FACILITY PERMIT TO OPERATE

TESORO REFINING AND MARKETING CO, LLC
23208 S ALAMEDA ST
CARSON, CA 90810

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:	23208 S ALAMEDA ST CARSON, CA 90810-1919
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
INITIAL TITLE V PERMIT ISSUED:	October 26, 2009
TITLE V PERMIT EXPIRATION DATE:	October 25, 2014

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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 12/24/2014 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2011	6/2012	Coastal	0	0	0
1/2012	12/2012	Coastal	52920	37814	0
7/2012	6/2013	Coastal	0	0	0
1/2013	12/2013	Coastal	52920	2431	0
7/2013	6/2014	Coastal	0	32375	0
1/2014	12/2014	Coastal	52920	79763	0
7/2014	6/2015	Coastal	0	19375	0
1/2015	12/2015	Coastal	52920	79763	0
7/2015	6/2016	Coastal	0	19375	0
1/2016	12/2016	Coastal	52920	79763	0
7/2016	6/2017	Coastal	0	19375	0
1/2017	12/2017	Coastal	52920	79763	0
7/2017	6/2018	Coastal	0	19375	0
1/2018	12/2018	Coastal	52920	79763	0
7/2018	6/2019	Coastal	0	19375	0
1/2019	12/2019	Coastal	52920	79763	0
7/2019	6/2020	Coastal	0	19375	0

Footnotes:

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

2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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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 12/24/2014 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2020	12/2020	Coastal	52920	79763	0
7/2020	6/2021	Coastal	0	19375	0
1/2021	12/2021	Coastal	52920	79763	0
7/2021	6/2022	Coastal	0	19375	0
1/2022	12/2022	Coastal	52920	79763	0
7/2022	6/2023	Coastal	0	19375	0
1/2023	12/2023	Coastal	52920	79763	0
7/2023	6/2024	Coastal	0	19375	0
1/2024	12/2024	Coastal	52920	79763	0
7/2024	6/2025	Coastal	0	19375	0
1/2025	12/2025	Coastal	52920	79763	0
7/2025	6/2026	Coastal	0	19375	0
1/2026	12/2026	Coastal	52920	79763	0
7/2026	6/2027	Coastal	0	19375	0
1/2027	12/2027	Coastal	52920	79763	0
7/2027	6/2028	Coastal	0	19375	0
1/2028	12/2028	Coastal	52920	79763	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

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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 12/24/2014 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2028	6/2029	Coastal	0	19375	0
1/2029	12/2029	Coastal	52920	79763	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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FACILITY PERMIT TO OPERATE
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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.

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	SOx RTC Initially Allocated	SOx RTC Holding as of 12/24/2014 (pounds) [1]	Non-Tradable Credits (NTCs) (pounds) [2]
7/2011	6/2012	Coastal	0	1751	
1/2012	12/2012	Coastal	46857	41493	
7/2012	6/2013	Coastal	0	0	
1/2013	12/2013	Coastal	46857	44360	
7/2013	6/2014	Coastal	0	4674	
1/2014	12/2014	Coastal	46857	51916	
7/2014	6/2015	Coastal	0	4565	
1/2015	12/2015	Coastal	46857	51916	
7/2015	6/2016	Coastal	0	4565	
1/2016	12/2016	Coastal	46857	51916	
7/2016	6/2017	Coastal	0	4565	
1/2017	12/2017	Coastal	46857	50680	1235
7/2017	6/2018	Coastal	0	4457	109
1/2018	12/2018	Coastal	46857	50680	1235
7/2018	6/2019	Coastal	0	4457	109
1/2019	12/2019	Coastal	46857	49816	2100
7/2019	6/2020	Coastal	0	4381	185

Footnotes:

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

2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

FACILITY PERMIT TO OPERATE
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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC [1] Holding as of 12/24/2014 (pounds)	Non-Tradable [2] Credits (NTCs) (pounds)
1/2020	12/2020	Coastal	46857	49816	
7/2020	6/2021	Coastal	0	4381	
1/2021	12/2021	Coastal	46857	49816	
7/2021	6/2022	Coastal	0	4381	
1/2022	12/2022	Coastal	46857	49816	
7/2022	6/2023	Coastal	0	4381	
1/2023	12/2023	Coastal	46857	49816	
7/2023	6/2024	Coastal	0	4381	
1/2024	12/2024	Coastal	46857	49816	
7/2024	6/2025	Coastal	0	4381	
1/2025	12/2025	Coastal	46857	49816	
7/2025	6/2026	Coastal	0	4381	
1/2026	12/2026	Coastal	46857	49816	
7/2026	6/2027	Coastal	0	4381	
1/2027	12/2027	Coastal	46857	49816	
7/2027	6/2028	Coastal	0	4381	
1/2028	12/2028	Coastal	46857	49816	

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

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Year Begin (month/year)	End	Zone	SOx RTC Initially Allocated	SOx RTC [1] Holding as of 12/24/2014 (pounds)	Non-Tradable [2] Credits (NTCs) (pounds)
7/2028	6/2029	Coastal	0	4381	
1/2029	12/2029	Coastal	46857	49816	

Footnotes:

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

2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

FACILITY PERMIT TO OPERATE
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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	73230	0

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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	SOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
1/1994	12/1994	Coastal	173422	143994

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: GAS-WATER TREATMENT/STRIPPING					
System 1: SOUR WATER STRIPPER (SWS) UNIT NORTH					S15.3, S15.4
COLUMN, STRIPPER, V-1236, SOUR WATER, HEIGHT: 120 FT ; DIAMETER: 7 FT A/N: 469457	D1				
KNOCK OUT POT, V-1229, AMMONIA, ACID GAS, COMMON TO NORTH & SOUTH SWS UNITS, HEIGHT: 10 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 469457	D3				
SUMP, SOUR WATER, FIXED ROOF, COMMON TO NORTH & SOUTH SWS UNITS, WIDTH: 5 FT ; DEPTH: 8 FT ; LENGTH: 10 FT A/N: 469457	D4				E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469457	D184				H23.1
System 2: SOUR WATER STRIPPER (SWS) UNIT SOUTH					S15.3, S15.4
COLUMN, STRIPPER, V-1237, SOUR WATER, HEIGHT: 120 FT ; DIAMETER: 7 FT A/N: 469406	D5				
KNOCK OUT POT, V-1229, AMMONIA, ACID GAS, COMMON TO NORTH & SOUTH SWS UNITS, HEIGHT: 10 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 469457	D3				

* (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: GAS-WATER TREATMENT/STRIPPING					
SUMP, SOUR WATER, FIXED ROOF, COMMON TO NORTH & SOUTH SWS UNITS, WIDTH: 5 FT ; DEPTH: 8 FT ; LENGTH: 10 FT A/N: 469457	D4				E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469457	D185				H23.1
System 3: FOUL WATER STRIPPER UNIT NO. 250					S15.3, S15.4
COLUMN, STRIPPER, V-1261, HEIGHT: 24 FT ; DIAMETER: 2 FT 6 IN A/N: 469407	D7				
VESSEL, SEPARATOR, V-1266, REFLUX HYDROCARBON, HEIGHT: 3 FT ; DIAMETER: 1 FT A/N: 469407	D8				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469407	D186				H23.1
System 4: AMMONIA KNOCK-OUT SYSTEM					S15.3, S15.4
KNOCK OUT POT, V-1286, HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 469408	D9				
System 5: HYDROGEN SULFIDE KNOCK-OUT SYSTEM					S15.3, S15.4
KNOCK OUT POT, V-1287, HYDROGEN SULFIDE, HEIGHT: 9 FT 2 IN; DIAMETER: 5 FT A/N: 469409	D24				
Process 2: AMINE REGENERATION					
System 1: DEA STRIPPING UNIT NO. 100					S15.3, S15.4

