21, system 4).

This process/system shall not be operated unless the vapor recovery system (process 21, system 3) or flare gas recovery system (process 21, system 4) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 1, System 2; Process 2, System 3 , 6; Process 3, System 2 , 4; Process 4, System 1 , 3 , 5 , 7; Process 5, System 1 , 3 , 5; Process 6, System 1; Process 8, System 1; Process 9, System 2; Process 21, System 4]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

All vent gases under normal operating conditions shall be directed to a vapor recovery system consisting of compressors, D641, 642, 643, and/or 644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases, except devices D305, 432, 1504-1507, 1514-1524 that vent to the flare system.

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

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

[Systems subject to this condition : Process 9, System 1; Process 23, System 1]

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

All vent gases under normal operating conditions shall be directed to a vapor recovery system consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases.

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

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

[Systems subject to this condition : Process 12, System 7; Process 14, System 4 , 5]

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All vent gases under normal operating conditions shall be directed to to the fume scrubber system (P21, S2), and then to the boiler system (P18) with at least one of four boilers (D722-5) in operation.

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

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

[Systems subject to this condition : Process 14, System 1; Process 15, System 4]

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 flare system.

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

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

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

S15.9 The vent gases from all affected devices of this process/system shall be vented as follows:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All vent gases under normal operating conditions shall be directed to a vapor recovery system (process 21 system 3) consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases, or the flare gas recovery system (process 21, system 4) except Device D1151 that vents to the atmosphere.

This process/system shall not be operated unless the vapor recovery system(process 21, system3) or flare gas recovery system (process 21, system 4) is in full use and has a valid permit to receive vent gases from this system.

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

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

S15.10 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases under normal operating conditions shall be directed to the amine absorber(s) located in this system.

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

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

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

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

All sour gases under normal operating conditions shall be directed to the fuel gas treating system(s) (Process 12, System 8 or Process 4, System 9).

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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

[Systems subject to this condition : Process 2, System 6; Process 21, System 3 , 4]

S15.12 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 FCCU gas treating system.

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

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

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

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

All sour gases under normal operating conditions shall be directed to the fuel gas treating system (Process 4, System 9) or to the scrubber located in Process 8, System 1.

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

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

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All vent gases under normal operating conditions shall be directed to the propane storage tanks or the flare gas recovery system (Process 21, System 4).

All emergency vent gases shall be directed to the flare recovery system (Process 21, System 4).

This process/system shall not be operated unless the flare gas recovery system (Process 21, System 4) is in full use and has a valid permit to receive vent gases from this system

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

[Systems subject to this condition : Process 14, System 2]

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:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Treating/Stripping Units (Process: 12, System: 1 & 7)

Loading/Unloading (Process: 14, System: 4 & 5)

Isomerization Unit (Process: 23, System: 1)

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

[Systems subject to this condition : Process 21, 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:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Fuel Gas Treating System (Process: 12, System: 8)

Loading and Unloading (Process: 14, System: 2 & 3)

Pressurized Storage Tanks (Process: 15, System: 3)

Fuel Gas Mix System (Process: 19, System: 3)

Isomerization Unit (Process: 23, System: 1)

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

[Systems subject to this condition : Process 21, System 1]

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:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Inorganic Chemical Loading and Unloading (Process: 14, System: 1)

Miscellaneous Storage Tanks (Process: 15, System: 4)

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

[Systems subject to this condition : Process 21, System 2]

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:

DCU Blowdown Recovery System (Process: 2, System: 6)

Refinery Vapor Recovery System (Process: 21, System: 3)

Flare Gas Recovery System (Process: 21, System: 4)

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

[Systems subject to this condition : Process 4, System 9; Process 12, System 8]

S18.5 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

FCCU Recovery System (Process: 3, System: 1)

FCCU Cracking Section (Process: 3, System: 2)

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

S18.6 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Treating/Stripping Units (Process: 12, System: 1 & 7)

Loading/Unloading (Process: 14, System: 4 & 5)

Isomerization Unit (Process: 23, System: 1)

Two-Position propane truck loading (Process: 14, System: 2)

[**RULE 1118, 11-4-2005; RULE 1303(a)(1)-BACT, 5-10-1996**]

[Systems subject to this condition : Process 21, System 4]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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) 347559, 347560, 347564, 366048, 366083, 376616, 376622, 376623, 376624, 376625, 376627, 376628, 381228, 435139, 457927, 501287 & 501288:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

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

[Systems subject to this condition : Process 2, System 1; Process 3, System 1; Process 4, System 1 , 3 , 7; Process 5, System 1 , 3 , 5; Process 6, System 1; Process 8, System 1; Process 9, System 1; Process 15, System 3; Process 23, System 1]

S31.2 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 501291, 494382 & 472872:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

The operator shall provide to the District no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

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

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

[Systems subject to this condition : Process 21, System 4]

S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 470262, 470291, 484368 &484369:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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.

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

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

[Systems subject to this condition : Process 1, System 4; Process 12, System 7; Process 17, System 4]

S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 520770, 551269, 553835 &562262:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

All new components in VOC service as defined by 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. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The following leaks shall be repaired within 7 calendar days -- all light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid components leaking at a rate of 100 to 500 ppm and greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 2 calendar days -- any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 1 calendar day -- any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

ppmv for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer. This condition shall not apply to leakless valves.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new valves and the new flange population inspected are found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, prior to initial startup, a list of all non-leakless type valves that were installed. The list shall include the tag numbers for the valves and reasons why leakless valves were not used. The operator shall not startup the equipment prior to the Districts approval for the use of all non-leakless valves

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets or field inspection surveys for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

[Systems subject to this condition : Process 2, System 6; Process 4, System 5; Process 9, System 1; Process 14, System 2]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 526722:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

All new components in VOC service as defined by 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. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The following leaks shall be repaired within 7 calendar days -- all light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid components leaking at a rate of 100 to 500 ppm and greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 2 calendar days -- any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 1 calendar day -- any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

ppmv for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer. This condition shall not apply to leakless valves.

All new process drains are subject to District Rule 1176 and 40 CFR Subpart QQQ

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new valves and the new flange population inspected are found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, prior to initial startup, a list of all non-leakless type valves that were installed. The list shall include the tag numbers for the valves and reasons why leakless valves were not used. The operator shall not startup the equipment prior to the Districts approval for the use of all non-leakless valves

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets or field inspection surveys for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

[**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 2, System 10]

S42.1 The operator shall not operate the FCCU unless the operator complies with the emission limits of the following Rule:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

1. Award contract(s) to construct and install the control technology by April 28, 2006.
2. Commence construction phase of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by the later of May 1, 2006 or within 30 days of receiving permit. These dates may be extended in writing by the Executive Officer upon a request by Equilon if the CEQA document is not finalized by April 30, 2006. Such extension(s) shall not be for a period more than five months after the original deadline listed in this paragraph.
3. Start operation of the control technology permitted to ensure compliance with Rule 1105.1 (d)(1) by April 30, 2007.
4. Comply with Rule 1105.1 (d)(1) requirements no later than June 30, 2007.

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

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

DEVICE CONDITIONS

A. Emission Limits

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 136 LBS PER DAY
PM10	Less than or equal to 26 LBS PER DAY
ROG	Less than or equal to 26 LBS PER DAY
SOX	Less than or equal to 86368 LBS IN ANY ONE YEAR

The operator shall calculate the emission limit(s) of CO based on the AQMD certified continuous monitor pursuant to Rule 218 for all operating scenarios including normal operation, decoking, startups, shutdowns. This monitoring system shall have the capability to show the cumulative daily emissions.

The operator shall calculate the emission limit(s) of SOx by using daily emission data reported to the AQMD pursuant to Regulation XX, for any 365-day period to demonstrate exemption from PSD requirements.

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

[Devices subject to this condition : D32]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 543 LBS PER DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment D810 and D812.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D810, D812]

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

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than or equal to 583 TONS IN ANY ONE YEAR
SOX	Less than or equal to 430 TONS IN ANY ONE YEAR

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment D112, D120, D146, D214, D215, D216, D217,D218, D722, D723, D724, D725, D770, D810, D812 & D1122.

The operator shall calculate the emission limit(s) of NOx and SOx based on the certified continuous monitor, 365-day period, to demonstrate exemption from PSD requirements. This condition applies only after Clean Fuel Phase 3 fuels are in production.

[**RULE 1703 - PSD Analysis, 10-7-1988**]

[Devices subject to this condition : D112, D120, D146, D214, D215, D216, D217, D218, D722, D723, D724, D725, D770, D810, D812, D1122]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 10 Percent opacity

[**RULE 1158, 7-11-2008**]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D34, D41, D45, D47, D49, D1093, D1094, D1155, D1156, D1157, D1158, D1159, D1160, D1161, D1162, D1164, D1165, D1170, D1173, D1174, D1175, D1176, D1438, D1698, D1699]

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 30 Percent opacity

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.102(a)(2)) during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit (40CFR60.102(a)(2)) unless otherwise specified in the applicable standard.

The operator shall keep records to demonstrate compliance or exemption from this condition.

[**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

A63.10 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 123 LBS PER DAY
PM	Less than or equal to 78 LBS PER DAY
ROG	Less than or equal to 67 LBS PER DAY
SOX	Less than or equal to 88493 LBS IN ANY ONE YEAR

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall calculate the emission limit(s) of CO based on the AQMD certified continuous monitor pursuant to Rule 218. This monitoring system shall have the capability to show the cumulative daily emissions.

The operator shall calculate the emission limit(s) of SOx by using daily emission data reported to the AQMD pursuant to Regulation XX, for any 365-day period to demonstrate exemption from PSD requirements.

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

[Devices subject to this condition : D9]

A99.4 The 3.6 Lbs/hr PM10 emission limit(s) shall only apply when the fresh feed to the FCCU is 30.9 thousand barrels per day or less.

For the purposes of this condition, PM10 emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule.

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

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

[Devices subject to this condition : D96]

A99.5 The 2.8 lb/1000 bbl fresh feed PM10 emission limit(s) shall only apply when the fresh feed to the FCCU is 30.9 thousand barrels per day or more.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purposes of this condition, PM10 Emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule..

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

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

[Devices subject to this condition : D96]

A99.17 The 35 PPM CO emission limit(s) shall not apply during the following periods:.

a) Up to 2 hours during a heater shutdown, OR

b) The time that the heater process outlet temperature reading is less than 680 degree F during a heater shutdown/startup.

However, the daily emission rate of 123 lbs/day specified in condition A63.10 shall apply at all times.

For the purposes of this condition, a heater shutdown/startup shall be defined as when the fuel gas to the heater drops below 15 MSCFH..

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

[Devices subject to this condition : D9]

A99.18 The 35 PPM CO emission limit(s) shall not apply during the following periods:.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

a) Up to 2 hours during a heater shutdown, OR

b) The time begining when either (or both) process outlet temperature reading for the heater is below 850 degree F and ending when both process temperature readings (north and south) are above 850 degree F

However, the daily emission rate of 136 lbs/day specified in condition A63.2 shall apply at all times.

For the purposes of this condition, a heater shutdown/startup shall be defined as when the fuel gas to either (or both) side of the heater (north or south) drops below 15 MSCFH.

Written records of shutdowns and startups shall be maintained and made available upon request from the Executive Officer or his designee

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

[Devices subject to this condition : D32]

A195.1 The 5 PPMV NH3 emission limit(s) is averaged over 60 minutes at 15 percent O2 dry.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall calculate and continuously record the NH3 slip concentration using the following:NH3(ppmv)=[a-b*c/1E6]*1E6/b, where a=NH3 injection rate(lb/hr)/17 (lb/lbmole), b= dry exhaust gas flow rate(lb/hr)/29(lb/lbmole), and c= change in measured NOx across the SCR(ppmvd at 15 percent O2). The operator shall install and maintain a NOx analyzer to measure the SCR inlet NOx ppm accurate to within plus or minus 5 percent calibrated at least once every 12 months.

The operator shall use the method described above or another alternative method approved by the Executive Officer.

The ammonia slip calculation procedures described above shall not be used for compliance determination for emission information determination without corroborative data using an approved reference test method for the determination of ammonia.

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

[Devices subject to this condition : C1536, C1538]

A195.2 The 10 PPMV NH3 emission limit(s) is averaged over consecutive 60 minutes at 3 percent O2 dry.

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

[Devices subject to this condition : C1575, C1576, C1577]

A195.3 The 51.9 PPMV NOX emission limit(s) is averaged over 365-day rolling and at 0% O2.

For the purposes of this condition, this limit is a long term limit which applies at all times including during start-up, shutdown, malfunction and hydrotreater outages as well as operation of the FCCU with or witthout the CO Boiler operating.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[**CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

A195.4 The 36.2 PPMV SOX emission limit(s) is averaged over 365-day rolling at 0% O2.

For the purposes of this condition, this limit is a long term limit which applies at all times including during start-up, shutdown, malfunction and hydrotreater outages as well as operation of the FCCU with or witthout the CO Boiler operating.

[**CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

A195.5 The 63.2 PPMV NOX emission limit(s) is averaged over 24-hour rolling at 0% O2.

For the purposes of this condition, this limit shall apply when the FCCU and CO boiler are operating and does not apply during periods of start-up, shutdown, malfunction and hydrotreater outages.

[**CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

A195.6 The 88.6 PPMV NOX emission limit(s) is averaged over 24-hour rolling at 0% O2.

For the purposes of this condition, this limit shall apply when only the FCCU is operating and does not apply during periods of start-up, shutdown, malfunction and hydrotreater outages.

[**CONSENT DECREE, 3-21-2001**]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D96]

A195.8 The 69.1 PPMV SOX emission limit(s) is averaged over 7-day rolling at 0% O2.

For the purposes of this condition, this limit shall apply when only the FCCU is operating and does not apply during periods of start-up, shutdown, malfunction and hydrotreater outages.

[**CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

A229.1 The 0.1 lbs/MM Btu emission limit is calculated by an annual average CEMS data.

For the purpose of this condition, the emission limit is for NOx emission limit.

[**CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D89, D90]

A305.1 Whenever this equipment is in operation, the SCR serving this equipment, C764, is not required to be in operation, but 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 : D9]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

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

[Devices subject to this condition : D810, D812]

B. Material/Fuel Type Limits

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.5 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D543, D549, D568, D582, D583, D586, D587, D588, D591, D605, D609, D632, D635, D647, D657, D1555]

B22.2 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.5 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D515]

B22.3 The operator shall only use this equipment with materials having a(n) true vapor pressure of 5.7 psia or less under actual operating conditions.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D639]

B22.4 The operator shall not use this equipment with materials having a(n) true vapor pressure of 10 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D547, D550, D551]

B22.8 The operator shall not use this equipment with materials having a(n) true vapor pressure of 11 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D557, D561, D564, D654, D982, D1078]

B22.9 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.7 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D602, D608]

B22.10 The operator shall not use this equipment with materials having a(n) true vapor pressure of 9.15 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D595]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B22.11 The operator shall not use this equipment with materials having a(n) true vapor pressure of 6.6 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D606, D607]

B22.12 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D581]

B22.13 The operator shall not use this equipment with materials having a(n) true vapor pressure of 4.7 psia or less under actual operating conditions.