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

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

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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 2: AMINE REGENERATION					
COLUMN, AMINE STRIPPER, V-1675, HEIGHT: 35 FT ; DIAMETER: 7 FT A/N: 469410	D10				
VESSEL, V-1257, AMINE STRIPPER REFLUX, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 469410	D11				
SUMP, NORTH, AMINE, COMMON TO H2S STRIPPING UNIT NO. 100 & 200, DEPTH: 4 FT ; DIAMETER: 4 FT 6 IN A/N: 469410	D13				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469410	D187				H23.1
System 2: DEA STRIPPING UNIT NO. 200					S15.3, S15.4
COLUMN, AMINE STRIPPER, V-1676, HEIGHT: 41 FT 1 IN; DIAMETER: 6 FT 11.5 IN A/N: 469411	D14				
VESSEL, V-1252, REFLUX, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 469411	D15				
SUMP, NORTH, AMINE, COMMON TO H2S STRIPPING UNIT NO. 100 & 200, DEPTH: 4 FT ; DIAMETER: 4 FT 6 IN A/N: 469410	D13				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469411	D188				H23.1
System 3: MDEA STRIPPING UNIT NO. 400					S15.3, S15.4

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

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

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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 2: AMINE REGENERATION					
COLUMN, AMINE STRIPPER, V-1673, HEIGHT: 46 FT ; DIAMETER: 5 FT A/N: 469412	D20				
VESSEL, V-1677, REFLUX, HEIGHT: 12 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 469412	D21				
SUMP, SOUTH, AMINE, COMMON TO UNITS NO. 400, 500, AND 550, DEPTH: 4 FT ; DIAMETER: 4 FT 6 IN A/N: 469413	D19				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469412	D189				H23.1
System 4: MDEA STRIPPING UNIT NO. 500					S15.3, S15.4
COLUMN, AMINE STRIPPER, V-1674, AMINE, HEIGHT: 46 FT ; DIAMETER: 5 FT A/N: 469414	D22				
VESSEL, V-1678, REFLUX, HEIGHT: 12 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 469414	D23				
SUMP, SOUTH, AMINE, COMMON TO UNITS NO. 400, 500, AND 550, DEPTH: 4 FT ; DIAMETER: 4 FT 6 IN A/N: 469413	D19				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469414	D190				H23.1
System 5: DEA STRIPPING UNIT NO. 550					S15.3, S15.4
COLUMN, AMINE STRIPPER, V-1682, HEIGHT: 42 FT ; DIAMETER: 7 FT A/N: 469413	D17				

* (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

The operator 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: AMINE REGENERATION					
VESSEL, V-1291, REFLUX, LENGTH: 9 FT ; DIAMETER: 3 FT A/N: 469413	D18				
SUMP, SOUTH, AMINE, COMMON TO UNITS NO. 400, 500, AND 550, DEPTH: 4 FT ; DIAMETER: 4 FT 6 IN A/N: 469413	D19				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469413	D191				H23.1
Process 3: SULFUR RECOVERY PROCESS					
System 1: SULFUR RECOVERY - CLAUS UNIT NO. 300					S13.1, S13.4, S15.1, S15.2, S18.4
BLOWER, COMBUSTION AIR, B-82/83, ONE SPARE, 270-HP A/N: 469415	D116				
FURNACE, REACTION, H-301, H2S GAS, WITH WASTE HEAT BOILER A/N: 469415	D29				
CONDENSER, E-301, FIRST A/N: 469415	D147				
BURNER, FIRST STAGE AUXILIARY, F-301, (H2S FIRED) A/N: 469415	D27				
VESSEL, CONVERTER, FIRST STAGE, V-1267, HEIGHT: 22 FT ; DIAMETER: 12 FT A/N: 469415	D25				
CONDENSER, E-302, SECOND A/N: 469415	D148				

* (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 3: SULFUR RECOVERY PROCESS					
BURNER, SECOND STAGE AUXILIARY, F-302, (H2S FIRED) A/N: 469415	D28				
VESSEL, CONVERTER, SECOND STAGE, V-1268, HEIGHT: 22 FT ; DIAMETER: 13 FT A/N: 469415	D26				
CONDENSER, E-303, THIRD A/N: 469415	D149				
PIT, ACCUMULATOR, T-1, SULFUR, EQUIPED W/ INTERNAL STEAM COILS AND TWO TRANSFER PUMPS, WIDTH: 8 FT ; DEPTH: 5 FT 6 IN; LENGTH: 9 FT A/N: 469416	D62			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
HEATER, 3RD CLAUS STAGE REHEATER, F-705, 6 MMBTU/HR, COMMON TO SRU NOS.300, 600, 700 AND 750 A/N: 469415	D30				
VESSEL, CONVERTER, 3RD CLAUS STAGE, V-1670, COMMON TO SRU NOS.300,600,700 AND 750, LENGTH: 30 FT ; DIAMETER: 14 FT A/N: 469415	D31				

* (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

The operator 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: SULFUR RECOVERY PROCESS					
CONDENSER, E-1429, FINAL, 3RD CLAUS STAGE, COMMON TO SRU NOS. 300, 600, 700 & 750 A/N: 469415	D166			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **H2S**: 10 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #4, 4-20-2006**]; **REDUCED S**: 300 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 250 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	A99.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469415	D192				H23.1
System 2: SULFUR RECOVERY - CLAUS UNIT NO. 600					S13.1, S13.4, S15.1, S15.2, S18.4
BLOWER, COMBUSTION AIR, B-84, 400-HP A/N: 469417	D117				
FURNACE, REACTION, H-601, WITH WASTE HEAT BOILER WITH A/N: 469417 BURNER, PARSONS TYPE, NH3-ACID GAS	D37				
BLOWER, COMBUSTION AIR, B-85, SPARE TO B-84 & B-88, 150-H.P A/N: 469417	D114				
CONDENSER, E-601, FIRST A/N: 469417	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.)
(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 3: SULFUR RECOVERY PROCESS					
BURNER, FIRST STAGE AUXILIARY, F-601, (H2S FIRED) A/N: 469417	D34				
VESSEL, CONVERTER, FIRST STAGE, V-1280, LENGTH: 10 FT ; DIAMETER: 11 FT A/N: 469417	D32				
CONDENSER, E-602, SECOND A/N: 469417	D167				
BURNER, SECOND STAGE AUXILIARY, F-602, (H2S FIRED) A/N: 469417	D35				
VESSEL, CONVERTER, SECOND STAGE, V-1281, LENGTH: 10 FT ; DIAMETER: 11 FT A/N: 469417	D33				
CONDENSER, E-603, THIRD A/N: 469417	D170				
VESSEL, COALESCER, V-1279, HEIGHT: 10 FT ; DIAMETER: 6 FT 6 IN A/N: 469417	D36				
PIT, ACCUMULATOR, T-601, SULFUR, EQUIPPED WITH INTERNAL STEAM COILS, COMMON TO SRU NOS. 600, 700 & 750, WIDTH: 12 FT ; DEPTH: 9 FT 6 IN; LENGTH: 36 FT A/N: 469418	D63			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2

* (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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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: SULFUR RECOVERY PROCESS					
PIT, STEAM HEATED, ACCUMULATOR, T-701, SULFUR, COMMON TO SRU NOS. 600, 700 & 750, DEPTH: 8 FT ; DIAMETER: 4 FT 9 IN A/N: 469419	D65			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
HEATER, 3RD CLAUS STAGE REHEATER, F-705, 6 MMBTU/HR, COMMON TO SRU NOS.300, 600, 700 AND 750 A/N: 469415	D30				
VESSEL, CONVERTER, 3RD CLAUS STAGE, V-1670, COMMON TO SRU NOS.300,600,700 AND 750, LENGTH: 30 FT ; DIAMETER: 14 FT A/N: 469415	D31				
CONDENSER, E-1429, FINAL, 3RD CLAUS STAGE, COMMON TO SRU NOS. 300, 600, 700 & 750 A/N: 469415	D166			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **H2S**: 10 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #4, 4-20-2006**]; **REDUCED S**: 300 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 250 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	A99.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469417	D193				H23.1
System 3: SULFUR RECOVERY - CLAUS UNIT NO. 700					S13.1, S13.4, S15.1, S15.2, S18.4

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: SULFUR RECOVERY PROCESS					
BLOWER, COMBUSTION AIR, B-88, 400-HP A/N: 469420	D133				
FURNACE, H-701, REACTION, WITH WASTE HEAT BOILER WITH A/N: 469420 BURNER, PARSONS TYPE, NH3 -ACID FIRED	D41				
BLOWER, COMBUSTION AIR, B-85, SPARE TO B-84 & B-88, 150-H.P A/N: 469417	D114				
CONDENSER, E-701, FIRST A/N: 469420	D164				
BURNER, FIRST STAGE AUXILIARY, F-701, H2S FIRED A/N: 469420	D101				
VESSEL, CONVERTER, FIRST STAGE, V-1283, LENGTH: 10 FT ; DIAMETER: 11 FT A/N: 469420	D38				
CONDENSER, E-702, SECOND A/N: 469420	D168				
BURNER, SECOND STAGE AUXILIARY, F-702, H2S FIRED A/N: 469420	D103				
VESSEL, CONVERTER, SECOND STAGE, V-1284, LENGTH: 10 FT ; DIAMETER: 11 FT A/N: 469420	D39				
CONDENSER, E-703, THIRD A/N: 469420	D171				

* (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 3: SULFUR RECOVERY PROCESS					
VESSEL, COALESCER, V-1282, HEIGHT: 10 FT ; DIAMETER: 6 FT 6 IN A/N: 469420	D40				
PIT, ACCUMULATOR, T-601, SULFUR, EQUIPPED WITH INTERNAL STEAM COILS, COMMON TO SRU NOS. 600, 700 & 750, WIDTH: 12 FT ; DEPTH: 9 FT 6 IN; LENGTH: 36 FT A/N: 469418	D63			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
PIT, STEAM HEATED, ACCUMULATOR, T-701, SULFUR, COMMON TO SRU NOS. 600, 700 & 750, DEPTH: 8 FT ; DIAMETER: 4 FT 9 IN A/N: 469419	D65			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
HEATER, 3RD CLAUS STAGE REHEATER, F-705, 6 MMBTU/HR, COMMON TO SRU NOS.300, 600, 700 AND 750 A/N: 469415	D30				
VESSEL, CONVERTER, 3RD CLAUS STAGE, V-1670, COMMON TO SRU NOS.300,600,700 AND 750, LENGTH: 30 FT ; DIAMETER: 14 FT A/N: 469415	D31				

* (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: SULFUR RECOVERY PROCESS					
CONDENSER, E-1429, FINAL, 3RD CLAUS STAGE, COMMON TO SRU NOS. 300, 600, 700 & 750 A/N: 469415	D166			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **H2S**: 10 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #4, 4-20-2006**]; **REDUCED S**: 300 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 250 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	A99.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469420	D194				H23.1
System 4: SULFUR RECOVERY - CLAUS UNIT NO. 750					S13.1, S13.4, S15.1, S15.2, S18.4
BLOWER, COMBUSTION AIR, B-91/92, ONE SPARE, 360-HP A/N: 469421	D119				
FURNACE, REACTION, H-751, WITH WASTE HEAT BOILER WITH A/N: 469421 BURNER	D45				
CONDENSER, E-751, FIRST A/N: 469421	D165				
BURNER, SECOND STAGE AUXILIARY, F-751 A/N: 469421	D43				

* (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: SULFUR RECOVERY PROCESS					
VESSEL, CONVERTER, FIRST/SECOND STAGE, V-1288, HEIGHT: 30 FT ; DIAMETER: 12 FT A/N: 469421	D42				
CONDENSER, E-752, SECOND A/N: 469421	D169				
VESSEL, CONVERTER, SECOND STAGE, HEIGHT: 30 FT ; DIAMETER: 12 FT A/N: 469421	D175				
CONDENSER, E-753, THIRD A/N: 469421	D172				
VESSEL, COALESCER, V-1285, HEIGHT: 8 FT ; DIAMETER: 5 FT A/N: 469421	D44				
PIT, ACCUMULATOR, T-601, SULFUR, EQUIPPED WITH INTERNAL STEAM COILS, COMMON TO SRU NOS. 600, 700 & 750, WIDTH: 12 FT ; DEPTH: 9 FT 6 IN; LENGTH: 36 FT A/N: 469418	D63			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
PIT, STEAM HEATED, ACCUMULATOR, T-701, SULFUR, COMMON TO SRU NOS. 600, 700 & 750, DEPTH: 8 FT ; DIAMETER: 4 FT 9 IN A/N: 469419	D65			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **SO2**: 250 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
HEATER, 3RD CLAUS STAGE REHEATER, F-705, 6 MMBTU/HR, COMMON TO SRU NOS.300, 600, 700 AND 750 A/N: 469415	D30				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: SULFUR RECOVERY PROCESS					
VESSEL, CONVERTER, 3RD CLAUS STAGE, V-1670, COMMON TO SRU NOS.300,600,700 AND 750, LENGTH: 30 FT ; DIAMETER: 14 FT A/N: 469415	D31				
CONDENSER, E-1429, FINAL, 3RD CLAUS STAGE, COMMON TO SRU NOS. 300, 600, 700 & 750 A/N: 469415	D166			**H2S**: 10 PPMV (5) [**RULE 468, 10-8-1976**]; **H2S**: 10 PPMV (8) [**40CFR 60 Subpart J, 9-12-2012**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #4, 4-20-2006**]; **REDUCED S**: 300 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 250 PPMV (8A) [**40CFR 60 Subpart J, 6-24-2008**]; **SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	A99.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469421	D195				H23.1
System 5: SULFTEN TAIL GAS TREATING UNIT, REDUCTION CONTROL					S13.3, S13.4, S18.1
BLOWER, COMBUSTION AIR, B-59/60, EACH 250-HP, COMMON TO TAIL GAS TREATING UNIT & SPARE A/N: 542099	D120				
BLOWER, TAIL GAS BOOSTER, B-61/62, EACH 415-HP, COMMON TO TAIL GAS TREATING UNIT & SPARE A/N: 542099	D122				