This true vapor pressure shall only apply when storing Transmix Gasoline

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

[Devices subject to this condition : D606]

B27.1 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03/04/2005.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D1573]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Fuel gas. The term "fuel gas" shall be defined as either refinery gas, or vaporized LPG, or natural gas, or any combination thereof.

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

[Devices subject to this condition : D251]

B59.2 The operator shall only use the following material(s) in this device :

Perchloroethylene

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

[Devices subject to this condition : D1533]

B59.3 The operator shall only use the following material(s) in this device :

AMMONIA

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D311]

B59.4 The operator shall only use the following material(s) in this device :

Crude Oil, Light Cycle Oil, Gas Oil, Diesel

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[**RULE 1303, 5-10-1996**]

[Devices subject to this condition : D613, D617, D630]

B59.5 The operator shall only use the following material(s) in this device :

Crude Oil, Diesel Oil

[**RULE 1303, 5-10-1996**]

[Devices subject to this condition : D618, D621]

B59.8 The operator shall only use the following material(s) in this device :

Light Crude Oil with true vapor pressure of 7.5 psia or less, Heavy Crude Oil, Recycle Oil, Heavy Gas Oil, Light Gas Oil, Diesel.

[**RULE 1303, 5-10-1996**]

[Devices subject to this condition : D614]

B59.9 The operator shall only use the following material(s) in this device :

Gasoline

[**RULE 1303, 5-10-1996**]

[Devices subject to this condition : D593]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.10 The operator shall only use the following material(s) in this device :

Non-Commingled Stormwater

Tesoro shall keep for the life of the facility in a readily accessible location , plans, or specifications which demonstrate that no wastewater from any process units or equipment is directly discharged to the storwater sewer system

[**RULE 1303, 5-10-1996**]

[Devices subject to this condition : D1719]

B59.11 The operator shall only use the following material(s) in this device :

Caustic/Spent Caustic

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D1670, D1671, D1672, D1673]

B59.12 The operator shall only use the following material(s) in this device :

Heavy Gas Oil, Diesel, Jet Fuel, Cycle Oil

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D603]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.13 The operator shall only use the following material(s) in this device :

Gasoline and Naphtha

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D599]

B59.14 The operator shall only use the following material(s) in this device :

Heated Light Crude Oil,, Unheated Light Crude Oil

Heated Heavy Crude Oil up to 140 degrees F, Unheated Heavy Crude Oil

Diesel, Gas Oil

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D624]

B59.15 The operator shall only use the following material(s) in this device :

Sweet Spent Caustic

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D1712]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit of 160 ppm shall be based on a rolling 3-hour averaging period at the standard conditions of 60 F and 14.7 psia, as defined in Rule 102. This H2S concentration limit of 160 ppm is equivalent to 162 ppm at the standard conditions of 68 F and 29.92" Hg, as defined in 40CFR 60 Subpart A.

[**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D9, D32, D33, D89, D90, D91, D92, D112, D120, D146, D157, D158, D194, D196, D214, D215, D216, D217, D218, D247, D248, D249, D250, D251, D384, D385, D386, D387, D388, D722, D723, D724, D725, D770, D777, D1122]

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

Compound	weight percent
Sulfur compounds less than	0.05

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

[Devices subject to this condition : D713, D714, D1100, D1101, D1102, D1103, D1104]

B61.4 The operator shall not use fresh feed containing the following specified compounds:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Compound	weight percent
Total sulfur greater than	0.3

[**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

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

Compound	weight percent
Total sulfur greater than	0.8

The sulfur concentration limit shall be based on a daily average

[**40CFR 60 Subpart GG, 2-24-2006**]

[Devices subject to this condition : D810, D812]

B61.6 The operator shall not use diesel fuel containing the following specified compounds:

Compound	ppm by weight
Sulfur greater than	15

[RULE 1470, 5-4-2012; **RULE 431.2, 5-4-1990;** RULE 431.2, 9-15-2000]

[Devices subject to this condition : D1617, D1618, D1645, D1646, D1692, D1693, D1694]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit of 160 ppm shall be based on a rolling 3-hour averaging period at the standard conditions of 60 F and 14.7 psia, as defined in Rule 102. This H2S concentration limit of 160 ppm is equivalent to 162 ppm at the standard conditions of 68 F and 29.92" Hg, as defined in 40CFR 60 Subpart A.

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

[Devices subject to this condition : D810, D812]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 276000 lb(s)/hr.

For the purpose of this condition, material processed shall be defined as steam produced on an average daily basis from equipment ID: D722, D723, D724 & D725 when two turbines, D810 & D812, and the CO boiler, D112, are in operation.

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

[Devices subject to this condition : D722, D723, D724, D725]

C1.2 The operator shall limit the throughput to no more than 1000 gallon(s) per year.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D1120, D1121]

C1.3 The operator shall limit the loading rate to no more than 20000 gallon(s) per day.

For the purpose of this condition, loading rate shall be defined as the throughput recorded by the shipping records.

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

[Devices subject to this condition : D515]

C1.4 The operator shall limit the throughput to no more than 425000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level meausrement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D602, D608]

C1.5 The operator shall limit the throughput to no more than 600,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way(increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings..

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D595]

C1.7 The operator shall limit the throughput to no more than 168885 barrel(s) in any one year.

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

[Devices subject to this condition : D550]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.8 The operator shall limit the throughput to no more than 152083 barrel(s) in any one month.

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way(increasing)volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

In the event of a failure of a component of the ATLGS, the throughput shall be determined by utilizing the one-hour average from the previous 30 days during the period that data was not available.

During routine maintenance or manual gauging, the throughput shall be determined by utilizing the one-hour average from the previous 30 days during the period that data was not available.

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

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

[Devices subject to this condition : D561, D564]

C1.15 The operator shall limit the heat input to no more than 90000 MM Btu in any one year.

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D91, D194, D196]

C1.18 The operator shall limit the throughput to no more than 375000 barrel(s) in any one calendar month.

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurents shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D654]

C1.19 The operator shall limit the number of turnovers to no more than 130 in any one year.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D639]

C1.21 The operator shall limit the number of turnovers to no more than 12.5 in any one year.

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

[Devices subject to this condition : D523]

C1.22 The operator shall limit the number of turnovers to no more than 26 in any one year.

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

[Devices subject to this condition : D524]

C1.23 The operator shall limit the number of turnovers to no more than 183 in any one year.

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

[Devices subject to this condition : D562, D563]

C1.24 The operator shall limit the throughput to no more than 5.475e+06 barrel(s) in any one year.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D688]

C1.25 The operator shall limit the throughput to no more than 3e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D657]

C1.26 The operator shall limit the throughput to no more than 72083 barrel(s) in any one month.

The operator shall shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way(increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

In the event of a failure of a component of the ATLGS, the throughput shall be determined by utilizing the one-hour average from the previous 30 days during the period that data was not available.

During routine maintenance or manual gauging, the throughput shall be determined by utilizing the one-hour average from the previous 30 days during the period that data was not available.

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D557]

C1.27 The operator shall limit the throughput to no more than 274651 barrel(s) in any one year.

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

[Devices subject to this condition : D546]

C1.28 The operator shall limit the throughput to no more than 3,500,000 barrel(s) in any one year.

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

[Devices subject to this condition : D1500]

C1.29 The operator shall limit the throughput to no more than 200000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system (ATLGS). The ATLGS shall measure the tank lquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way(increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8 %, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D589, D600]

C1.31 The operator shall limit the throughput to no more than 450000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8% , whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D652]

C1.32 The operator shall limit the throughput to no more than 350000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurents shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D655, D1078]

C1.33 The operator shall limit the throughput to no more than 650000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The voume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D648, D658]

C1.34 The operator shall limit the throughput to no more than 12000 gallon(s) per year.

The operator shall use the purchase invoices to determine the throughput of stored liquid.

[RULE 1401, 3-7-2008]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D1533]

C1.35 The operator shall limit the throughput to no more than 300,000 barrel(s) in any one calendar month.

The operator shall utulize an automatic tank level gauging device to determie throughput. The automatic level gauge(tank liquid level) will be manually recorded every 4 hours during the time that product movement occurs and at the start and the end of each product movement. The liquid volume shall be calculated using the tank liquid level records and the tank strapping tables. The throughput in barrels shall be calculated the sum of total one-way (increasing) volume movements on a monthly basis.

The operator shall keep monthly records on the throughput and the vapor pressure for each type of stored product.

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

[Devices subject to this condition : D653]

C1.36 The operator shall limit the throughput to no more than 350,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quareter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D659]

C1.37 The operator shall limit the throughput to no more than 900,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This limit shall not apply when this tank is used in storing Transmix Gasoline. The total throughput shall be limited to 360, 000 barrels in any one calender month in which Transmix Gasoline is stored for any length of time.

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calulate the throughput in barrels using the total one-way(increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings..

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D606, D607]

C1.40 The operator shall limit the throughput to no more than 600,000 barrel(s) in any one month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way(increasing)volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

In the event of a failure of a component of the ATLGS, the throughput shall be determined by utilizing the one-hour average from the previous 30 days during the period that data was not available.

During routine maintenance or manual gauging, the throughput shall be determined by utilizing the one-hour average from the previous 30 days during the period that data was not available.

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

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

[Devices subject to this condition : D614, D982]

C1.41 The operator shall limit the throughput to no more than 400,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quareter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D649]

C1.42 The operator shall limit the throughput to no more than 300,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D630]

C1.43 The operator shall limit the maintenance and 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.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[**RULE 1303(a)-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 1470, 5-4-2012]

[Devices subject to this condition : D1617, D1618, D1645, D1646]

C1.44 The operator shall limit the maintenance and testing to no more than 5 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(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D1617, D1618, D1645, D1646]

C1.45 The operator shall limit the operating time to no more than 199 hour(s) in any one 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 1470, 5-4-2012]

[Devices subject to this condition : D1617, D1618, D1645, D1646]

C1.46 The operator shall limit the loading rate to no more than 912500 barrel(s) of Pentane in any one year.

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

[Devices subject to this condition : D1040]

C1.47 The operator shall limit the throughput to no more than 350,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D613, D618, D621]

C1.49 The operator shall limit the throughput to no more than 152,167 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This condition shall only apply when this tank is storing product having a vapor pressure of 0.1 psia or lower.

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D547, D551]

C1.51 The operator shall limit the throughput to no more than 14,074 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This condition shall only apply when this tank is storing product of vapor pressure of 0.1 psia or greater. If this tank is storing product of vapor pressure of 0.1 psia or lower, refer to condition C1.49 for throughput limit.

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D547, D551]

C1.53 The operator shall limit the throughput to no more than 608,333 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days..

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D593]

C1.54 The operator shall limit the throughput to no more than 500,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D603, D617]

C1.55 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This engine shall not be operated more than 199 hour(s) in any one year, which include no more than 34 hours in any one year and no more than 2.8 hours in any one month, both, for maintenance and testing.

The 34 hours limit for maintenance and testing is to ensure compliance with requirements of National Fire Protection Association (NEPA) publication 25.

[**RULE 1110.2, 2-1-2008;** RULE 1110.2, 9-7-2012; **RULE 1304(c)-Offset Exemption, 6-14-1996;** RULE 1470, 5-4-2012]

[Devices subject to this condition : D713]

C1.56 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

This engine shall not be operated more than 199 hours in any one year, which includes no more than 20 hours in any one year and no more than 1.7 hours in any one month, both, for maintenance and testing.

[**RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 5-4-2012; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D714, D1100, D1101, D1102, D1103, D1104]

C1.57 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

This engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year and no more than 4.2 hours in any one month for maintenance and testing.

[**RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 5-4-2012; **RULE 2012, 5-6-2005**]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D1692, D1693, D1694]

C1.58 The operator shall limit the throughput to no more than 600,000 barrel(s) in any one calendar month.

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D599]

C1.59 The operator shall limit the throughput to no more than 500,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS 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 ATLGS went out of service.

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

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

[Devices subject to this condition : D624]

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use an explosimeter or equivalent device to monitor the hydrocarbon concentration in the vapor space above the floating roof device twice a year to a 4 to 8 month interval.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D659, D660]

C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 4 inches HG.

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

The operator shall record and keep records of the differential pressure readings once per week.

[**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**]

[Devices subject to this condition : C1574]

C6.4 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use an explosimeter or equivalent device to monitor the hydrocarbon concentration in the vapor space above the floating roof device on a semi-annual basis.

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

[Devices subject to this condition : D593, D599, D603, D613, D614, D617, D618, D621, D624, D630]

C8.2 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.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This condition shall only apply when waste gases are being incinerated.

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 10 percent. It shall be calibrated once every 12 months.

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

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

[Devices subject to this condition : D722, D723, D724, D725]

C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 20 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the caustic scrubbing solution.

The operator shall determine and record the parameter being monitored daily.

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

[Devices subject to this condition : C761, C762]

C12.2 The operator shall use this equipment in such a manner that the ESP daily average voltage and secondary current (or total power input) being monitored as indicated below are greater than or equal to the average value in the most recent source test which demonstrated compliance with the emission limits.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

1. Total flue gas inlet temperature to ESPs
2. Total flue gas flow rate
3. Current across each ESP
4. Voltage across each ESP

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

If the daily average ESP total power input falls below the level measured in the most recent source test which demonstrated compliance with the emission limit, a source test shall be performed within 90 days at the new minimum daily average ESP total power level. The source test shall be performed according to the requirements specified in Permit Condition D29.8

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

[Devices subject to this condition : C1575, C1577]

C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

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

[Devices subject to this condition : D713]

D. Monitoring/Testing Requirements

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.1 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature across the SCR bed when the SCR is in service.

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

[Devices subject to this condition : C764, C768, C771, C773, C775, C778, C784, C786, C788]

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

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

[Devices subject to this condition : D713, D714, D1100, D1101, D1102, D1103, D1104, C1576]

D12.3 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the water-to-fuel ratio of the cogeneration system.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 475, 10-8-1976;** RULE 475, 8-7-1978; **40CFR 60 Subpart GG, 2-24-2006**]

[Devices subject to this condition : D810, D812]

D12.4 The operator shall install and maintain a(n) thermocouple or any other equivalent device to accurately indicate the presence of a flame at the pilot light.

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

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TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[**RULE 1118, 11-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 4-4-2014**]

[Devices subject to this condition : C747, C748]

D12.6 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the the total hourly throughput recorded of injected ammonia.

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

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

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

[Devices subject to this condition : C1536, C1538]

D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the exhaust at the inlet to the SCR reactor.

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

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

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

[Devices subject to this condition : C1536, C1538]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.8 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column.