* (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: SULFUR RECOVERY PROCESS					
GENERATOR, F-1401/1402, 7.6 MMBTU/HR EACH, REDUCING GAS, COMMON TO TAIL GAS TREATING UNIT & SPARE A/N: 542099	D46				
REACTOR, HYDROGENATION, V-1589, LENGTH: 17 FT ; DIAMETER: 10 FT A/N: 542099	D48				
ABSORBER, V-1664, HEIGHT: 118 FT ; DIAMETER: 12 FT A/N: 542099	D51	C54 C56 S159		**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #4, 4-20-2006**]	D232.1, D232.2, D332.1, E57.1
STACK A/N: 542099	S159	D51			
TANK, PROCESS, TK-507, LEAN SOLVENT, WITH NATURAL GAS BLANKET, 500 BBL, HEIGHT: 16 FT ; DIAMETER: 15 FT A/N: 542099	D50				E336.1
TANK, BLOWDOWN WATER, TK-7506, COMMON TO TAIL GAS TREATING UNIT & SPARE, 7500 BBL; DIAMETER: 40 FT ; HEIGHT: 35 FT A/N: 542099	D127				
FILTER, QUENCH WATER, V-1665/1666, DISPOSABLE CARTRIDGE TYPE, COMMON TO TAIL GAS TREATING UNIT & SPARE, HEIGHT: 4 FT ; DIAMETER: 1 FT 2 IN A/N: 542099	D128				

* (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: SULFUR RECOVERY PROCESS					
FILTER, LEAN SOLVENT, V-1667/1668, DISPOSABLE CARTRIDGE TYPE, COMMON TO TAIL GAS TREATING UNIT & SPARE, HEIGHT: 4 FT ; DIAMETER: 1 FT 2 IN A/N: 542099	D129				
System 6: SULFTEN TAIL GAS TREATING UNIT (SPARE), REDUCTION CONTROL					S13.3, S13.4, S18.1
BLOWER, COMBUSTION AIR, B-59/60, EACH 250-HP, COMMON TO TAIL GAS TREATING UNIT & SPARE A/N: 542099	D120				
BLOWER, TAIL GAS BOOSTER, B-61/62, EACH 415-HP, COMMON TO TAIL GAS TREATING UNIT & SPARE A/N: 542099	D122				
GENERATOR, F-1401/1402, 7.6 MMBTU/HR EACH, REDUCING GAS, COMMON TO TAIL GAS TREATING UNIT & SPARE A/N: 542099	D46				
REACTOR, HYDROGENATION, V-1226 A/N: 542100	D49				
ABSORBER, V-1906, HEIGHT: 118 FT ; DIAMETER: 12 FT A/N: 542100	D52	C54 C56 S178		**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **HAP**: (10) [**40CFR 63 Subpart UUU, #4, 4-20-2006**]	D232.1, D232.2, D332.1, E57.1
STACK A/N: 542100	S178	D52			

* (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 3: SULFUR RECOVERY PROCESS					
TANK, BLOWDOWN WATER, TK-7506, COMMON TO TAIL GAS TREATING UNIT & SPARE, 7500 BBL; DIAMETER: 40 FT ; HEIGHT: 35 FT A/N: 542099	D127				
FILTER, QUENCH WATER, V-1665/1666, DISPOSABLE CARTRIDGE TYPE, COMMON TO TAIL GAS TREATING UNIT & SPARE, HEIGHT: 4 FT ; DIAMETER: 1 FT 2 IN A/N: 542099	D128				
FILTER, LEAN SOLVENT, V-1667/1668, DISPOSABLE CARTRIDGE TYPE, COMMON TO TAIL GAS TREATING UNIT & SPARE, HEIGHT: 4 FT ; DIAMETER: 1 FT 2 IN A/N: 542099	D129				
System 7: INCINERATORS					S13.3, S13.4, S18.3
INCINERATOR, F-754, NATURAL GAS, PROCESS GAS, REFINERY GAS, NORMALLY ON STANDBY, 52 MMBTU/HR WITH A/N: 469425 BURNER, NATURAL GAS, REFINERY GAS, CALLIDUS, 52 MMBTU/HR	C54	D51 D52 S55	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**]	C8.1, C8.2, D29.1, D82.1, D328.1
STACK, F-754, HEIGHT: 113 FT ; DIAMETER: 7 FT A/N: 469425	S55	C54			

* (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 3: SULFUR RECOVERY PROCESS					
INCINERATOR, F-704, NATURAL GAS, PROCESS GAS, REFINERY GAS, NORMALLY ON STANDBY, 45 MMBTU/HR A/N: 469426	C56	D51 D52 S105	NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 110 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**]	C1.1, C8.1, C8.2, D29.1, D328.1
STACK A/N: 469426	S105	C56			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469425	D196				H23.1
System 8: SULFUR STORAGE					
STORAGE TANK, FIXED ROOF, STEAM HEATED, TK-1032, SULFUR, 290000 GALS; DIAMETER: 45 FT ; HEIGHT: 25 FT A/N: 469427	D64			**SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
STORAGE TANK, FIXED ROOF, STEAM HEATED, TK-1021, SULFUR, 290000 GALS; DIAMETER: 45 FT ; HEIGHT: 25 FT A/N: 469432	D66			**SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
Process 4: LOADING/UNLOADING					
System 1: LIQUID SULFUR TANK TRUCK LOADING					
LOADING ARM, TANK TRUCK, LIQUID SULFUR, DIAMETER: 3 IN A/N: 469433	D57			**SOX**: 500 PPMV (5) [**RULE 407, 4-2-1982**]	E336.2
Process 5: STORAGE TANKS					
System 1: FIXED ROOF STORAGE TANKS					S13.2, S15.4

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

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

FACILITY PERMIT TO OPERATE
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: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK-1017, DEAERATOR CHARGE WATER, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469434	D67				K67.2
STORAGE TANK, FIXED ROOF, TK-1029, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469436	D68				E336.1, K67.2
STORAGE TANK, FIXED ROOF, TK-1030, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469437	D69				E336.1, K67.2
STORAGE TANK, FIXED ROOF, TK-1028, 2000 BBL; DIAMETER: 25 FT ; HEIGHT: 22 FT A/N: 469438	D70				E336.1, K67.2
STORAGE TANK, FIXED ROOF, TK-1027, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469440	D71				E336.1, K67.2
STORAGE TANK, FIXED ROOF, TK-1018, DEAERATOR CHARGE WATER, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469442	D72				K67.2
STORAGE TANK, FIXED ROOF, TK-1026, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469443	D73				E336.1, 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

** 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 5: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK-1020, 700 BBL; DIAMETER: 14 FT 6 IN; HEIGHT: 24 FT A/N: 469445	D74				E336.1, K67.2
STORAGE TANK, FIXED ROOF, TK-1019, LEAN DEA, 1000 BBL; DIAMETER: 18 FT ; HEIGHT: 22 FT A/N: 469446	D75				K67.2
STORAGE TANK, FIXED ROOF, TK-1025, 440 BBL; DIAMETER: 14 FT ; HEIGHT: 16 FT A/N: 469449	D60				E336.1, K67.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469434	D135				H23.1
Process 6: WASTEWATER HANDLING					
System 1: EFFLUENT WASTEWATER DISPOSAL SYSTEM					
SUMP, EFFLUENT CATCH BASIN, WIDTH: 20 FT ; DEPTH: 10 FT ; LENGTH: 20 FT WITH A/N: 469450 SKIMMING POND, NORTH, WIDTH: 7 FT ; LENGTH: 10 FT SKIMMING POND, SOUTH, WIDTH: 7 FT ; LENGTH: 10 FT	D61				
Process 7: UTILITIES					
System 1: BOILERS					

* (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 7: UTILITIES					
BOILER, H-1601, NATURAL GAS, REFINERY GAS, ERIE CITY ENERGY DIVISION, WITH LOW NOX BURNER, 112.4 MMBTU/HR WITH A/N: 469452 BURNER, NATURAL GAS, REFINERY GAS, JOHN ZINK, MODEL 30 NOX, WITH LOW NOX BURNER, 112.4 MMBTU/HR	D76	S110	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.01 GRAINS/SCF (5A) [**RULE 476, 10-8-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **PM**: 11 LBS/HR (5B) [**RULE 476, 10-8-1976**]	A327.1, D328.1
STACK A/N: 469452	S110	D76 D77			
BOILER, H-1602, NATURAL GAS, REFINERY GAS, 112.4 MMBTU/HR WITH A/N: 469453 BURNER, NATURAL GAS, REFINERY GAS, 30 NOX, JOHN ZINK, WITH LOW NOX BURNER, 112.4 MMBTU/HR	D77	S110	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **PM**: 0.01 GRAINS/SCF (5A) [**RULE 476, 10-8-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **PM**: 11 LBS/HR (5B) [**RULE 476, 10-8-1976**]	A327.1, D328.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469452	D136				H23.1
System 2: INTERNAL COMBUSTION ENGINE					

* (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 7: UTILITIES					
INTERNAL COMBUSTION ENGINE, ENG-15, 4 CYLINDERS, DIESEL FUEL, SCHRAM, MODEL 71N, EMERGENCY AIR COMPRESSOR, WITH AFTERCOOLER, TURBOCHARGER, 280 HP A/N: 469454	D134		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **SOX**: 6.24 LBS/1000 GAL (1) [**RULE 2011, 5-6-2005**]	B61.1, C1.2, D12.1, D135.1, K67.6
Process 8: AIR POLLUTION CONTROL					
System 1: SULFUR VAPOR COLLECTION SYSTEM					S15.6, S18.5
BLOWER, SULFUR VENT BLOWER, B-175/176/177/178, 4 TOTAL, EACH 15 H.P., (2 STANDBY) A/N: 469417	D111				
System 2: VAPOR RECOVERY & FUEL GAS TREATING SYSTEM					S15.4
VESSEL, FLASH, V-1271, LENGTH: 12 FT ; DIAMETER: 6 FT A/N:	D89				
POT, WATER SEAL, V-1272, HEIGHT: 5 FT ; DIAMETER: 1 FT 6 IN A/N:	D91				
VESSEL, FLASH, V-1292, LENGTH: 12 FT ; DIAMETER: 6 FT A/N:	D90				
POT, WATER SEAL, V-1293, HEIGHT: 5 FT ; DIAMETER: 1 FT 6 IN A/N:	D92				
COMPRESSOR, C-115, RECIPROCATING TYPE, 25-HP A/N:	D95				
ABSORBER, V-1256, HEIGHT: 18 FT ; DIAMETER: 1 FT 3 IN A/N:	D97				

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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
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 8: AIR POLLUTION CONTROL					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D138				H23.1
System 3: EMERGENCY FLARE					S18.2
FLARE, ELEVATED WITH STEAM INJECTION, H-960, JOHN ZINK MODEL STF-8, WITH THREE PILOTS, HEIGHT: 50 FT ; DIAMETER: 8 FT A/N: 469456	C96				D12.2, D323.1, E193.1, H23.8
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 469456	D137				H23.1
System 4: PORTABLE RENTAL FLARE					S18.2
FLARE, ELEVATED WITH STEAM INJECTION, EMERGENCY, JOHN ZINK MODEL QS-24, WITH THREE NATURAL GAS FIRED PILOTS WITH 7 STEAM JETS, HEIGHT: 50 FT ; DIAMETER: 2 FT A/N: 471885	C183				D12.2, D323.1, E71.1, E193.1, H23.8, K67.5, K171.1, L96.1
Process 9: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E141				H23.3
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E143			**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	D322.1, D323.2, K67.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E144			**VOC**: (9) [**RULE 1107, 1-6-2006; RULE 1136, 6-14-1996; RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	H23.7

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(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 9: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E145			**VOC**: (9) [**RULE 1113, 7-13-2007;** *RULE 1113, 9-6-2013;* **RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	K67.3
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT	E181			**VOC**: (9) [**RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	H23.5
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E182			**VOC**: (9) [**RULE 1168, 1-7-2005; RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	H23.7
RULE 219 EXEMPT EQUIPMENT, ICE, GASOLINE, 13 BHP, GOODWAY, SERIAL NO. 001492 A/N:	D199				H23.10

* (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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** 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: 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 D: DEVICE ID INDEX

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FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

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SECTION D: DEVICE ID INDEX

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SECTION D: DEVICE ID INDEX

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D135	20	5	1
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D137	23	8	3
D138	23	8	2
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E144	23	9	0
E145	24	9	0
D147	5	3	1
D148	5	3	1
D149	6	3	1
S159	15	3	5
D163	7	3	2
D164	10	3	3
D165	12	3	4
D166	7	3	1
D166	9	3	2
D166	12	3	3
D166	14	3	4
D167	8	3	2
D168	10	3	3
D169	13	3	4
D170	8	3	2
D171	10	3	3
D172	13	3	4
D175	13	3	4

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
S178	16	3	6
E181	24	9	0
E182	24	9	0
C183	23	8	4
D184	1	1	1
D185	2	1	2
D186	2	1	3
D187	3	2	1
D188	3	2	2
D189	4	2	3
D190	4	2	4
D191	5	2	5
D192	7	3	1
D193	9	3	2
D194	12	3	3
D195	14	3	4
D196	18	3	7
D199	24	9	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]

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:

F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/Title V permit issued by the AQMD pursuant to Rule 201 - Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

(a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)

(b) In-line Mixer

(c) Pump

(d) Knockout Pot - Compressor inlet (immediate inlet) and interstage

(e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur recovery plant which may be located outside of the facility.

FACILITY PERMIT TO OPERATE
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 2004, 4-6-2007**]

F52.1 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**]

F52.2 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**]

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

CONSENT DECREE CIVIL NO. H-01-0978

[**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.

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:

SYSTEM CONDITIONS

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

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J
Total Reduced Sulfur	40CFR60, SUBPART	J
H2S	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.104(a)(2)) during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit (40CFR60.104(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 A, 4-4-2014; 40CFR 60 Subpart J, 9-12-2012**]

[Systems subject to this condition : Process 3, System 1 , 2 , 3 , 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	District Rule	463

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

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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:

[Systems subject to this condition : Process 5, 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
SOX	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c) and Consent Decree Civil Action H-01-0978, emissions in excess of the level of the applicable emission limit (40CFR104(a)(1) and 40CFR60.104(a)(2)) during periods of malfunction shall not be considered a violation of the applicable emission limit (40CFR60.104(a)(1) and 40CFR60.104(a)(2)) unless otherwise specified in the applicable standard.

When this equipment is subject to both standards, 40CFR60.104(a)(1) and 40CFR60.104(a)(2), this equipment shall comply with 40CFR60.104(a)(1), the more stringent of the two limits, unless compliance can be determined independently for each requirement.

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

[**40CFR 60 Subpart A, 4-4-2014; 40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Systems subject to this condition : Process 3, System 5 , 6 , 7]

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

Contaminant	Rule	Rule/Subpart
Total Reduced Sulfur	40CFR63, SUBPART	UUU

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:

Pursuant to 40CFR63.7(e), emissions in excess of the level of the relevant standard during periods of startup, shutdown, and malfunction shall not be considered a violation of the relevant standard unless otherwise specified in the relevant standard or a determination of noncompliance is made under Section 63.6(e).

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

[**40CFR 63 Subpart A, 3-27-2014; 40CFR 63 Subpart UUU, 4-20-2006**]

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

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

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

This process/system shall not be operated unless the tail 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(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 3, System 1 , 2 , 3 , 4]

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

All vent gases under emergency, startup, and shutdown shall be directed to the incinerator.