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

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

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

[Devices subject to this condition : C1536, C1538]

D12.13 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[**RULE 1110.2, 2-1-2008;** RULE 1110.2, 9-7-2012; RULE 1470, 5-4-2012; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D1617, D1618, D1645, D1646, D1692, D1693, D1694]

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 to confirm the emission limits of this equipment as specified in Condition A63.2 for device D32 and Condition A63.10 for device D9.

The test shall be conducted to determine and report the mass emission rate in pound per hour for ROG, PM10 and CO.

Source test shall be conducted when this equipment is operating at 80 percent or greater of the permitted maximum rated capacity.

The test shall be conducted to confirm the CO emission concentration limit of 35 ppm, corrected to 3 percent oxygen, dry basis.

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

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

The test shall be conducted at least once every three years for ROG, PM10 and CO emissions.

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

[Devices subject to this condition : D9, D32]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least annually.

The test shall be conducted when the SCR is in use to determine the NH3 emissions at the outlet.

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TESORO REFINING AND MARKETING CO, LLC

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

[Devices subject to this condition : C764, C768, C771, C773, C775, C778, C784, C786, C788]

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

The test shall be conducted to determine emission rate of NOx, SOx, ROG, CO, PM and PM10. The operator shall submit a test protocol to the District at least 60 days prior to the initial testing. The initial and annual test shall be conducted according to the approved test protocol or any subsequently approved revisions. The report of the test and operating condition of the equipment shall be submitted to the District within 60 days after the test.

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

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

[Devices subject to this condition : D96]

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet

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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(s) shall be conducted at least annually.

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

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

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

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 405, 2-7-1986; CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

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

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet

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

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

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

[Devices subject to this condition : D810, D812]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet

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

The test shall be conducted when the equipment being vented by the SCR are operating under normal conditions.

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

[Devices subject to this condition : C786]

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
NH3 emissions	District method 207.1 or EPA method 17	1 hour	Outlet of the SCR serving this equipment

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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(s) shall be conducted at least once each calendar quarter during the first 12 months of operation and at least annually therafter. The NOx concentration, as determined by the CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable, a test shall be conducted to determine the NOx emissions using District Method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with Rule 1303 concentration limit.

The test shall be conducted when the equipment is operating at 80 percent load or greater.

The test shall be conducted and the results submitted to the AQMD permitting engineer within 45 days after the test date.

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

[Devices subject to this condition : C1536, C1538]

D29.7 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	District method 100.1	1 hour	Outlet of the SCR
PM emissions	Approved District method	District-approved averaging time	Outlet of the SCR
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the SCR

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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 after AQMD approval of the source test protocol, but no later than 180 days after the issuance of the permit. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the test shall record the fuel flow rate(CFH), the flue gas flowrate.

The test shall be conducted in accordance with AQMD approved source test protocol. The protocol shall be submitted to the AQMD no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences. The test protocol shall include the proposed operating conditions of the SCR during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

The test shall be conducted when the heater(s) , which this SCR is serving, is (are) operating at loads of 80 percent or greater of the permitted maximum rated capacity.

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

[Devices subject to this condition : C771, C773, C775, C778]

D29.8 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	District Method 5.2 Modified with EPA Method 201A Cyclone (filterables compliance, condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

PM10 emissions	District Method 5.2 (filterables compliance, condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's
PM10 emissions	District Method 5.2 with Previously Determined PM10 to PM Ratio Applied (filterables compliance, condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's
PM10 emissions	EPA Method 5 (filterables compliance) and District Method 5.2 (condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's
NH3 emissions	District method 207.1	1 hour	Combined Stack Outlet of the ESP's
NOX emissions	District method 100.1	1 hour	Combined Stack Outlet of the ESP's
CO emissions	District Method 100.1 or 10.1	1 hour	Combined Stack Outlet of the ESP's
VOC	District Method 25.1 or 25.3	1 hour	Combined Stack Outlet of the ESP's

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

The operator shall choose any of the PM10 test methods as indicated above to comply with Rule 1105.1 requirements and the test results of any of the selected test methods shall be used to determine compliance with Rules 404 and 405.

For the purpose of this condition filterable PM10 is the PM10 collected on the cyclone exit, probe, and filter(s) of the applicable test methods referenced above. Condensable PM10 is the PM10 collected in the impingers of the applicable test methods referenced above

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up of the new ESP's. The AQMD engineer shall be notified in writing of the date and time of the test at least 10 days prior to the test.

The test shall be conducted in accordance with AQMD approves source test protocol. The protocol shall be submitted to the AQMD no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences. The test protocol shall include the proposed operating conditions of the FCCU during the test, the identity of the test lab, a statement from the testing lab certifying that it meets the criteria of R-304, and a description of all sampling and analytical procedures.

The test shall be conducted at two different throughput ranges. The 1st throughput range when the FCCU is operating at 30.9 thousand barrels a day or less. The 2nd throughput range when the FCCU is operating at 30.9 thousand barrels per day or more.

The test(s) shall be conducted at least every year with the two different ranges after initial source test(s).

Source test results shall include the following parameters: FCCU feed rate in BPD; catalyst recirculation rate in BPD; catalyst inventory in the equipment; fresh catalyst feed; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the ESP; ammonia injection rate prior to the ESPs(if applicable) and the average current in amps , voltage in volts and spark rate at each ESP field in use

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A source test report shall be submitted to the District no later than 60 days after the source test was completed

[**RULE 1105.1, 11-7-2003; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 405, 2-7-1986**]

[Devices subject to this condition : C1575, C1576, C1577]

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

CO concentration in ppmv

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

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

[Devices subject to this condition : C811, C813]

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

CO concentration in ppmv

Oxygen concentration in percent volume

[**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

D90.2 The operator shall periodically monitor the pH of the caustic solution according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 week.

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

[Devices subject to this condition : D798]

D90.3 The operator shall periodically monitor the pH of the caustic solution whenever the scrubber is in operation according to the following specifications:

The operator shall monitor once every day.

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

[Devices subject to this condition : C232]

D90.4 The operator shall periodically monitor the VOC concentration at the outlet of the last carbon according to the following specifications:

The operator shall use a District approved Organic Vapor Analyzer (OVA) to monitor the parameter.

The operator shall monitor once every day when the carbon adsorber is in operation.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 61 Subpart FF, 12-4-2003; 40CFR 63 Subpart CC, 6-20-2013**]

[Devices subject to this condition : C472, C473, C1096]

D90.5 The operator shall continuously monitor the VOC concentration at the outlet of the last carbon adsorber according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 continuous emission monitoring system (CEMS) to monitor the parameter.

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

The operator shall monitor the VOC concentration utilizing a District approved Organic Analyzer once per day during the CEMS breakdown or maintenance periods.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart CC, 6-20-2013**]

[Devices subject to this condition : C699, C702]

D90.6 The operator shall periodically sample the caustic scrubbing solution at the inlet of the scrubber for caustic concentration analysis according to the following specifications:

The operator shall sample , analyze, and record once per day the strength of the caustic (NaOH) solution which shall not be less than 3 percent.

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

[Devices subject to this condition : C761, C762]

D90.7 The operator shall continuously monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use Gas Chromatograph 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 : D9, D32, D33, D89, D90, D91, D92, D112, D120, D146, D157, D158, D194, D196, D214, D215, D216, D217, D218, D247, D248, D249, D250, D251, D384, D385, D386, D387, D388, D722, D723, D724, D725, D770, D777, D810, D812, D1122]

D90.8 The operator shall continuously monitor the opacity at the stack according to the following specifications:

The operator shall use an opacity meter to monitor the parameter.

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

[**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Devices subject to this condition : D96]

D90.10 The operator shall continuously monitor the sulfur concentration in the fuel gases being burned in this device according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall monitor the sulfur concentration in the fuel by utilizing the SOx emission data from the certified RECLAIM SOx CEMS to calculate the sulfur concentration in the fuel as specified in the alternative monitoring plan which received EPA approval on June 23, 1998.

[**40CFR 60 Subpart GG, 2-24-2006**]

[Devices subject to this condition : D810, D812]

D90.11 The operator shall continuously monitor the temperature in degree F of the flue gas at the inlet to the ESP according to the following specifications:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The temperature monitor shall have a minimum range from 500 to 710 degrees F and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

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

[Devices subject to this condition : C1575, C1576, C1577]

D90.12 The operator shall continuously monitor the flow rate in scfm of the flue gas at the inlet to the ESP according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The flow rate monitor shall have a minimum range of 55,000 to 75,000 scfm and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

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

[Devices subject to this condition : C1575, C1576, C1577]

D90.13 The operator shall continuously monitor the voltage in volts across the ESP's T/R sets according to the following specifications:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The voltage monitor shall have a minimum range of 15 to 54 KV and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : C1575, C1576, C1577]

D90.14 The operator shall continuously monitor the current in amperes across the ESP's T/R sets according to the following specifications:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The current monitor shall have a minimum range of 400 to 1867 Amps and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

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

[Devices subject to this condition : C1575, C1576, C1577]

D90.15 The operator shall continuously monitor the the NH3 injection rate in scfh at the ESP inlet according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The NH3 injection rate monitor shall have a minimum range of 0 to 300 scfh and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

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

[Devices subject to this condition : C1575, C1576, C1577]

D90.16 The operator shall periodically monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on December 4, 2002 for the periodic monitoring and reporting of H2S concentration for the PSA Purge Gas stream to the reformer heater H-42/43.

The operator shall conduct annual source testing of the PSA purge gas and daily detector tube sampling at the outlet of the first Zinc Oxide bed to confirm that the concentration of H2S does not exceed 0-1 ppmv.

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on December 4, 2002 for reformer heater H-42/43.

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 A, 4-4-2014; 40CFR 60 Subpart J, 9-12-2012**]

[Devices subject to this condition : D777, D1122]

D90.17 The operator shall periodically monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on June 23, 2004 for the periodic monitoring and reporting of H2S concentration for the Merichem Off-Gas Fuel stream to the boiler.

The operator shall conduct daily drager tube sampling of the Merichem Off-Gas Fuel stream to confirm that the concentration of H2S does not exceed 0-1 ppmv.

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 A, 4-4-2014; 40CFR 60 Subpart J, 9-12-2012**]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D722, D723, D724, D725]

D90.18 The operator shall periodically monitor the vapor pressure of the material stored in this storage tank according to the following specifications:

The operator shall determine the true vapor pressure by one of the following methods: 1) sample and test the materials stored, 2) derive the vapor pressure using engineering calculations, or 3) maintain on file a copy of the Material Safety Data Sheet (MSDS) of the material stored.

Records of material stored, and their MSDS if applicable, shall be retained for a period of five years and made available to the Executive Officer upon request.

[**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 : D543, D547, D549, D550, D551, D557, D561, D564, D568, D582, D583, D586, D587, D588, D595, D602, D605, D606, D607, D608, D609, D632, D635, D639, D647, D654, D657, D982, D1078, D1555]

D90.19 The operator shall monitor the throughput of this storage tank according to the following specifications:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously measure and record the liquid surface level movement. The throughput, in barrels, shall be calculated using the following equation: 0.14 x D x D x 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 liquid surface level travel in feet per month. For the purpose of this condition, continuous recording is defined as once per hour.

Alternatively, for tanks which do not have an ATLG device, the throughput shall be derived by using engineering calculations using parameters obtained from process records, shipping invoices, manual tank level gauging, etc.

Records of throughput shall be retained for a period of five years and made available to the Executive Officer upon request.

[**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 : D546, D550, D648, D649, D657, D688, D1120, D1121, D1500]

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

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

[Devices subject to this condition : D713, D714]

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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

[Devices subject to this condition : C1574]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

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

4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D34, D41, D45, D47, D49, D1093, D1094, D1155, D1156, D1157, D1158, D1159, D1160, D1161, D1162, D1164, D1165, D1170, D1173, D1174, D1175, D1176, D1283, D1284, D1287, D1288, D1438, D1532, C1574, D1698, D1699]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

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

4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : C747, C748]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly inspection shall be conducted while the equipment is in operation and during daylight hours.

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

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

4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : C1575, C1576, C1577]

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 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 : D33, D89, D90, D91, D112, D120, D146, D157, D158, D194, D196, D214, D218, D247, D248, D251, D384, D386, D387, D388, D722, D723, D724, D725, D770, D777, D810, D812, D1122]

D328.2 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 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 1146, 11-1-2013; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982**]

[Devices subject to this condition : D92, D215, D216, D217, D249, D250, D385]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E. Equipment Operation/Construction Requirements

E51.2 The following condition number(s) shall not apply if any of the requirements stated below are met:

Condition Number E 71- 4

Requirement number 1: The gas turbine is in the start-up mode.

Requirement number 2: Device ID C1536 (Selective Catalytic Reduction) is in full operation

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

[Devices subject to this condition : D810]

E51.4 The following condition number(s) shall not apply if any of the requirements stated below are met:

Condition Number E 71- 4

Requirement number 1: The gas turbine is in the start-up mode.

Requirement number 2: Device ID C1538 (Selective Catalytic Reduction) is in full operation

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

[Devices subject to this condition : D812]

E54.3 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Device ID: C788 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D388]

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

Device ID: C786 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D386, D387]

E54.5 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C784 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

FACILITY PERMIT TO OPERATE
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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 : D384, D385]

E54.6 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C775 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D247, D248, D249]

E54.7 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C771 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D770]

E54.8 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Device ID: C778 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The furnace is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D777]

E54.9 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C768 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D33]

E54.10 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C778 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: The boiler is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 : D1122]

E54.13 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C788 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: Bypass is allowed for activities directly related to repair, maintenance, and the resetting of the damper following a stack damper trip

Requirement number 2: The CEMS shall be fully operational and certified to the levels of emissions with and without bypass

Requirement number 3: Total periods of bypass do not exceed 240 hours per year

Requirement number 4: The operator shall submit an annual report to the District with a summary of the number of hours the SCR was bypassed, and the description of the reason for each bypass. The annual report is due March 1 of each year

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

[Devices subject to this condition : D388]

E54.14 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Device ID: C786 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: Bypass is allowed for activities directly related to repair, maintenance, and the resetting of the damper following a stack damper trip

Requirement number 2: The CEMS shall be fully operational and certified to the levels of emissions with and without bypass

Requirement number 3: Total periods of bypass do not exceed 240 hours per year

Requirement number 4: The operator shall submit an annual report to the District with a summary of the number of hours the SCR was bypassed, and the description of the reason for each bypass. The annual report is due March 1 of each year

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

[Devices subject to this condition : D386, D387]

E54.15 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C784 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: Bypass is allowed for activities directly related to repair, maintenance, and the resetting of the damper following a stack damper trip

Requirement number 2: The CEMS shall be fully operational and certified to the levels of emissions with and without bypass

Requirement number 3: Total periods of bypass do not exceed 240 hours per year

Requirement number 4: The operator shall submit an annual report to the District with a summary of the number of hours the SCR was bypassed, and the description of the reason for each bypass. The annual report is due March 1 of each year

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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 2012, 5-6-2005**]

[Devices subject to this condition : D384, D385]

E54.16 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C775 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: Bypass is allowed for activities directly related to repair, maintenance, and the resetting of the damper following a stack damper trip

Requirement number 2: The CEMS shall be fully operational and certified to the levels of emissions with and without bypass

Requirement number 3: Total periods of bypass do not exceed 240 hours per year

Requirement number 4: The operator shall submit an annual report to the District with a summary of the number of hours the SCR was bypassed, and the description of the reason for each bypass. The annual report is due March 1 of each year

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

[Devices subject to this condition : D247, D248, D249]

E54.17 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Device ID: C768 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: Bypass is allowed for activities directly related to repair, maintenance, and the resetting of the damper following a stack damper trip

Requirement number 2: The CEMS shall be fully operational and certified to the levels of emissions with and without bypass

Requirement number 3: Total periods of bypass do not exceed 240 hours per year

Requirement number 4: The operator shall submit an annual report to the District with a summary of the number of hours the SCR was bypassed, and the description of the reason for each bypass. The annual report is due March 1 of each year

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

[Devices subject to this condition : D33]

E54.18 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

Device ID: C472 [[ADSORBER V2315/V2316] and C473[ADSORBER V2313/V2314]]

Requirement number 1: This equipment is vented to the Vapor Recovery System (Process 21 System 3) which is in full use

[**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 : D463, D464, D465, D471]

E57.1 The operator shall vent this equipment to scrubber C232 whenever scrubbers C761 and C762 are shutdown for breakdown or maintenance.