This process/system shall not be operated unless the incinerator(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(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 3, System 1 , 2 , 3 , 4]

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

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

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

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

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

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

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

This process/system shall not be operated unless the 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(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

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

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

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:

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

[**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 8, System 1]

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:

Sulfur Recovery - Claus Units (Process: 3, System: 1, 2, 3 & 4)

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

[Systems subject to this condition : Process 3, System 5 , 6]

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:

Gas-Water Treatment/Stripping (Process: 1, System: 1, 2, 3, 4 & 5)

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

Vapor Recovery/Fuel Gas Treating System (Process: 8, System: 2)

Fixed Roof Storage Tanks (Process: 5, System: 1)

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

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:

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

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

Sulfur Recovery - Claus Units (Process: 3, System: 1, 2, 3 & 4)

Tail Gas Treating Units (Process: 3, System: 5 & 6)

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

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

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:

Sulfur Vapor Collection System (Process: 8, System: 1)

Gas-Water Treatment/Stripping (Process: 1, System: 1, 2, 3, 4 & 5)

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

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

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

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:

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:

Sour Water Sump (Process: 1, System: 1, 2)

Sulfur Pits (Process: 3, System: 1, 2, 3, 4)

Sulfur Storage (Process: 3, System: 8)

Liquid Sulfur Tank Truck Loading (Process: 4, System: 1)

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

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

DEVICE CONDITIONS

A. Emission Limits

A99.1 The 250 PPM SOX emission limit(s) shall only apply when the tail gas is routed to the incinerator, C54 or C56.

Whenever the tail gas is not routed to C54 or C56, the 300 PPM REDUCED SULFUR limit (calculated as SO2) shall apply.

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

[Devices subject to this condition : D166]

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

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

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 : D76, D77]

B. Material/Fuel Type Limits

B61.1 The operator shall only use diesel fuel containing the following specified compounds:

Compound	weight percent
Sulfur less than or equal to	0.05

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

[Devices subject to this condition : D134]

C. Throughput or Operating Parameter Limits

C1.1 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 large RECLAIM NOx source.

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

[Devices subject to this condition : C56]

C1.2 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.

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 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 5-4-2012; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D134]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1050 Deg F.

The operator shall maintain a temperature of 1050 Deg F or greater at all times when venting tail gasses containing H2S of 10 ppmv or greater to the incinerator except during the initial venting of these gases to the incinerator for a period not to exceed 30 minutes during which the temperature shall be maintained at not less than 560 deg F.

This condition shall only apply when the incinerator is processing tail gases containing H2S of 10 ppmv or greater.

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

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

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 402, 5-7-1976]

[Devices subject to this condition : C54, C56]

C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 560 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:

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

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

This condition shall only apply during hot standby, and when the tail gas vent containing H2S of less than 10 ppmv.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 402, 5-7-1976]

[Devices subject to this condition : C54, C56]

D. Monitoring/Testing Requirements

D12.1 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 : D134]

D12.2 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.

[**RULE 1118, 11-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 5-16-2007**]

[Devices subject to this condition : C96, C183]

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:

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

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

The test shall be conducted when the incinerator is in operation (not standby).

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

[Devices subject to this condition : C54, C56]

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

NOX concentration in ppmv

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

The CEMS shall be installed and operated in accordance with an approved AQMD Rule 2012 CEMS plan application

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

[Devices subject to this condition : C54]

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:

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

[Devices subject to this condition : D134]

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the total reduced sulfur and O2 concentration at the outlet in accordance with 40CFR 60.105(a).

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

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

[Devices subject to this condition : D51, D52]

D232.2 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the H2S concentration at the outlet.

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

The emission monitoring device shall include audio and visual alarms.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 9-12-2012**]

[Devices subject to this condition : D51, D52]

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:

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

[**RULE 1140, 2-1-1980;** RULE 1140, 8-2-1985; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E143]

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 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 : C96, C183]

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

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

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

4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE
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 : E143]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO concentration 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 : C54, C56, D76, D77]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO concentration 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 : D51, D52]

E. Equipment Operation/Construction Requirements

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

E57.1 The operator shall vent this equipment to an incinerator, C54 or C56, whenever the vent gas exceeds 10 ppm H2S on a dry basis.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 3004(a)(4) -Periodic Monitoring, 12-12-1997; RULE 468, 10-8-1976**]

[Devices subject to this condition : D51, D52]

E71.1 The operator shall only operate this equipment during the period the flare C96 is shutdown and being repaired or maintained.

[RULE 1303, 4-20-2001]

[Devices subject to this condition : C183]

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 40 CFR60, Subpart A.

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

[Devices subject to this condition : C96, C183]

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:

All sour gases under normal operating conditions shall be directed to the vapor recovery & fuel gas treating system (Process 8, System 2).

This equipment shall not be operated unless the vapor recovery equipment 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(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 : D50, D60, D68, D69, D70, D71, D73, D74]

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

All vent gases shall be directed to the sulfur vapor collection system (Process 8, System 1).

This equipment shall not be operated unless sulfur vapor collection 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(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 : D4, D57, D62, D63, D64, D65, D66]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

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

[**RULE 1173, 2-6-2009**]

[Devices subject to this condition : D135, D136, D137, D138, D184, D185, D186, D187, D188, D189, D190, D191, D192, D193, D194, D195, D196]

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E141]

H23.5 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 : E181]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

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

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

[Devices subject to this condition : E144, E182]

H23.8 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 : C96, C183]

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Non-Methane Hydrocarbons	40CFR60, SUBPART	IIII
NOX	40CFR60, SUBPART	IIII
CO	40CFR60, SUBPART	IIII
PM	40CFR60, SUBPART	IIII
HAPs	40CFR63, SUBPART	ZZZZ

[**40CFR 60 Subpart IIII, 1-30-2013; 40CFR 63 Subpart ZZZZ, 1-30-2013**]

[Devices subject to this condition : D199]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 11-4-2011**]

[Devices subject to this condition : D60, D67, D68, D69, D70, D71, D72, D73, D74, D75]

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

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

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

[**RULE 1113, 7-13-2007;** RULE 1113, 9-6-2013; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E145]

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

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

The date, time and description of any maintenance or repairs resulting from the inspection

The name of the person performing the inspection and/or maintenance of the filter media

The date, time and results of the inspection

[**RULE 1140, 2-1-1980;** RULE 1140, 8-2-1985; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E143]

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

The shutdown date of flare C96 for repair and/or maintenance.

The startup date of flare C96 after completion of repair and/or maintenance.

The specific date and reason for operation of portable flare C183.

The cumulative day(s) of operation of portable flare C183.

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

[Devices subject to this condition : C183]

K67.6 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:

The operator shall keep a log of engine operations documenting the total time the engine is operated each month and the specific reason for operation as:

A. Emergency use

B. Maintenance and testing

C. Other (be specific)

In addition, each time the engine is manually started, the log shall include the date of engine operation, the specific reason for operation and the totalizing hour meter readings (in hours and tenths of hours) at the beginning and the end of operation. 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

Engine operation log(s) shall be retained on site for a minimum of five years and shall be made available to District personnel upon request

[**RULE 1304(c)-Offset Exemption, 6-14-1996;** RULE 1470, 5-4-2012; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D134]

K171.1 The operator shall provide to the District the following items:

An amendment to the refinery's existing Flare Monitoring and Recording Plan to include this new flare in accordance with Rule 1118(c)

This report shall be submitted to the District no later than 90 days after initial start up

[**RULE 1118, 11-4-2005**]

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

[Devices subject to this condition : C183]

L. Expiration Date

L96.1 The operator shall not operate this equipment beyond:

Two (2) weeks following the shutdown of flare C96 while being repaired or maintained and only emergency vent gases shall be vented to the portable flare C183

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

[Devices subject to this condition : C183]

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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 AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

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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 AQMD 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 AQMD rules or permit conditions: [204]

   a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]

   b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]

   c. For a large 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 AQMD 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 AQMD 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 AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]

a. Brief description of the equipment tested.

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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 AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]

a. The results of the source test.

b. Brief description of the equipment tested.

c. Operating conditions under which test will be performed.

d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).

e. Field and laboratory data forms, strip charts and analyses.

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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 AQMD 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, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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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 AQMD 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 AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]

4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
   a. compliance with the annual Allocation;
   b. excess emissions;
   c. the amount of penalties; and
   d. fees.

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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 AQMD-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 AQMD 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 AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2011. [2011]

4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2011, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
   a. compliance with the annual Allocation;
   b. excess emissions;
   c. the amount of penalties; and
   d. fees.

5. Follow missing data procedures as specified in Rule 2011 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
   a. compliance with the annual Allocation;

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

II. Reporting Requirements for all RECLAIM Sources

1. The 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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1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major 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 96 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. [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 AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly 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:

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

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 AQMD central station for each major SOx source, the total daily mass emissions of SOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 96 hours extension to submit the report. [2011]

2. Calculate SOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2011 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2011]

3. Submit an electronic report within 15 days following the end of each month totaling SOX emissions from all major SOx sources during the month. [2011]

4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2011]

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

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: AIR POLLUTION CONTROL					
System 2: VAPOR RECOVERY & FUEL GAS TREATING SYSTEM					S15.4
VESSEL, FLASH, V-1271, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 553830 Permit to Construct Issued: 11/19/13	D89				
POT, WATER SEAL, V-1272, HEIGHT: 5 FT ; DIAMETER: 1 FT 6 IN A/N: 553830 Permit to Construct Issued: 11/19/13	D91				
VESSEL, FLASH, V-1292, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 553830 Permit to Construct Issued: 11/19/13	D90				
POT, WATER SEAL, V-1293, HEIGHT: 5 FT ; DIAMETER: 1 FT 6 IN A/N: 553830 Permit to Construct Issued: 11/19/13	D92				
COMPRESSOR, C-115, RECIPROCATING TYPE, 50-HP A/N: 553830 Permit to Construct Issued: 11/19/13	D95				
COMPRESSOR, C-196, RECIPROCATING TYPE, 50-HP, SPARE A/N: 553830 Permit to Construct Issued: 11/19/13	D198				E71.2, H23.9, K171.2
ABSORBER, V-3585, HEIGHT: 18 FT ; DIAMETER: 1 FT 3 IN A/N: 553830 Permit to Construct Issued: 11/19/13	D97				

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

** 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 8: AIR POLLUTION CONTROL					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 553830 Permit to Construct Issued: 11/19/13	D138				H23.1

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

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

FACILITY PERMIT TO OPERATE
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

Device Index For Section H			
Device ID	**Section H Page No.**	**Process**	**System**
D89	1	8	2
D90	1	8	2
D91	1	8	2
D92	1	8	2
D95	1	8	2
D97	1	8	2
D138	2	8	2
D198	1	8	2

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]

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

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

40CFR61, Subpart FF

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

F52.2 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**]

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

CONSENT DECREE CIVIL NO. H-01-0978

[**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.

SYSTEM CONDITIONS

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

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

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:

Total Reduced Sulfur	40CFR60, SUBPART	J
H2S	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.104(a)(2)) during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit (40CFR60.104(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 A, 4-4-2014; 40CFR 60 Subpart J, 9-12-2012**]

[Systems subject to this condition : Process 3, System 1 , 2 , 3 , 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	District Rule	463

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

[Systems subject to this condition : Process 5, 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
SOX	40CFR60, SUBPART	J

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:

Pursuant to 40CFR60.8(c) and Consent Decree Civil Action H-01-0978, emissions in excess of the level of the applicable emission limit (40CFR104(a)(1) and 40CFR60.104(a)(2)) during periods of malfunction shall not be considered a violation of the applicable emission limit (40CFR60.104(a)(1) and 40CFR60.104(a)(2)) unless otherwise specified in the applicable standard.

When this equipment is subject to both standards, 40CFR60.104(a)(1) and 40CFR60.104(a)(2), this equipment shall comply with 40CFR60.104(a)(1), the more stringent of the two limits, unless compliance can be determined independently for each requirement.

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

[**40CFR 60 Subpart A, 4-4-2014; 40CFR 60 Subpart J, 9-12-2012; CONSENT DECREE, 3-21-2001**]

[Systems subject to this condition : Process 3, System 5 , 6 , 7]

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

Contaminant	Rule	Rule/Subpart
Total Reduced Sulfur	40CFR63, SUBPART	UUU

Pursuant to 40CFR63.7(e), emissions in excess of the level of the relevant standard during periods of startup, shutdown, and malfunction shall not be considered a violation of the relevant standard unless otherwise specified in the relevant standard or a determination of noncompliance is made under Section 63.6(e).

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

[**40CFR 63 Subpart A, 3-27-2014; 40CFR 63 Subpart UUU, 4-20-2006**]

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:

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

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

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

This process/system shall not be operated unless the tail 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(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 3, System 1 , 2 , 3 , 4]

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

All vent gases under emergency, startup, and shutdown shall be directed to the incinerator.

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

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

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

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

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

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

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:

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

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

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

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

This process/system shall not be operated unless the 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(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

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

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

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

[**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 8, System 1]

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:

Sulfur Recovery - Claus Units (Process: 3, System: 1, 2, 3 & 4)

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:

[**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 3, System 5 , 6]

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:

Gas-Water Treatment/Stripping (Process: 1, System: 1, 2, 3, 4 & 5)

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

Vapor Recovery/Fuel Gas Treating System (Process: 8, System: 2)

Fixed Roof Storage Tanks (Process: 5, System: 1)

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

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

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

Sulfur Recovery - Claus Units (Process: 3, System: 1, 2, 3 & 4)

Tail Gas Treating Units (Process: 3, System: 5 & 6)

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

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

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:

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:

Sulfur Vapor Collection System (Process: 8, System: 1)

Gas-Water Treatment/Stripping (Process: 1, System: 1, 2, 3, 4 & 5)

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

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

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

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:

Sour Water Sump (Process: 1, System: 1, 2)

Sulfur Pits (Process: 3, System: 1, 2, 3, 4)

Sulfur Storage (Process: 3, System: 8)

Liquid Sulfur Tank Truck Loading (Process: 4, System: 1)

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

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

DEVICE CONDITIONS

E. Equipment Operation/Construction Requirements

E71.2 The operator shall only operate this equipment when the primary compressor C-115 is taken out of service, except for 30 minutes of simultaneous operation of both compressors while the primary compressor is being taken out of service or put back online.

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

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:

[Devices subject to this condition : D198]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[**RULE 1173, 2-6-2009**]

[Devices subject to this condition : D138]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	GGGa

[**40CFR 60 Subpart GGGa, 6-2-2008**]

[Devices subject to this condition : D198]

K. Record Keeping/Reporting

K171.2 The operator shall provide to the District the following items:

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:

Final drawings and/or specifications of the equipment installed/constructed shall be submitted to the SCAQMD within 60 days after completion.

A recalculation of the fugitive emissions based on actual components installed and removed from service shall be submitted to the SCAQMD within 60 days after completion.