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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**]

[Devices subject to this condition : D505]

E71.1 The operator shall only use this equipment for holding excess storm water, or holding separator effluent water in the event of mechanical problems or upset conditions in the final effluent treating units. It may also be used for surge storage of fresh water during plant water well outage. This equipment shall be completely emptied as soon as possible after receipt of effluent water.

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

[Devices subject to this condition : D688]

E71.3 The operator shall only use this equipment to process the sludge from Equipment ID D469 (TK-6002/6003).

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

[Devices subject to this condition : D703]

E71.4 The operator shall only operate this equipment if the water injection is in full operation.

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

[Devices subject to this condition : D810, D812]

E71.5 The operator shall only use this equipment if the pH of the caustic solution in this equipment is maintained at equal or greater than 10.

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

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

[Devices subject to this condition : C232]

E71.6 The operator shall only use this equipment for loading spent caustic solution having pH equal or greater than 10.

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

[Devices subject to this condition : D798]

E71.7 The operator shall only inject anhydrous ammonia into this equipment if the flue gas inlet temperature to this equipment is 550 degrees F or higher.

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

[Devices subject to this condition : C764, C768, C771, C773, C775, C778, C784, C786, C788]

E71.8 The operator shall only use this equipment for processing storm and rain water run-off.

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

[Devices subject to this condition : D697, D700]

E71.10 The operator shall only use this equipment for storing waste water discharged from laboratory operations.

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

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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 : D1095]

E71.11 The operator shall only operate this equipment if the caustic solution is maintained at a minimum height of 1 FT.

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

[Devices subject to this condition : C232]

E71.12 The operator shall only limit the product deliveries to this equipment to no more than 61 trucks per year. The operator shall use the purchases invoices and other records to demonstrate compliance with the number of truck deliveries of Ammonia.

[**RULE 1303, 5-10-1996;** RULE 1303, 12-6-2002]

[Devices subject to this condition : D311]

E71.13 The operator shall not operate this equipment if V-822 (D1287) Catalyst Loading Pot is in operation.

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

[Devices subject to this condition : D1573]

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

The inlet exhaust temperature to the SCR reactor is 450 degrees F or less

condition E71.4 is met

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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**]

[Devices subject to this condition : C1536, C1538]

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

the filterable PM10 emissions to the atmosphere are: 3.6 lbs/hr when the feed rate to the FCCU is equal to or lower than 30.9 thousand barrels per day and 2.8 lbs per 1000 bbl fresh feed when the feed rate is greater than 30.9 thousand barrels per day

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

[Devices subject to this condition : C1575, C1576, C1577]

E73.3 Notwithstanding the requirements of Section E conditions, the operator is not required to use more than one flare gas recovery compressor if:

The load on the flare gas recovery system is not sufficient to require more than one flare gas recovery compressor to be online

[**RULE 1118, 11-4-2005**]

[Devices subject to this condition : D1600, D1601, D1602, D1603, D1604]

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

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

[Devices subject to this condition : C1574]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E131.1 The operator shall maintain a vapor-tight seal between the adaptor and compartment hatch when loading fresh or spent acid.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 402, 5-7-1976]

[Devices subject to this condition : D505]

E153.1 The operator shall change over the 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 last carbon adsorber. The 500 ppmv refers to VOC concentration.

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

[Devices subject to this condition : C472, C473, C699, C702, C1096]

E179.1 For the purpose of the following condition number(s), continuously record shall be defined as once every hour and shall be calculated upon average of the continuous monitoring for that hour.

Condition Number D 12- 6

Condition Number D 12- 7

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 5-6-2005**]

[Devices subject to this condition : C1536, C1538]

E179.2 For the purpose of the following condition number(s), continuously record shall be defined as once every month and shall be calculated upon average of the continuous monitoring for that month.

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

Condition Number D 12- 8

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 5-6-2005**]

[Devices subject to this condition : C1536, C1538]

E193.1 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 40 CFR60 Subpart A

[**40CFR 60 Subpart A, 4-4-2014**]

[Devices subject to this condition : C747, C748]

E193.3 The operator shall operate and maintain this equipment as follows:

Whenever the ESP system (Devices C1575, C1576 and C1577) is in operation and venting the FCCU Regenerator Catalyst fine exhaust, the operator shall maintain in operation a minimum of 2 of 3 ESP units , each with a minimum of 7 of 8 active transformer/rectifier sets.

The operator shall not operate the FCCU if emissions from the FCCU to the atmosphere exceed the following limits for filterable PM10: 3.6 lbs/hr when the fresh feed to the FCCU is equal to or less than 30.9 thousand barrels per day, and 2.8 lbs per 1000 bbl fresh feed when the feed rate is greater than 30.9 thousand barrels per day.

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

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

[Devices subject to this condition : C1575, C1576, C1577]

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

The operator shall discharge dust collected in the ESP's only into leak-free hoppers or closed container bins equipped with fabric sock filters. The dust from these hoppers shall be loaded into vacuum trucks which are leak-free.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 401, 3-2-1984;** RULE 401, 11-9-2001]

[Devices subject to this condition : C1575, C1576, C1577]

E193.5 The operator shall operate and maintain this equipment according to the following requirements:

To maintain the PM10 average daily value to 26 lbs or below from this equipment H-101 (D32), the DCU Propane Vaporizer E-1465 (D1616-P2S1) will only operate when the DCU Sponge Oil Absorber V-910 (D1143-P2S1) is in operation

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

[Devices subject to this condition : D32]

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

E313.1 This device is classified as a non-operated major SOx and NOx source as defined under Rules 2011 and 2012 and shall not be operated unless the Facility Permit holder provides written notification to the Executive Officer 30 days prior to starting operation. In order to maintain the non-operational classification, the Facility Permit holder shall:

(a) Remove a section of the fuel feed line(s) to the device and place a blind flange on both ends of the fuel feed line(s); and

(b) Remove all burners.

Removal of parts or components solely to qualify the device for non-operated classification pursuant to this condition, or replacement of the same removed parts or components resulting in the device no longer being classified as non-operated shall not be deemed to affect the potential to emit within the meanings of Rule 2005, Regulation XIII and Regulation XXX.

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

[Devices subject to this condition : D91, D194, D196, D251]

E315.1 Once this device is operated, it shall no longer be classified as non-operational. This device shall also meet the monitoring requirements of Rules 2011 and 2012, subparagraph (c)(2)(A) or (c)(2)(B) no later than 30 calendar days after the start of operation except as provided in Rule 2011, paragraph (c)(11) and Rule 2012, paragraph (c)(10).

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

[Devices subject to this condition : D91, D194, D196, D251]

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

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

This equipment shall not be operated unless the vapor recovery system/carbon adsorber is in full use and has a valid permit to receive vent gases from this equipment.

All vent gases from the vacuum trucks used in transfering bottom sludges of this equipment shall be directed to the vapor recovery system or carbon adsorber.

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

[Devices subject to this condition : D469]

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

All vent gases under normal operating conditions shall be directed to a vapor recovery system consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases.

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

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

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TESORO REFINING AND MARKETING CO, LLC

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

[Devices subject to this condition : D458, D459, D460, D461, D462, D466, D467, D520, D521, D526, D531, D533, D534, D544, D546, D547, D548, D550, D551, D552, D553, D554, D555, D556, D557, D558, D559, D560, D561, D562, D563, D564, D565, D566, D567, D569, D571, D572, D573, D574, D575, D576, D577, D578, D579, D584, D585, D589, D592, D594, D595, D596, D597, D598, D600, D602, D604, D606, D607, D608, D611, D615, D616, D619, D620, D622, D623, D625, D626, D627, D628, D631, D633, D634, D636, D637, D639, D640, D807, D808, D809, D982, D998, D1001, D1002, D1500, D1670, D1671, D1672, D1673, D1712]

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

All vent gases under normal operating conditions shall be directed to the DCU Blowdown Recovery system.

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

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

[Devices subject to this condition : D20]

E336.4 The operator shall vent the vent gases from this equipment as follows:

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All vent gases under normal conditions shall be directed to a vapor recovery system or the carbon adsorbers.

The vapor recovery system is consisting of compressors, D641, D642,D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases

The carbon adsorbers is consisting of activated carbon connected in series, each 1,000 pounds, C472 and C473

This equipment shall not be operated unless the vapor recovery system or the carbon adsorbers are in full use and have a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D463, D464, D465, D471]

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

The requirement of condition E336.2 does not apply when the commodity being stored in this equipment is only Metropolitan Water or water supplied by the Los Angeles Department of Water and Power for the sole purpose of supplying water for the refinery firewater system and the operator demonstrate that the tank has been degassed pursuant to Rule 1149 and the hydrocarbon vapor pressure at storage condition does not exceed 0.1 psia as determined by SCAQMD Method 25.3
The following equation will use the results of SCAQMD Method 25.3 to convert from ppm to psia: P(voc) = (ppm/1000000) x Pt; where Pt=atmospheric pressure=14.7 psia

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TESORO REFINING AND MARKETING CO, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D552, D553]

E440.2 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall notify the primary SCAQMD inspector for the refinery in writing and by e-mail (Refinery_Compliance
aqmd.gov) whenever (1) the commodity is switched from water to organic liquid, (2) the commodity is switched from organic liquid to water and (3) water or organic liquid is introduced into an empty tank. The notification shall be made within 5 days of any changes in commodity as described above and shall include the vapor pressure of liquid at storage condition expressed in the unit of psia

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

[Devices subject to this condition : D552, D553]

E448.1 The operator shall comply with the following requirements:

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

The operator shall maintain the SCR bypass stack dampers for heaters D214, D215, D216 and D217 at a fully closed position such that no emissions will be exhausted through the bypass stacks whenever fuel is supplied to the heaters.

The operator shall install and maintain damper limit switches or other equivalent device to accurately indicate the fully closed position of the SCR bypass stack dampers.

The operator shall record the position of the dampers at least once every 15 minutes and any time the damper position changes.

The operator shall install and maintain an automatic fuel shutoff system to cut off the fuel supply to this device whenever any of the bypass stack dampers is not in the fully closed position.

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

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

[Devices subject to this condition : D214, D215, D216, D217]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

[**40CFR 60 Subpart Kb, 10-15-2003**]

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

[Devices subject to this condition : D469, D524, D593, D598, D599, D603, D613, D614, D617, D624, D630, D648, D982, D1001, D1002, D1078]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Ka

[**40CFR 60 Subpart Ka, 12-14-2000**]

[Devices subject to this condition : D581]

H23.3 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, 3-21-2001**]

[Devices subject to this condition : D9, D32, D33, D89, D90, D91, D92, D112, D120, D146, D157, D158, D194, D196, D214, D215, D216, D217, D218, D247, D248, D249, D250, D251, D384, D385, D386, D387, D388, D722, D723, D724, D725, D770, D777]

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

Contaminant	Rule	Rule/Subpart

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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

VOC	40CFR60, SUBPART	GGG

[**40CFR 60 Subpart GGG, 6-2-2008**]

[Devices subject to this condition : D68, D140, D156, D176, D333, D377, D642, D901, D918, D1082, D1194, D1338]

H23.5 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 : D1354, D1355, D1359, D1361, D1362, D1363, D1366, D1367, D1399, D1415, D1416, D1419, D1425, D1443, D1444, D1459, D1460, D1461, D1465, D1466, D1467, D1469, D1470, D1471, D1473, D1477, D1553, D1556, D1557, D1561]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	K

[**40CFR 60 Subpart K, 10-17-2000**]

[Devices subject to this condition : D634]

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

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	K
Benzene	40CFR61, SUBPART	FF

[**40CFR 60 Subpart K, 10-17-2000; 40CFR 61 Subpart FF, 12-4-2003**]

[Devices subject to this condition : D633]

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

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

[RULE 1415, 10-14-1994]

[Devices subject to this condition : E1487, E1488]

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

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

[Devices subject to this condition : E1489]

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : E1492]

H23.16 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 : D922, D923, D1357, D1365, D1380, D1381, D1384, D1392, D1446, D1447, D1448, D1449, D1451, D1453, D1454, D1455, D1456, D1458, D1472, D1562, D1682, D1683]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D1495, D1496]

H23.18 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	40CFR60, SUBPART	GG
H2S	40CFR60, SUBPART	J
SOX	40CFR60, SUBPART	GG
CO	District Rule	1134

[**RULE 1134, 8-8-1997; 40CFR 60 Subpart GG, 2-24-2006; 40CFR 60 Subpart J, 9-12-2012**]

[Devices subject to this condition : D810, D812]

H23.25 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 : D657, D688, D1001, D1002]

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

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

[Devices subject to this condition : E1491, E1499]

H23.29 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	40CFR60, SUBPART	Db
H2S	40CFR60, SUBPART	J

[**40CFR 60 Subpart Db, 2-27-2014; 40CFR 60 Subpart J, 9-12-2012**]

[Devices subject to this condition : D1122]

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

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

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

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

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

[Devices subject to this condition : D648]

H23.32 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	40CFR60, SUBPART	J
PM	40CFR60, SUBPART	J
Visible Emissions	40CFR60, SUBPART	J
SOX	40CFR60, SUBPART	J

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

[Devices subject to this condition : D96]

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
VOC	District Rule	1178
VOC	40CFR60, SUBPART	Kb

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

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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 60 Subpart Kb, 10-15-2003**]

[Devices subject to this condition : D561, D564, D639, D659]

H23.36 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

[RULE 1470, 5-4-2012]

[Devices subject to this condition : D1617, D1618, D1645, D1646, D1692, D1693, D1694]

H23.38 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

[**RULE 1118, 11-4-2005**]

[Devices subject to this condition : C747, C748]

H23.40 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:

Benzene	40CFR61, SUBPART	FF

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

[Devices subject to this condition : D458, D459, D460, D461, D462, D463, D464, D465, D466, D467, D469, D471, C472, C473, D526, D544, D546, D562, D563, D565, D567, D572, D573, D575, D576, D577, D578, D579, D608, D611, D623, D625, D626, D627, D628, D633, D639, D703, D709, D1095, C1096, D1304, D1480, D1481, D1482, D1483, D1484, D1485]

H23.41 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	40CFR60, SUBPART	IIII
PM	40CFR60, SUBPART	IIII
Non-Methane Hydrocarbons	40CFR60, SUBPART	IIII
NOX	40CFR60, SUBPART	IIII

[**40CFR 60 Subpart IIII, 7-11-2006**]

[Devices subject to this condition : D1692, D1693, D1694]

H23.43 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	CC

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

[**40CFR 63 Subpart CC, 6-20-2013**]

[Devices subject to this condition : E1730]

H23.44 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart

[**40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : D96]

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):

Throughput and vapor pressure of stored liquid.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

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

[Devices subject to this condition : D520, D521, D531, D533, D534, D543, D544, D546, D548, D549, D554, D555, D556, D558, D559, D560, D562, D563, D565, D566, D567, D568, D569, D571, D572, D573, D575, D576, D577, D578, D579, D581, D582, D583, D584, D585, D586, D587, D588, D591, D592, D594, D596, D597, D598, D604, D605, D609, D610, D611, D612, D615, D616, D619, D620, D622, D623, D625, D626, D627, D628, D629, D631, D632, D633, D634, D635, D636, D637, D640, D647, D648, D649, D650, D651, D652, D653, D654, D655, D656, D658, D1001, D1002, D1095, D1500, D1555]

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, 6-3-2011;** RULE 1113, 9-6-2013; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E1493]

K67.8 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:

Throughput in barrels per calendar month

Vapor pressure of stored liquid in psia

Other records that may be required to comply with the applicable requirements of District Rules 463 and 1178

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D557, D561, D564, D595, D606, D607, D982]

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

Hydrocarbon concentration measurements done in the vapor space above the floating roof of the tank

Throughput in barrels per calendar month

Vapor pressure of stored liquid in psia

Other records that may be required to comply with the applicable requirements of District Rules 463 and 1178

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D659, D660]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Material Stored (Ammonia)

The purchase invoices to determine the truck deliveries of ammonia.

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

[**RULE 3004(a)(1), 12-12-1997**]

[Devices subject to this condition : D311]

K67.11 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 in psia, when the tank is not storing firewater.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D552, D553]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput in barrels per calendar month

Commodity/product stored and time period of its storage

Actual vapor pressure of stored liquid in psia, of each commodity/product stored

Hydrocarbon concentration measurements done in the vapor space above the floating roof of the tank

Other records that may be required to comply with the applicable requirements of District Rules 463 ,1149 and 1178, 40CFR60, Subpart Kb, and 40CFR63, Subpart CC

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D630]

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

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

A. Emergency use hours of operation

B. Maintenance and testing hours

C. Other operating hours(describe the reason for operation)

In addition, each time the engine is manually started, the log shall include the date of operation, the specific reason for operation and the timer reading in hours and tenths of hours at the begining and end of operation. The log shall be kept for a minimum of five calendar years prior to the current year and made available to District personnel upon request.

The total hours of operation and the total hours of operation for maintenance and testing 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 1470, 5-4-2012]

[Devices subject to this condition : D713, D714, D1100, D1101, D1102, D1103, D1104, D1617, D1618, D1645, D1646, D1692, D1693, D1694]

K67.15 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:

Throughput and vapor pressure of stored liquid

Hydrocarbon concentration measurements done in the vapor space above the floating roof of the tank

Other records that may be required to comply with the applicable requirements of District Rules 463, 1149 and 1178

[**RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D593, D599, D603, D613, D614, D617, D618, D621, D624]

K67.16 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput in barrels per calendar month or per year as required in the throughput condition

Commodity/product stored and time period of its storage

Actual vapor pressure of stored liquid in psia, of each commodity/product stored

Other records that may be required to comply with the applicable requirements of District Rules 463 ,1149 and 1178

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D547, D551]

K67.17 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:

Throughput of stored liquid.

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

[Devices subject to this condition : D1533, D1670, D1671, D1672, D1673, D1712]

K67.18 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media

The date, time, and results of the filter media inspection

The date, time, and description of any maintenance or repairs resulting from the filter media inspection

[**RULE 1105.1, 11-7-2003; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997;** RULE 401, 11-9-2001; **RULE 404, 2-7-1986; RULE 405, 2-7-1986**]

[Devices subject to this condition : C1574]

K171.2 The operator shall provide to the District the following items:

Final drawings and/or specifications of the geodesic dome cover to be installed/constructed shall be submitted to the District within 30 days after its construction

[**RULE 1178, 4-7-2006**]

[Devices subject to this condition : D651, D658]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K171.3 The operator shall provide to the District the following items:

Final drawings and/or specifications of the internal floating roof to be installed/constructed shall be submitted to the District within 30 days after its construction

[**RULE 1178, 4-7-2006**]

[Devices subject to this condition : D593, D599, D603, D613, D614, D617, D618, D621, D624]

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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 NOx 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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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 NOx RECLAIM sources and Table 2 of Rule 2001 for SOx RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NOx or SOx 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 NOx or SOx 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. NOx Monitoring Conditions

A. The Operator of a NOx 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 NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx 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 NOx 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 NOx 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 NOx Process Unit, as defined in Rule 2012, shall, as applicable:

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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. NOx Source Testing and Tune-up conditions

1. The operator shall conduct all required NOx source testing in compliance with an SCAQMD-approved source test protocol. [2012]

2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx 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 NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

III. SOx monitoring conditions

D. The Operator of a SOx 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 SOx source to continuously measure the concentration of SOx 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 SOx emissions rate from each source. The time-sharing of CEMS among SOx 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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b. excess emissions;
c. the amount of penalties; and
d. fees.

E. The Operator of a SOx 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. SOx Source Testing Conditions

1. The operator shall conduct all required SOx 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 opearator shall submit a quarterly certification of emissions including the total facility NOx or SOx 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]

NOx Reporting Requirements

A. The Operator of a NOx 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 NOx source, the total daily mass emissions of NOx 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 NOx 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 NOX emissions from all major NOx 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 NOx 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 NOx mass emissions from each large NOx 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 NOx Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

SOx Reporting Requirements

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

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the SCAQMD central station for each major SOx source, the total daily mass emissions of SOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2011]

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2. Calculate SOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2011 if the Facility Permit holder fails to meet the deadline for submitting the daily report. 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 SOX emissions from all major SOx sources during the month. [2011]

4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by 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 SOx Process Unit, as defined in Rule 2011, shall:

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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 10: VACUUM DISTILLATION					S13.4, S15.2, S31.5
TOWER, VACUUM, V-3593, DIAMETER:15 FT(TOP), 26 FT(MIDDLE), 10 FT(BOTTOM);HEIGHT:121FT6IN A/N: 526722 Permit to Construct Issued: 12/08/11	D1700				H23.39, L341.4
VESSEL, VACUUM JET HOT WELL, FC-132 (V-928), LENGTH: 20 FT ; DIAMETER: 4 FT A/N: 526722 Permit to Construct Issued: 12/08/11	D13				
ABSORBER, AMINE, FC-160 (V-937), VACUUM VENT GAS, HEIGHT: 28 FT 6 IN; DIAMETER: 3 FT A/N: 526722 Permit to Construct Issued: 12/08/11	D14				
EJECTOR, ME0937, IST STAGE CONDENSER, E1977 A/N: 526722 Permit to Construct Issued: 12/08/11	D1701				H23.30, L341.4
EJECTOR, ME0938, 2ND STAGE CONDENSER, E1978 A/N: 526722 Permit to Construct Issued: 12/08/11	D1702				H23.30, L341.4
EJECTOR, ME0939, 2ND STAGE CONDENSER, E1979 A/N: 526722 Permit to Construct Issued: 12/08/11	D1703				H23.30, L341.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 526722 Permit to Construct Issued: 12/08/11	D1557			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5, 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.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
System 1: FCCU RECOVERY SECTION					S13.4, S15.2, S15.12, S31.1
ABSORBER, V-406, HEIGHT: 64 FT 4 IN; DIAMETER: 4 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D78				
TOWER, SPLITTER, HEAVY NAPHTHA, V-407, HEIGHT: 47 FT ; DIAMETER: 5 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1267				
TOWER, RERUN, V-408, HEIGHT: 82 FT ; DIAMETER: 7 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1268				
TOWER, SPLITTER, LIGHT NAPHTHA, V-409, HEIGHT: 60 FT ; DIAMETER: 8 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1269				
COLUMN, DEPROPANIZER, V-410A, HEIGHT: 99 FT 6 IN; DIAMETER: 6 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1718				
ACCUMULATOR, V-413, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D79				
DRUM, V-414, RERUN REFLUX A/N: 535089 Permit to Construct Issued: 11/02/12	D915				

* (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 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ACCUMULATOR, V-415, SPLITTER TOWER REFLUX, HEIGHT: 19 FT ; DIAMETER: 5 FT 7 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D80				
ACCUMULATOR, V-416, DEPROPANIZER TOWER REFLUX, LENGTH: 19 FT ; DIAMETER: 6 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D81				
DRUM, DRYING, LOW PRESSURE, V-419, HEIGHT: 20 FT ; DIAMETER: 10 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D82				
VESSEL, SURGE, V-423, AVGAS CHARGE, HEIGHT: 19 FT ; DIAMETER: 7 FT 7 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D84				
DRUM, DRYING, V-424, RERUN TOWER GAS, HEIGHT: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D85				
KNOCK OUT POT, FLARE, V-431, LENGTH: 13 FT ; DIAMETER: 6 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1271				

* (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 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
DRUM, PRESSURE RELIEVING SEAL, V-432, HEIGHT: 43 FT ; DIAMETER: 4 FT 4 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D86			**HAP**: (10) [**40CFR 63 Subpart CC, #2, 6-20-2013**]	
POT, DEETHANIZER WATER DRAIN, V-547, HEIGHT: 6 FT ; DIAMETER: 1 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1273				
DRUM, WATER DRAW-OFF, V-675, LENGTH: 4 FT 8 IN; DIAMETER: 4 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1275				
KNOCK OUT POT, VAPOR RECOVERY, V-676, LENGTH: 4 FT 4 IN; DIAMETER: 2 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1272				
KNOCK OUT POT, V-1100, NAPHTHA, LENGTH: 12 FT 6 IN; DIAMETER: 3 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D912				
TOWER, DEBUTANIZER, V-1547, HEIGHT: 100 FT 6 IN; DIAMETER: 7 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1280				

* (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 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
COLUMN, DEETHANIZER, V-1548, HEIGHT: 12 FT 6 IN; DIAMETER: 6 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D910				
ACCUMULATOR, V-1549, DEBUTANIZER REFLUX, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D913				
KNOCK OUT POT, V-1789, PROPANE/PROPYLENE, HEIGHT: 8 FT 6 IN; DIAMETER: 24 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D909				
COMPRESSOR, RERUN TOWER GAS, C-43/44, 2 TOTAL, 4 CYLINDERS A/N: 535089 Permit to Construct Issued: 11/02/12	D87				
COMPRESSOR, C-142, WET GAS A/N: 535089 Permit to Construct Issued: 11/02/12	D918				H23.4
VESSEL, SEPARATOR, HIGH PRESSURE, V-2343, LENGTH: 22 FT ; DIAMETER: 8 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1597				
VESSEL, SEPARATOR, SOUR WATER FLASH , V-2344, LENGTH: 25 FT ; DIAMETER: 8 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1598				

* (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 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535089 Permit to Construct Issued: 11/02/12	D1365			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
Process 4: HYDROTREATING					P13.1
System 5: HYDROTREATING UNIT NO. 3					S13.4, S15.2, S15.3, S15.13, S31.4
VESSEL, SEPARATOR, HIGH PRESSURE, V-767, HEIGHT: 71 FT ; DIAMETER: 6 FT 6 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D147				
DRUM, V-773, SOUR WATER, LENGTH: 26 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D159				
DRUM, SURGE, V-774, CONDENSATE, HEIGHT: 9 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D148				
REACTOR, V-768/769, 2 TOTAL, HEIGHT: 28 FT ; DIAMETER: 7 FT A/N: 562262 Permit to Construct Issued: 10/28/14	D1189				
VESSEL, SEPARATOR, LOW PRESSURE, V-770, HEIGHT: 25 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D149				

* (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 4: HYDROTREATING					P13.1
VESSEL, FILTER, AVJET, V-1507, HEIGHT: 15 FT ; DIAMETER: 12 FT A/N: 562262 Permit to Construct Issued: 10/28/14	D1668				
VESSEL, SEPARATOR, AVJET, V1508/1509, 2 TOTAL, HEIGHT: 6 FT 9 IN; DIAMETER: 12 FT .75 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D1669				
VESSEL, FILTER, AVJET, V-12419, HEIGHT: 15 FT ; DIAMETER: 12 FT A/N: 562262 Permit to Construct Issued: 10/28/14	D1727				
VESSEL, SEPARATOR, AVJET, V-2417, HEIGHT: 6 FT 9 IN; DIAMETER: 12 FT .75 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D1728				
ACCUMULATOR, V-771, H2S STRIPPER OVERHEAD, LENGTH: 26 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D1191				
DRUM, CHARGE, V-1471, DIESEL, HEIGHT: 17 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 562262 Permit to Construct Issued: 10/28/14	D153				
COLUMN, STRIPPER, V-1475, H2S, HEIGHT: 86 FT 6 IN; DIAMETER: 7 FT A/N: 562262 Permit to Construct Issued: 10/28/14	D155				

* (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 4: HYDROTREATING					P13.1
COMPRESSOR, C-86, RECYCLE GAS A/N: 562262 Permit to Construct Issued: 10/28/14	D1194				
COMPRESSOR, C-77, MAKEUP GAS A/N: 562262 Permit to Construct Issued: 10/28/14	D156				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 562262 Permit to Construct Issued: 10/28/14	D1448			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.39
Process 9: ALKYLATION					P13.1
System 1: ALKYLATION UNIT					S13.4, S15.2, S15.5, S31.1, S31.4
FILTER, SALT, V-579, PROPANE, LENGTH: 25 FT 4 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D390				
VESSEL, SALT DRIER, V-582, LENGTH: 15 FT 8 IN; DIAMETER: 4 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D391				
VESSEL, V-1407, BUTYLENE COALESCER, LENGTH: 13 FT 2 IN; DIAMETER: 3 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D392				