A listing of all new valves and flanges categorized by type, and including tag no., size, application and service shall be submitted to the SCAQMD within 60 days after completion.

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

[Devices subject to this condition : D198]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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
474116	63SubpartUUU
474258	1118

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION J: AIR TOXICS
[40CFR 63 Subpart UUU, #4 04-20-2006]

HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES: SULFUR RECOVERY UNITS

1. The operator shall comply with the applicable general requirements of Sections 63.1 through 63.15 of Subpart A and Section 63.1570 of Subpart UUU.

2. The operator shall comply with the applicable notification, reporting, and recordkeeping requirements of Sections 63.1574, 63.1575, and 63.1576, respectively.

3. The operator shall prepare an operation, maintenance, and monitoring plan for each affected source as specified in Section 63.1574(f).

4. The operator shall submit all required reports, notifications, plans, submittals and other communications required by 40CFR63 Subpart A or Subpart UUU to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX, where applicable (see addresses in Sections E and K of this permit).

5. The operator shall submit to AQMD all plan applications (i.e. operation, maintenance, and monitoring plans) and applications for permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart UUU, as a Title V permit revision for the approval by the Executive Officer.

6. The operator shall comply with the following standard(s) for SRUs:

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

Control Type	Emission Limitation (0% excess air)	Operating Limit
Oxidation or reduction control system followed by incineration	SO2 emissions must not exceed 250 ppmvd	n/a
Reduction control system without incineration	Reduced sulfur compounds (calculated as SO2) must not exceed 300 ppmvd	n/a

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

FACILITY PERMIT TO OPERATE
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SECTION J: AIR TOXICS
[40CFR 63 Subpart UUU, #4 04-20-2006]

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

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

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

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

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

Source Type	HAP Type	Initial Compliance	Continuous Compliance
SRU	HAP	Compliance with all applicable requirements of § 63.1568(b) including installation of a continuous SO_2 monitoring system and completion of a performance test.	Compliance with all applicable requirements of § 63.1568(c) including demonstration of compliance with the SO_2 emission limit.
Bypass Lines	HAP	Compliance with all applicable requirements of § 63.1569(b) including demonstration of initial compliance with the applicable work practice standard and submission of an operation, maintenance, and monitoring plan.	Compliance with all applicable requirements of § 63.1569(c) including demonstration of continuous compliance with the applicable work practice standard and with the procedures in the operation, maintenance, and monitoring plan.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]

2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

   (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]

4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

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

Payment of Fees

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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)]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC

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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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 1107	1-6-2006	Federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1118	11-4-2005	Federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1136	6-14-1996	Federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non 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 1178	4-7-2006	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303	5-10-1996	Federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1304(c)-Offset Exemption	6-14-1996	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 2001	5-6-2005	Federally enforceable
RULE 2004	4-6-2007	Federally enforceable
RULE 2004	5-11-2001	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 3002	11-14-1997	Federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-6-2014	Non federally enforceable
RULE 304	6-6-2014	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 463	11-4-2011	Federally enforceable
RULE 468	10-8-1976	Federally enforceable
RULE 476	10-8-1976	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart A	4-4-2014	Federally enforceable
40CFR 60 Subpart A	5-16-2007	Federally enforceable
40CFR 60 Subpart GGGa	6-2-2008	Federally enforceable
40CFR 60 Subpart IIII	1-30-2013	Federally enforceable
40CFR 60 Subpart J	6-24-2008	Federally enforceable
40CFR 60 Subpart J	9-12-2012	Federally enforceable
40CFR 61 Subpart A	2-27-2014	Federally enforceable
40CFR 61 Subpart FF	12-4-2003	Federally enforceable
40CFR 63 Subpart A	3-27-2014	Federally enforceable
40CFR 63 Subpart UUU	4-20-2006	Federally enforceable
40CFR 63 Subpart UUU, #4	4-20-2006	Federally enforceable
40CFR 63 Subpart ZZZZ	1-30-2013	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

1. MAINTENANCE EQUIPMENT, GASOLINE

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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

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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
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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.

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

(1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.

(2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]
TABLE OF STANDARDS
VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

FACILITY PERMIT TO OPERATE
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APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
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.

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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			

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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 1136 06-14-1996]

Except as otherwise provided in Rule 1136

(a) The operator shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below:

(1)

VOC LIMITS
Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING	Current Limit I	Current Limit II	On and After 7/1/2005
Clear Sealers	550 (4.6) [1.39]	680 (5.7) [3.36]	275 (2.3) [0.36]
Clear Topcoat	550 (4.6) [1.37]	275 (2.3) [0.35]	275 (2.3) [0.35]
Pigmented Primers, Sealers & Undercoats	550 (4.6) [1.06]	600 (5.0) [1.08]	275 (2.3) [0.21]
Pigmented Topcoats	550 (4.6) [1.10]	275 (2.3) [0.25]	275 (2.3) [0.25]

The operator shall use coatings on a wood product that comply with either all VOC limits in column I or all VOC limits in column II. The operator that applies a primer, sealer or undercoat, but not a topcoat, to a wood product, shall be subject to column I for that wood product.

(2) Notwithstanding the requirements of clause (a)(1), an operator that applies a topcoat and a primer, sealer or undercoat to a shutter may, until July 1, 2005, choose to comply with the VOC limits specified below for that shutter:

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TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1136 06-14-1996]

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING	
Clear Sealers	275 (2.3) [0.36]
Clear Topcoat	680 (5.7) [2.99]
Pigmented Primers, Sealers & Undercoats	275 (2.3) [0.33]
Pigmented Topcoats	600 (5.0) [1.38]

(3)

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING	Current Limit	On and After 7/1/2005
Barrier Coat - Plastic Components	760 (6.3) [3.9]	275 (2.3) [0.28]
Composite Wood Edge Filler	550 (4.6) [1.15]	275 (2.3) [0.31]
Extreme Performance Coatings	420 (3.5) [0.51]	275 (2.3) [0.33]
Fillers	500 (4.2) [0.66]	275 (2.3) [0.18]
High-Solid Stains	550 (4.6) [1.23]	350 (2.9) [0.42]
Inks	500 (4.2) [0.96]	500 (4.2) [0.96]
Mold-Seal Coatings	750 (6.3) [4.2]	750 (6.3) [4.2]
Multi-Colored Coatings	685 (5.7) [2.6]	275 (2.3) [0.33]

VOC LIMITS

Grams Per Liter (lb/gal) of Material

COATING	Current Limit	On and After 7/1/2005
Low-Solids Barrier Coat - Plastic Components	760 (6.3)	120 (1.0)
Low-Solid Stains, Toners, and Washcoats	480 (4.0)	120 (1.0)

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1136 06-14-1996]

Any coating subject to this rule that meets any of the three VOC limit formats (grams per liter, lb/gal, or lbs VOC/lb of solids) is in compliance with this subparagraph.

(4) The VOC limit for japan coatings is 700 grams per liter of coatings, less water and exempt compounds, as applied.

(b) A person shall not use a stripper on wood products unless:

(1) it contains less than 350 grams of VOC per liter of material; or

(2) the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20°C (68°F).

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1140 02-01-1980]

(1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

(B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).

(2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

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

(B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1140 08-02-1985]

(1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

(B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).

(2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

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

(B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

FACILITY PERMIT TO OPERATE
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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

FACILITY PERMIT TO OPERATE
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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
TESORO REFINING AND MARKETING CO. LLC

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).

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

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)		

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

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APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

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

FACILITY PERMIT TO OPERATE
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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

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO. LLC

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