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION					P13.1
VESSEL, COALESCER, V-1408, OLEFIN, LENGTH: 10 FT 5 IN; DIAMETER: 1 FT 8 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D393				
SETTLING TANK, 1ST STAGE, V-1409, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D394				
SETTLING TANK, 2ND STAGE, V-1410, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D395				
TANK, FLASH, V-1411, REACTOR EFFLUENT, LENGTH: 30 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D396				
TANK, FLASH, V-1414, REFRIGERANT, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D397				
ACCUMULATOR, V-1416, REFRIGERANT, LENGTH: 18 FT ; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D399				

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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION					P13.1
ACCUMULATOR, V-1953, DEPROPANIZER FEED, LENGTH: 20 FT ; DIAMETER: 4 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D400				
DRUM, BLOWDOWN, V-1418, ACID, LENGTH: 27 FT ; DIAMETER: 10 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D401				
SCRUBBER, CAUSTIC, V-1419, ACID VAPOR, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D402				
COLUMN, DEETHANIZER, V-1420, LENGTH: 81 FT 6 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D403				
ACCUMULATOR, V-1421, DEETHANIZER OVERHEAD, LENGTH: 80 FT ; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D404				
POT, V-1422, DEETHANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D405				

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(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
TESORO REFINING AND MARKETING CO, LLC

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: ALKYLATION					P13.1
SETTLING TANK, V-1423, DEPROPANIZER CAUSTIC WASH, LENGTH: 30 FT ; DIAMETER: 6 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D406				
SETTLING TANK, V-1424, DEPROPANIZER WATER WASH, LENGTH: 26 FT ; DIAMETER: 6 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D407				
VESSEL, PRECIPITATOR, V-1425, DEPROPANIZER FEED, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D408				
COLUMN, DEPROPANIZER, V-1426, HEIGHT: 118 FT 6 IN; DIAMETER: 7 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D409				
POT, V-1427, DEPROPANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D410				
ACCUMULATOR, V-1428, DEPROPANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D411				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: ALKYLATION					P13.1
VESSEL, COALESCER, V-2409, PROPANE FREE WATER WITH INTERNAL COALESCER ELEMENT, LENGTH: 8 FT ; DIAMETER: 1 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1725				
VESSEL, DEGASSER, V-1429, ALKALINE WATER, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D949			**HAP**: (10) [**40CFR 63 Subpart CC, #1, 6-20-2013**]	
VESSEL, DEGASSER, V-1430, SPENT CAUSTIC, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D950				
DRUM, FLASH, V-1432, HP CONDENSATE, LENGTH: 5 FT ; DIAMETER: 3 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D413				
DRUM, FLASH, V-1433, LP CONDENSATE, LENGTH: 37 FT 4 IN; DIAMETER: 11 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D414				
POT, V-1434, ALKY DIB. CAUSTIC HEATER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D415				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: ALKYLATION					P13.1
TANK, WASH, V-1435, ALKY DIB CAUSTIC SETTLER, LENGTH: 43 FT ; DIAMETER: 9 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D416				
TANK, WASH, V-1436, ALKY DIB WATER SETTLER, LENGTH: 40 FT ; DIAMETER: 8 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D417				
VESSEL, PRECIPITATOR, V-1437, ALKY DIB. FEED, LENGTH: 10 FT ; DIAMETER: 10 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D418				
DRUM, V-1438, ALKY DIB. TEA, LENGTH: 9 FT ; DIAMETER: 3 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D419				
COLUMN, ALKY DIB, V-1439, HEIGHT: 165 FT ; DIAMETER: 11 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D420				
POT, V-1440A/B/C/D, ALKY DIB. REBOILER CONDENSATE, 4 TOTAL, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D421				
ACCUMULATOR, V-1441, ALKY DIB OVERHEAD, LENGTH: 42 FT ; DIAMETER: 10 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D422				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: ALKYLATION					P13.1
COLUMN, ALKY DEBUTANIZER, V-1442, HEIGHT: 94 FT 9 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D423				
POT, V-1443, ALKY DEBUTANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D424				
ACCUMULATOR, V-1444, ALKY DEBUTANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D425				
ACCUMULATOR, V-1449, V-1450 AND V-2103, S.O. AT E-1277, E1276 AND E-1721, 3 TOTAL, HEIGHT: 2 FT 3 IN; DIAMETER: 1 FT 7 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D431				
KNOCK OUT POT, FLARE, V-1694, LENGTH: 23 FT ; DIAMETER: 8 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D432				
DRUM, FLASH, V-1583, MIXED BUTANE TREATER, CAUSTIC A/N: 551269 Permit to Construct Issued: 01/17/14	D953				
VESSEL, V-1156/7/8/9, K.O. POTS 12001/2/3/4, 4 TOTAL A/N: 551269 Permit to Construct Issued: 01/17/14	D954				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: ALKYLATION					P13.1
VESSEL, PRECIPITATOR, V-1412, ACID A/N: 551269 Permit to Construct Issued: 01/17/14	D960				
VESSEL, V-1413, SPENT ACID A/N: 551269 Permit to Construct Issued: 01/17/14	D961				
SETTLING TANK, 3RD STAGE, V-2090, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1080				
VESSEL, CONTACTOR, E-1721, 9800 SQ.FT., LENGTH: 92 FT ; DIAMETER: 63 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1081				
COMPRESSOR, C-155, REFRIGERANT, CENTRIFUGAL, BARREL TYPE, 4000 H.P. A/N: 551269 Permit to Construct Issued: 01/17/14	D1082				H23.4
TANK, SETTLING, V-2241, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D1504				
VESSEL, V-2242, ISOBUTANE COALESCER, LENGTH: 7 FT 6 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1505				

* (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
TESORO REFINING AND MARKETING CO, LLC

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: ALKYLATION					P13.1
TANK, WASH, V-2250, ACID, LENGTH: 20 FT ; DIAMETER: 12 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1506				
VESSEL, CONTACTORS NOS. 1 & 2, E-1276 & 1277 A/N: 551269 Permit to Construct Issued: 01/17/14	D959				
VESSEL, CONTACTOR NO. 4, E-1827 A/N: 551269 Permit to Construct Issued: 01/17/14	D1507				
COMPRESSOR, C-164, PROPANE, 1455-HP A/N: 551269 Permit to Construct Issued: 01/17/14	D1509				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 551269 Permit to Construct Issued: 01/17/14	D1392			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.16
Process 14: LOADING AND UNLOADING					
System 2: TWO-POSITION PROPANE TRUCK LOADING					S15.14, S31.4
BULK MATERIAL LOAD/UNLOAD STATION, TANK TRUCK, PROPANE A/N: 553835 Permit to Construct Issued: 07/24/14	D507				
VESSEL, MERCAPTAN REMOVAL, V-829, SULFUR TRAP ADSORBENT, DESIGN PRESSURE 300 PSI, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 553835 Permit to Construct Issued: 07/24/14	D1726				

* (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
TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 14: LOADING AND UNLOADING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 553835 Permit to Construct Issued: 07/24/14	D1465				
Process 21: AIR POLLUTION CONTROL					
System 1: REFINERY FLARE					S13.4, S18.2
FLARE, ELEVATED WITH STEAM INJECTION, NO.2, Q-910, JOHN ZINK, MODEL STF-S-30, HEIGHT: 250 FT ; DIAMETER: 2 FT 6 IN A/N: 562263 Permit to Construct Issued: 10/29/14	C747				D12.4, D323.2, E193.1, H23.38, H23.42
FLARE, ELEVATED WITH STEAM INJECTION, NO.1, Q-913, JOHN ZINK, MODEL STF-S-30, HEIGHT: 250 FT ; DIAMETER: 2 FT 6 IN A/N: 562263 Permit to Construct Issued: 10/29/14	C748				D12.4, D323.2, E193.1, H23.38, H23.42
KNOCK OUT POT, V-847, FLARE NO. 2, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D752	D1648 D1651			
KNOCK OUT POT, V-848, FLARE NO. 1, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D753	D1648 D1651			
KNOCK OUT POT, V-2369, CRU-HTU NO. 1, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D750				

* (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
TESORO REFINING AND MARKETING CO, LLC

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 21: AIR POLLUTION CONTROL					
KNOCK OUT POT, V-630, CRU-HTU NO. 2, LENGTH: 19 FT ; DIAMETER: 6 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D751				
KNOCK OUT POT, V-873, CRU NO. 3, LENGTH: 18 FT ; DIAMETER: 9 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D754				
KNOCK OUT POT, V-934, DCU, LENGTH: 25 FT ; DIAMETER: 12 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D755				
KNOCK OUT POT, V-951, HGU NO. 1, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D756				
KNOCK OUT POT, V-1018, HCU, LENGTH: 29 FT ; DIAMETER: 14 FT 6 IN A/N: 562263 Permit to Construct Issued: 10/29/14	D757				
KNOCK OUT POT, V-1431, ALKYLATION UNIT, LENGTH: 35 FT ; DIAMETER: 11 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D758				
KNOCK OUT POT, V-1472, HTU NO. 3, LENGTH: 23 FT 8 IN; DIAMETER: 9 FT 3 IN A/N: 562263 Permit to Construct Issued: 10/29/14	D759				

* (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
TESORO REFINING AND MARKETING CO, LLC

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 21: AIR POLLUTION CONTROL					
KNOCK OUT POT, V-1764, HTU-4, HEIGHT: 36 FT ; DIAMETER: 13 FT A/N: 562263 Permit to Construct Issued: 10/29/14	D172				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 562263 Permit to Construct Issued: 10/29/14	D1419			**HAP**: (10) [**40CFR 63 Subpart CC, #5A, 6-20-2013**]	H23.5

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

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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
TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

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D81	3	3	1
D82	3	3	1
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D402	10	9	1
D403	10	9	1
D404	10	9	1
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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

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D419	13	9	1
D420	13	9	1
D421	13	9	1
D422	13	9	1
D423	14	9	1
D424	14	9	1
D425	14	9	1
D431	14	9	1
D432	14	9	1
D507	16	14	2
C747	17	21	1
C748	17	21	1
D750	17	21	1
D751	18	21	1
D752	17	21	1
D753	17	21	1
D754	18	21	1
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D756	18	21	1
D757	18	21	1
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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

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D954	14	9	1
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D961	15	9	1
D1080	15	9	1
D1081	15	9	1
D1082	15	9	1
D1189	6	4	5
D1191	7	4	5
D1194	8	4	5
D1267	2	3	1
D1268	2	3	1
D1269	2	3	1
D1271	3	3	1
D1272	4	3	1
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D1275	4	3	1
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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

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D1597	5	3	1
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D1701	1	2	10
D1702	1	2	10
D1703	1	2	10
D1718	2	3	1
D1725	12	9	1
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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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
TESORO REFINING AND MARKETING CO, LLC

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
TESORO REFINING AND MARKETING CO, LLC

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

F34.1 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):

40CFR79

40CFR80

[**40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999**]

F52.2 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR61, Subpart FF

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

F52.3 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR60 Subpart A

40CFR61 Subpart A

40CFR63 Subpart A

[**40CFR 60 Subpart A, 4-4-2014; 40CFR 61 Subpart A, 2-27-2014; 40CFR 63 Subpart A, 3-27-2014**]

F52.4 This facility is subject to the applicable requirements of the following rules or regulation(s):

Consent Decree Civil No. H-01-0978, 3-21-2001

[**CONSENT DECREE, 3-21-2001**]

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

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
Benzene	40CFR61, SUBPART	FF

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

[Processes subject to this condition : 1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 15]

SYSTEM CONDITIONS

S1.1 The operator shall limit the loading rate to no more than 1262500 barrel(s) in any one year.

For the purpose of this condition, loading rate shall be defined as the combined loading rate of D790 in Process 14, System 4 and D1040 in Process 14, System 5, and shall be recorded by shipping records.

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

[Systems subject to this condition : Process 14, System 4 , 5]

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**]

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

[Systems subject to this condition : Process 6, System 1 , 3]

S7.1 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall drive all 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.

The operator shall clean or wet down the ground area below the conveyors to prevent airborne dust.

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

[**RULE 1158, 7-11-2008**]

[Systems subject to this condition : Process 2, System 8]

S7.2 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall drive all 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.

The operator shall clean or wet down the ground area below the conveyors to prevent airborne dust.

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

The operator shall drain raw coke from the coker pit before loading to the conveyor hopper to minimize spillage of coke from elevated inclined conveyors.

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

[**RULE 1158, 7-11-2008**]

[Systems subject to this condition : Process 2, System 9]

S11.2 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 15-oct-2001 for this facility.

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

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 4, System 3 , 7]

S11.3 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 04-10-2009 for this facility.

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

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 17, System 4]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

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

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

[Systems subject to this condition : Process 4, System 7; Process 6, System 3; Process 12, System 1 , 2; Process 23, System 1]

S13.3 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, 7-11-2008**]

[Systems subject to this condition : Process 2, System 8 , 9]

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	1123

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

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 3 , 6 , 7 , 10; Process 3, System 1 , 2 , 4 , 5; Process 4, System 1 , 3 , 5 , 7 , 9; Process 5, System 1 , 3 , 5; Process 6, System 1 , 3; Process 8, System 1; Process 9, System 1 , 2 , 3; Process 12, System 8; Process 19, System 3; Process 21, System 1 , 2 , 3 , 4]

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	1176

[**RULE 1176, 9-13-1996**]

[Systems subject to this condition : Process 12, System 1 , 2 , 3 , 4 , 7; Process 19, System 4]

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

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

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

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

[Systems subject to this condition : Process 15, System 3]

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

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

[**RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 11-4-2011**]

[Systems subject to this condition : Process 15, System 1 , 2 , 7]

S13.8 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

[**RULE 461, 4-6-2012**]

[Systems subject to this condition : Process 19, System 1 , 2]

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

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

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

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

[**RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 11-4-2011**]

[Systems subject to this condition : Process 15, System 5]

S15.1 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.

This process/system shall not be operated unless the refinery flare 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**]

[Systems subject to this condition : Process 15, System 3]

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

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

All emergency vent gases shall be directed to the refinery flares (process 21, system 1) or flare gas recovery system (process 21, system 4) which may also include DCU Blowdown Compressor C-137 (device D68) except Devices IDs D898, D20, D910, D1268, D1269, D1280, D93, D94, D96, D1283, D1284, D1288, D1292, D219, D226, D1212, D275, D1256, D375, D928, D1267 & D916 that vent to the atmosphere.

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

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

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 3 , 6 , 10; Process 3, System 1 , 2 , 5; Process 4, System 1 , 3 , 5 , 7 , 9; Process 5, System 1 , 3 , 5; Process 6, System 1 , 3; Process 8, System 1; Process 9, System 1 , 2 , 3; Process 12, System 8; Process 19, System 3; Process 21, System 4]

S15.3 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 vapor recovery system (process 21, system 3) consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases or the flare gas recovery system (process 21, system 4).

This process/system shall not be operated unless the vapor recovery system (process 21, system 3) or flare gas recovery system (process 21, system 4) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 1, System 2; Process 2, System 3 , 6; Process 3, System 2 , 4; Process 4, System 1 , 3 , 5 , 7; Process 5, System 1 , 3 , 5; Process 6, System 1; Process 8, System 1; Process 9, System 2; Process 21, System 4]

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

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

All vent gases under normal operating conditions shall be directed to a vapor recovery system consisting of compressors, D641, 642, 643, and/or 644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases, except devices D305, 432, 1504-1507, 1514-1524 that vent to the flare system.

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

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

[Systems subject to this condition : Process 9, System 1; Process 23, System 1]

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

All vent gases under normal operating conditions shall be directed to a vapor recovery system consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases.

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

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

[Systems subject to this condition : Process 12, System 7; Process 14, System 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 to the fume scrubber system (P21, S2), and then to the boiler system (P18) with at least one of four boilers (D722-5) in operation.

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

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

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

[Systems subject to this condition : Process 14, System 1; Process 15, System 4]

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 flare system.

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

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

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

S15.9 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 vapor recovery system (process 21 system 3) consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases, or the flare gas recovery system (process 21, system 4) except Device D1151 that vents to the atmosphere.

This process/system shall not be operated unless the vapor recovery system(process 21, system3) or flare gas recovery system (process 21, system 4) is in full use and has a valid permit to receive vent gases from this system.

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

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

S15.10 The vent gases from all affected devices of this process/system shall be vented as follows:

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

All sour gases under normal operating conditions shall be directed to the amine absorber(s) located in this system.

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

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

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

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

All sour gases under normal operating conditions shall be directed to the fuel gas treating system(s) (Process 12, System 8 or Process 4, System 9).

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

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

[Systems subject to this condition : Process 2, System 6; Process 21, System 3 , 4]

S15.12 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 FCCU gas treating system.

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

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

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

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

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

All sour gases under normal operating conditions shall be directed to the fuel gas treating system (Process 4, System 9) or to the scrubber located in Process 8, System 1.

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

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

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

S15.14 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 propane storage tanks or the flare gas recovery system (Process 21, System 4).

All emergency vent gases shall be directed to the flare recovery system (Process 21, System 4).

This process/system shall not be operated unless the flare gas recovery system (Process 21, System 4) is in full use and has a valid permit to receive vent gases from this system

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

[Systems subject to this condition : Process 14, System 2]

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:

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

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Treating/Stripping Units (Process: 12, System: 1 & 7)

Loading/Unloading (Process: 14, System: 4 & 5)

Isomerization Unit (Process: 23, System: 1)

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

[Systems subject to this condition : Process 21, 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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The operator shall comply with the terms and conditions set forth below:

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Fuel Gas Treating System (Process: 12, System: 8)

Loading and Unloading (Process: 14, System: 2 & 3)

Pressurized Storage Tanks (Process: 15, System: 3)

Fuel Gas Mix System (Process: 19, System: 3)

Isomerization Unit (Process: 23, System: 1)

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

[Systems subject to this condition : Process 21, System 1]

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:

Inorganic Chemical Loading and Unloading (Process: 14, System: 1)

Miscellaneous Storage Tanks (Process: 15, System: 4)

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

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

[Systems subject to this condition : Process 21, System 2]

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:

DCU Blowdown Recovery System (Process: 2, System: 6)

Refinery Vapor Recovery System (Process: 21, System: 3)

Flare Gas Recovery System (Process: 21, System: 4)

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

[Systems subject to this condition : Process 4, System 9; Process 12, System 8]

S18.5 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

FCCU Recovery System (Process: 3, System: 1)

FCCU Cracking Section (Process: 3, System: 2)

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

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

S18.6 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

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

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Treating/Stripping Units (Process: 12, System: 1 & 7)

Loading/Unloading (Process: 14, System: 4 & 5)

Isomerization Unit (Process: 23, System: 1)

Two-Position propane truck loading (Process: 14, System: 2)

[**RULE 1118, 11-4-2005; RULE 1303(a)(1)-BACT, 5-10-1996**]

[Systems subject to this condition : Process 21, System 4]

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 347559, 347560, 347564, 366048, 366083, 376616, 376622, 376623, 376624, 376625, 376627, 376628, 381228, 435139, 457927, 501287 & 501288:

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

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

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

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

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

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

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

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

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

1173 shall be inspected monthly using EPA Method 21.

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

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

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

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

[Systems subject to this condition : Process 2, System 1; Process 3, System 1; Process 4, System 1 , 3 , 7; Process 5, System 1 , 3 , 5; Process 6, System 1; Process 8, System 1; Process 9, System 1; Process 15, System 3; Process 23, System 1]

S31.2 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 501291, 494382 & 472872:

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

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

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

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

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

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

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

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

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

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

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

The operator shall provide to the District no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

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

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

[Systems subject to this condition : Process 21, System 4]

S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 470262, 470291, 484368 &484369:

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

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

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

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

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

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

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

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.

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

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

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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:

relief device, diaphragm, hatch, sight-glass, and meter, which are not exempt by Rule 1173.

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

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

[Systems subject to this condition : Process 1, System 4; Process 12, System 7; Process 17, System 4]

S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 520770, 551269, 553835 &562262:

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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:

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

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

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

All new components in VOC service as defined by 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. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The following leaks shall be repaired within 7 calendar days -- all light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid components leaking at a rate of 100 to 500 ppm and greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 2 calendar days -- any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 1 calendar day -- any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute.

If 98.0 percent or greater of the new valve and the new flange population

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

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 revert to a quarterly inspection program with the approval of the Executive Officer. This condition shall not apply to leakless valves.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new valves and the new flange population inspected are found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, prior to initial startup, a list of all non-leakless type valves that were installed. The list shall include the tag numbers for the valves and reasons why leakless valves were not used. The operator shall not startup the equipment prior to the Districts approval for the use of all non-leakless valves

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets or field inspection surveys for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

[Systems subject to this condition : Process 2, System 6; Process 4, System 5; Process 9, System 1; Process 14, System 2]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 526722:

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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:

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

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

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

All new components in VOC service as defined by 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. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The following leaks shall be repaired within 7 calendar days -- all light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid components leaking at a rate of 100 to 500 ppm and greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 2 calendar days -- any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 1 calendar day -- any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute.

If 98.0 percent or greater of the new valve and the new flange population

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

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 revert to a quarterly inspection program with the approval of the Executive Officer. This condition shall not apply to leakless valves.

All new process drains are subject to District Rule 1176 and 40 CFR Subpart QQQ

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new valves and the new flange population inspected are found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv. This condition shall not apply to leakless valves.

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

The operator shall provide to the District, prior to initial startup, a list of all non-leakless type valves that were installed. The list shall include the tag numbers for the valves and reasons why leakless valves were not used. The operator shall not startup the equipment prior to the Districts approval for the use of all non-leakless valves

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets or field inspection surveys for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

[**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 2, System 10]

S42.1 The operator shall not operate the FCCU unless the operator complies with the emission limits of the following Rule:

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

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

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

1. Award contract(s) to construct and install the control technology by April 28, 2006.
2. Commence construction phase of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by the later of May 1, 2006 or within 30 days of receiving permit. These dates may be extended in writing by the Executive Officer upon a request by Equilon if the CEQA document is not finalized by April 30, 2006. Such extension(s) shall not be for a period more than five months after the original deadline listed in this paragraph.
3. Start operation of the control technology permitted to ensure compliance with Rule 1105.1 (d)(1) by April 30, 2007.
4. Comply with Rule 1105.1 (d)(1) requirements no later than June 30, 2007.

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

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

DEVICE CONDITIONS

D. Monitoring/Testing Requirements

D12.4 The operator shall install and maintain a(n) thermocouple or any other equivalent device to accurately indicate the presence of a flame at the pilot light.

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

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

[**RULE 1118, 11-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 4-4-2014**]

[Devices subject to this condition : C747, C748]

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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:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

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

4). All visible emission observation records by operator or a certified smoke reader.

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

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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 : C747, C748]

E. Equipment Operation/Construction Requirements

E193.1 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 40 CFR60 Subpart A

[**40CFR 60 Subpart A, 4-4-2014**]

[Devices subject to this condition : C747, C748]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	GGG

[**40CFR 60 Subpart GGG, 6-2-2008**]

[Devices subject to this condition : D918, D1082]

H23.5 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 : D1419, D1557]

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

H23.16 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 : D1365, D1392]

H23.30 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	465

[**RULE 465, 8-13-1999**]

[Devices subject to this condition : D1701, D1702, D1703]

H23.38 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

[**RULE 1118, 11-4-2005**]

[Devices subject to this condition : C747, C748]

H23.39 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	1173
VOC	40CFR60, SUBPART	GGGa

[**RULE 1173, 2-6-2009; 40CFR 60 Subpart GGGa, 6-2-2008**]

[Devices subject to this condition : D1448, D1557, D1700]

H23.42 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	Ja

[**40CFR 60SubpartJa, 9-12-2012**]

[Devices subject to this condition : C747, C748]

L. Expiration Date

L341.4 Within 90 days after start-up of this equipment, the following device(s) shall be removed from operation:

Vacuum Tower (V-899) identified by Device No. D12

First Stage Ejector/Condenser identified by Device No. D1558

Second Stage Ejector/Condenser identified by Device No. D1559

Third stage Ejector/Condenser identified by Device No. D1560

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 1313(d), 12-7-1995**]

[Devices subject to this condition : D1700, D1701, D1702, D1703]

FACILITY PERMIT TO OPERATE
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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 NOx or SOx 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 NOx or SOx 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
474117	1123
474150	1118
474575	63SubpartU
474581	1105.1
474582	2002
474591	63SubpartU
476368	1176
476506	1173
494845	1472
549262	1118
559295	463
568999	Part 64

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 c ontent 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 that 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, #1 06-20-2013]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES - GROUP 1 EMISSION POINT (GROUP 1 MISCELLANEOUS PROCESS VENT - EXISTING/NEW SOURCE)

1. The operator shall comply with all applicable requirements of 40CFR63 Subpart CC including those requirements of 40CFR63 Subpart A specified in Table 6 of 40CFR63 Subpart CC.

2. The operator shall comply with the following control, monitoring, recordkeeping and reporting requirements:

   a. Control Requirements: The operator shall reduce the organic hazardous air pollutants by 98% or to 20 parts per million by volume on a dry basis, corrected to 3 percent oxygen, as specified in 40CFR63 Subpart CC, Section 63.643.

   b. Monitoring Requirements:
      - The operator shall monitor the temperature in accordance with 40CFR63 Subpart CC, Section 63.644(a)(1) when an incinerator is used.
      - The operator shall monitor the presence of a pilot flame in accordance with 40CFR63 Subpart CC, Section 63.644(a)(2) when a flare is used.

   c. Exemption from Monitoring Requirements: The operator is exempt from temperature monitoring requirements for any boiler or process heater with a design heat input capacity greater than or equal to 44 megawatt or any boiler or process heater in which all vent streams are introduced into the flame zone as per 40CFR63 Subpart CC, Section 63.644(a)(3).

   d. Recordkeeping and Reporting Requirements: The operator shall comply with applicable reporting and recordkeeping requirements of 40CFR63 Subpart CC, Section 63.655.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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
TESORO REFINING AND MARKETING CO, LLC

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)	Control requirements: a. Internal Floating Roof storage tanks shall be equipped with proper seals. *{63.119(b)(1) to (b)(4)}* b. External Floating Roof storage tank shall be equipped with proper seals. *{63.119(c)(1), (c)(3) & (c)(4)}* c. External Floating Roof converted to an Internal Floating Roof shall be equipped with proper seals. *{63.119(d)(1)}* d. Fixed roof storage tank shall be vented to a control system to reduce organic hazardous air pollutants emissions by 95%. *{63.119(e)(1) to (e)(5)}*

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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)	Testing and inspection requirements: *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. *{63.120(a)(2)(i) & (ii)}* b. Internal Floating Roof storage tank, double seals: • Roof & both seals shall be visually inspected when emptying/degassing and at least every 5 years *{63.120(a)(3)(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. *{63.120(a)(3)(ii) & (iii)}* 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. *{63.120(b)(1)(ii)}* d. External Floating Roof, double seals: • Gaps between vessel wall and primary seal shall be measured every 5 years during hydrostatic testing, *{63.120(b)(1)(i)}* • Gap between wall and secondary seal shall be measured yearly *{63.120(b)(1)(iii)},* and Roof, both seals & fittings shall be visually inspected when emptying/degassing (non specified frequency). *{63.120(b)(10)}* e. Fixed Roof Vent to Control System: Control system shall be tested one time for control efficiency demonstration and closed vent system shall be inspected annually. *{63.120(d)(1) & (6)}*
63.655(i)(1)	The operator shall comply with recordkeeping requirements in Section 63.123.

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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 10-28-2009]

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. Treatment Standards: 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. Equipment Standards: The operator shall comply with the following standards set forth for the equipment used in waste handling and storage including treatment process: 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. Test Methods and Procedures: 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. Monitoring Requirements: The operator shall comply with monitoring and associated recording requirements in Section 61.354.
63.655	5. Reporting and Recordkeeping Requirements: The operator shall comply with reporting and recordkeeping requirements in Sections 61.356 and 61.357.

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[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. Treatment Standards: 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. Equipment Standards: The operator shall comply with the following standards set forth for the equipment used in waste handling and storage including treatment process: 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. Test Methods and Procedures: 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. Monitoring Requirements: The operator shall comply with monitoring and associated recording requirements in Section 61.354.
63.655	5. Reporting and Recordkeeping Requirements: 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 06-23-2003]

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)	1. Control, Monitoring, Inspection, and Repair Requirements: The operator shall comply with the following standards set forth for equipment used in volatile organic compounds service: 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. Test Methods and Procedures: 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.

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[40CFR 63 Subpart CC, #5A 06-23-2003]

40CFR63 Subpart CC	**40CFR60 Subpart VV**
63.648(b)	3. Allowance for Less Frequent Monitoring: The operator shall comply with applicable requirements in Section 60.483-2 when electing to skip leak detection periods for valves.
63.654(d)(1)	4. Recordkeeping and Reporting Requirements: The operator shall comply with recordkeeping and semiannual reporting requirements in Sections 60.486 and 60.487, respectively.

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

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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)	1. Control, Monitoring, Inspection, and Repair Requirements: The operator shall comply with the following standards set forth for equipment used in volatile organic compounds service: 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. Test Methods and Procedures: 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)	3. Allowance for Less Frequent Monitoring: 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)	4. Recordkeeping and Reporting Requirements: The operator shall comply with recordkeeping and semiannual reporting requirements in Sections 60.486 and 60.487, respectively.

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[40CFR 63 Subpart CC, #5A 06-20-2013]

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)}*

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, #1 04-20-2006]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: CATALYTIC REFORMING UNITS

1. The operator shall comply with the applicable general requirements of Sections 63.1 through 63.15 of Subpart A and Section 63.1570 of Subpart UUU.

2. The operator shall comply with the applicable notification, reporting, and recordkeeping requirement of Sections 63.1574, 63.1575, and 63.1576, respectively.

3. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).

4. The operator shall submit all required reports, notifications, plans, submittals and other communications required by 40CFR63 Subpart A or Subpart UUU to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX, where applicable (see addresses in Sections E and K of this permit).

5. The operator shall submit to AQMD all plan applications (i.e. operation, maintenance, and monitoring plans) and applications for permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart UUU, as a Title V permit revision for the approval by the Executive Officer.

6. The operator shall comply with the following applicable standard(s) for CRU Process Vents:

Emission and Operating Limits for CRU Process Vents *(§ 63.1566)*

HAP Type	Emission Limitation	Operating Limit
Organic HAP * (§63.1566)	Reduce uncontrolled emissions of total organic compounds (TOC) or non-methane TOC by 98% by using a control device or to a concentration of 20 ppmv (dry basis as hexane), corrected to 3 percent oxygen, whichever is less stringent. For emissions vented to a boiler or process heater to comply with the percent reduction or concentration emission limitation, the vent stream must be introduced into the flame zone, or any other location that will achieve the percent reduction or concentration standard.	Use of a thermal incinerator, boiler or process heater with a design heat input capacity less than 44 MW, or use of a boiler or process heater in which all vent streams are not introduced into the flame zone. Daily average concentration zone temperature must not fall below the limit established during the performance test.

**Exempt for depressuring and purging operation with reactor vent pressure ≤ 5 psig per § 63.1566(a)(4)*

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Emission and Operating Limits for CRU Process Vents *(§ 63.1567)*

HAP Type	Emission Limitation**	Operating Limit**
Inorganic HAP (§63.1567)	Existing semi-regenerative CRU: Reduce uncontrolled emissions of HCl by 92% by weight or to a concentration of 30 ppmvd corrected to 3% O_2.	Wet scrubber: The daily average pH or alkalinity of the water (or scrubbing liquid) exiting the scrubber must not fall below the limit established during the performance test; and the daily average liquid-to-gas ratio must not fall below the limit established during the performance test.
	Existing cyclic or continuous CRU: Reduce uncontrolled emissions of HCl by 97% by weight or to a concentration of 10 ppmvd corrected to 3% O_2.	Internal scrubbing system or no control device meeting outlet HCl concentration limit: The daily average HCl concentration in the catalyst regenerator exhaust gas must not exceed the limit established during the performance test. Internal scrubbing system meeting HCl percent reduction standard: The daily average pH or alkalinity of the water (or scrubbing liquid) exiting the internal scrubbing system must not fall below the limit established during the performance test; and the daily average liquid-to-gas ratio must not fall below the limit established during the performance test. Moving-bed gas-solid adsorption system (e.g., Chlorsorb™ System): The daily average temperature of the gas entering or exiting the adsorption system must not exceed the limit established during the performance test; and the weekly average chloride level on the sorbent entering the adsorption system must not exceed the design or manufacturer's recommended limit (1.35 weight percent for the Chlorsorb™ System), and the weekly average chloride level on the sorbent leaving the adsorption system must not exceed the design or manufacturer's recommended limit (1.8 weight percent for the Chlorsorb™ System).

***Emission and Operating Limits apply during coke burn-off and catalyst rejuvenation pursuant to §63.1567(a)(2).*

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[40CFR 63 Subpart UUU, #1 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

**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
CRU	Organic HAP	Compliance with all applicable requirements of § 63.1566(b) including installation of a continuous monitoring system, completion of a performance test, and establishment of a site-specific operating limit.	Compliance with all applicable requirements of § 63.1566(c) including demonstration of compliance with operating limit established in the performance test.
CRU	Inorganic HAP	Compliance with all applicable requirements of § 63.1567(b) including installation of a continuous monitoring system, completion of a performance test, and establishment of a site-specific operating limit.	Compliance with all applicable requirements of § 63.1567(c) including demonstration of compliance with operating limit established in the performance test.
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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[40CFR 63 Subpart UUU, #2 04-20-2006]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: CATALYTIC CRACKING UNITS

1. The operator shall comply with the applicable general requirements of Sections 63.1 through 63.15 of Subpart A and Section 63.1570 of Subpart UUU.

2. The operator shall comply with the applicable notification, reporting, and recordkeeping requirements of Sections 63.1574, 63.1575, and 63.1576, respectively.

3. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).

4. The operator shall submit all required reports, notifications, plans, submittals and other communications required by 40CFR63 Subpart A or Subpart UUU to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX, where applicable (see addresses in Sections E and K of this permit).

5. The operator shall submit to AQMD all plan applications (i.e. operation, maintenance, and monitoring plans) and applications for permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart UUU, as a Title V permit revision for the approval by the Executive Officer.

6. The operator shall comply with the following standard(s) for FCCUs:

Emission and Operating Limits for Existing FCCUs *(§63.1564 &§63.1565)*

HAP Type	Emission Limitation	Operating Limit
Metal	1. PM emissions must not exceed 1.0 kg per 1,000 kg (1.0 lb/1,000 lb) of coke burn-off in the catalyst regenerator; 2. Opacity of emissions must not exceed 30 percent, except for one 6-minute average opacity reading in any 1-hour period.	na.
Organic	CO emissions must not exceed 500 ppmv (dry basis)	na.

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

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

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

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

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

Source Type	HAP Type	Initial Compliance	Continuous Compliance
FCCU	Metal HAP	Compliance with all applicable requirements of § 63.1564(b) including installation of a continuous opacity monitoring system and certification of compliance with the emission limits.	Compliance with all applicable requirements of § 63.1564(c) including demonstration of continuous compliance with the applicable Opacity and PM emission limits.
FCCU	Organic HAP	Compliance with all applicable requirements of § 63.1565(b) including installation of a continuous CO monitoring system and certification of compliance with the emission limit.	Compliance with all applicable requirements of § 63.1565(c) including demonstration of continuous compliance with the applicable CO emission limit.
Bypass Lines	HAP	Compliance with all applicable requirements of § 63.1569(b) including demonstration of initial compliance with the applicable work practice standard and submission of an operation, maintenance, and monitoring plan.	Compliance with all applicable requirements of § 63.1569(c) including demonstration of continuous compliance with the applicable work practice standard and with the procedures in the operation, maintenance, and monitoring plan.

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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)]

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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)]

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SECTION K: TITLE V Administration

EMERGENCY PROVISIONS

17. An emergency[1] 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]

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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.

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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;

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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 1105.1	11-7-2003	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	6-3-2011	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 1134	8-8-1997	Federally enforceable
RULE 1146	11-1-2013	Federally enforceable
RULE 1149	5-2-2008	Federally enforceable
RULE 1158	7-11-2008	Federally enforceable
RULE 1168	1-7-2005	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 1189	1-21-2000	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1303	5-10-1996	Federally enforceable
RULE 1303(a)	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1304(c)-Offset Exemption	6-14-1996	Federally enforceable
RULE 1313(d)	12-7-1995	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 1470	5-4-2012	Non federally enforceable
RULE 1703 - PSD Analysis	10-7-1988	Federally enforceable
RULE 2004	4-6-2007	Federally enforceable
RULE 2004	5-11-2001	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	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(1)	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-6-2014	Non federally enforceable
RULE 304	7-9-2004	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	Federally enforceable
RULE 461, Morrison PhaseI EVR AST Conditions	4-6-2012	Non federally enforceable
RULE 462	5-14-1999	Federally enforceable
RULE 463	11-4-2011	Federally enforceable
RULE 465	8-13-1999	Federally enforceable
RULE 475	10-8-1976	Federally enforceable
RULE 475	8-7-1978	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable
CA PRC CEQA	11-23-1970	Non federally enforceable
40CFR 60 Subpart A	4-4-2014	Federally enforceable
40CFR 60 Subpart Db	2-27-2014	Federally enforceable
40CFR 60 Subpart GG	2-24-2006	Federally enforceable
40CFR 60 Subpart GGG	6-2-2008	Federally enforceable
40CFR 60 Subpart GGGa	6-2-2008	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
40CFR 60 Subpart IIII	7-11-2006	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 60SubpartJa	9-12-2012	Federally enforceable
40CFR 61 Subpart A	2-27-2014	Federally enforceable
40CFR 61 Subpart FF	12-4-2003	Federally enforceable
40CFR 61 Subpart FF, #1	12-4-2003	Federally enforceable
40CFR 63 Subpart A	3-27-2014	Federally enforceable
40CFR 63 Subpart CC	6-20-2013	Federally enforceable
40CFR 63 Subpart CC	6-23-2003	Federally enforceable
40CFR 63 Subpart CC, #1	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	10-28-2009	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 CC, #5A	6-23-2003	Federally enforceable
40CFR 63 Subpart UUU, #1	4-20-2006	Federally enforceable
40CFR 63 Subpart UUU, #2	4-20-2006	Federally enforceable
40CFR 68 - Accidental Release Prevention	4-9-2004	Federally enforceable
40CFR 79	7-1-1999	Federally enforceable
40CFR 80	7-1-1999	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable
CONSENT DECREE	3-21-2001	Federally enforceable

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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

3. PORTABLE AIR COMPRESSORS, DIESEL
4. SMALL PORTABLE GENERATORS
5. SMALL FURNACES
6. OVENS
7. BUNSEN BURNERS
8. HOT PLATES
9. FURNACE LIGHTING TORCHES
10. OXYACETYLENE TORCHES
11. PORTABLE WELD MACHINES
12. WELDERS

FACILITY PERMIT TO OPERATE
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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
TESORO REFINING AND MARKETING CO. LLC

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
TESORO REFINING AND MARKETING CO. LLC

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
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]

(1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within 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
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]

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	
Decorative Coatings		350			100
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	340	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	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350			
Rust Preventative Coatings	400	100			
Stone Consolidant		450			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			
Pigmented		550			
Specialty Primers	350	100			
Stains		100			

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]

COATING CATEGORY	Ceiling Limit[1]	Current Limit[2]	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	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	Limit[4]
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

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, repackage, 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 (exclusing 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
TESORO REFINING AND MARKETING CO. LLC

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-SacrificialAnti-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			

FACILITY PERMIT TO OPERATE
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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
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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
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

(1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.

(2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

VOC Limit*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit*
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit*	1-1-05	7-1-05	1-1-07
PVC Welding	510			
CPVC Welding	490			
ABS Welding	400		325	
Plastic Cement Welding	350	250		
Adhesive Primer for Plastic	650		550	
Computer Diskette Manufacturing	350			
Contact Adhesive	80			
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	540			250

** The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

For adhesives, adhesive bonding primers, or any other primer not regulated by the above two tables and applied to the following substrates, the following limits shall apply:

Substrate Specific Applications	Current VOC Limit*
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit*
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

Sealant Primers	**Current VOC Limit***
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

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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)		

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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)**
(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.

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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)	

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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)**
(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.

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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	
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
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

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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

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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
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

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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	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

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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	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

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APPENDIX B: RULE EMISSION LIMITS
[RULE 461, Morrison PhaseI EVR AST Conditions 04-06-2012]

R461, Tesoro, Morrison Phase I EVR, Pre-EVR Phase II, VR/402

Conditions:

SECTION I: GENERAL CONDITIONS

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

SECTION II: PHASE I VAPOR RECOVERY SYSTEM AND TESTING REQUIREMENTS

3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.

4. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN TEN DAYS (10) AFTER THE START OF OPERATION OF THE PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E (OCTOBER 8, 2003). RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

5. A STATIC PRESSURE PERFORMANCE TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE ABOVEGROUND STORAGE TANK. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST VERSION OF EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-402, AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

SECTION III: PHASE II VAPOR RECOVERY SYSTEM AND TESTING REQUIREMENTS

6. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.

7. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST

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SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6 (APRIL 28, 2000) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE SCAQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

SECTION V: GENERAL REQUIREMENTS

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APPENDIX B: RULE EMISSION LIMITS
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8. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.

9. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE AN 470243 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE SCAQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR SCAQMD.

10. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION. COMPLETION OF ANY SCAQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

11. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE NEW VAPOR RECOVERY EQUIPMENT. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION OF THE EQUIPMENT AND ANY OF THE MENTIONED TESTING REQUIREMENTS IN THIS PERMIT, THE APPLICANT SHALL NOTIFY THE SCAQMD BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

12. UNLESS SCAQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE, THE OWNER/OPERATOR SHALL BE RESPONSIBLE TO PERFORM THE SCHEDULED WEEKLY, QUARTERLY, AND ANNUAL INSPECTIONS AS OUTLINED IN THE CARB APPROVED INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR THE MORRISION BROS. PHASE I EVR SYSTEM, AS WELL AS ALL THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE CARB EXECUTIVE ORDER.

13. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND PIPING, THE SCAQMD SHALL BE NOTIFIED BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR: THE NAME OF THE CONTRACTORS: THE LOCATION OF THE FACILITY: AND

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THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.

14. THE SCAQMD SHALL BE NOTIFIED BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE

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FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.

15. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

16. A COPY OF THE PASS/FAIL TEST RESULTS SHALL BE SENT BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER WITHIN SEVENTY-TWO (72) HOURS AFTER EACH TEST IS CONDUCTED. FURTHERMORE, THE FINAL TEST RESULTS DEMONSTRATING COMPLIANCE SHALL BE SUBMITTED BY METHODS SPECIFIED AT THE TIME BY THE EXECUTIVE OFFICER WITHIN FOURTEEN (14) CALENDAR DAYS FROM THE DATE WHEN ALL TESTS WERE PASSED. THE TEST REPORT SHALL INCLUDE AT A MINIMUM ALL THE REQUIRED RECORDS OF ALL TESTS PERFORMED, TEST DATA, CURRENT SCAQMD FACILITY ID NUMBER OF THE LOCATION BEING TESTED, THE EQUIPMENT PERMIT TO OPERATE OR APPLICATION NUMBER, THE SCAQMD ID NUMBER OF THE COMPANY PERFORMING THE TESTS, A STATEMENT WHETHER THE SYSTEM OR COMPONENT TESTED MEETS THE REQUIRED STANDARDS, AND THE NAME, SCAQMD TESTER ID NUMBER AND SIGNATURE OF THE PERSON RESPONSIBLE FOR CONDUCTING THE TESTS.

17. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

18. 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.

SECTION VI: GASOLINE THROUGHPUT REQUIREMENTS

19. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM EACH STORAGE TANK AT THIS FACILITY SHALL NOT EXCEED 30,000 GALLONS IN ANY ONE CALENDAR MONTH NOR 360,000 GALLONS IN ANY ONE CALENDAR YEAR.

20. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

21. THE OWNER/OPERATOR SHALL SUBMIT THE FACILITY'S MONTHLY GASOLINE THROUGHPUT DATA FOR THE PREVIOUS CALENDAR YEAR TO THE EXECUTIVE OFFICER ON OR BEFORE MARCH 1 FOLLOWING EACH CALENDAR YEAR.