



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

May 30, 2014

Ms. Jody Hanson
Manager, Area Operations
Tesoro Refining & Marketing Company LLC, Calciner Operations
P. O. Box 1028
Wilmington, CA 90748-1028

**Subject: Tesoro Ref. & Mktg. Co., LLC (ID No. 174591)
Title V Facility Permit Renewal**

Dear Ms. Hanson:

Enclosed please find the revisions for all sections of your Title V Facility Permit. The revised sections reflect the approval of an Administrative Permit Revision of the Title V permit for a change of operator under application No. 552386, and CAM Plan under application No. 556731, and renewal of the Title V Facility Permit under application No. 556730. Unless specified below all sections were revised to reflect the new facility and ID number as indicated below:

	Facility Name	Facility ID
Previous	BP West Coast Products LLC	131249
New	Tesoro Ref. & Mkg. Co. LLC – Calciner	174591

Please review the attached pages and then insert the enclosed sections in your Title V Facility Permit, and discard the earlier versions. If you have any questions concerning changes to your permit, or if you determine any administrative error, please contact Ken Matsuda at (909) 396-2656, within 30 days of the receipt of your permit.

Sincerely,

Andrew Lee, P.E.
Senior Manager
Energy/ Public Services & Waste
Management/Terminals Permitting

AYL:CDT:KKM

cc: (w/enclosures)
Geraldo Rios, EPA Region IX
Compliance
Central File
TV File A/N 556730



FACILITY PERMIT TO OPERATE

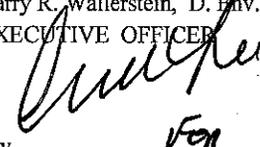
**TESORO REF & MKTG CO LLC, CALCINER
1175 CARRACK AVE
WILMINGTON, CA 90748**

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 REF & MKTG CO LLC, CALCINER**

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**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC,CALCINER**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: TESORO REF & MKTG CO LLC,CALCINER

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1175 CARRACK AVE
WILMINGTON, CA 90748

MAILING ADDRESS: PO BOX 1028
WILMINGTON, CA 90748

RESPONSIBLE OFFICIAL: JODY HANSON

TITLE: MANAGER, AREA OPERATIONS

TELEPHONE NUMBER: (562) 499-3201

CONTACT PERSON: ADRIAN ROSU

TITLE: ENVIRONMENTAL ENGINEER

TELEPHONE NUMBER: (562) 499-3210

TITLE V PERMIT ISSUED: May 30, 2014

TITLE V PERMIT EXPIRATION DATE: May 29, 2019

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



**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC, CALCINER**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 05/30/2014 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2012 6/2013	Coastal	0	18605	0
1/2013 12/2013	Coastal	292349	13600	0
1/2014 12/2014	Coastal	292349	267419	0
1/2015 12/2015	Coastal	292349	267419	0
1/2016 12/2016	Coastal	292349	267419	0
1/2017 12/2017	Coastal	292349	267419	0
1/2018 12/2018	Coastal	292349	267419	0
1/2019 12/2019	Coastal	292349	267419	0
1/2020 12/2020	Coastal	292349	267419	0
1/2021 12/2021	Coastal	292349	267419	0
1/2022 12/2022	Coastal	292349	267419	0
1/2023 12/2023	Coastal	292349	267419	0
1/2024 12/2024	Coastal	292349	267419	0
1/2025 12/2025	Coastal	292349	267419	0
1/2026 12/2026	Coastal	292349	267419	0
1/2027 12/2027	Coastal	292349	267419	0
1/2028 12/2028	Coastal	292349	267419	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 (h)(2) of Rule 2002.



**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC, CALCINER**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NO _x RTC Initially Allocated	NO _x RTC ¹ Holding as of 05/30/2014 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
1/2029 12/2029	Coastal	292349	267419	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 REF & MKTG CO LLC,CALCINER**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC ¹ Holding as of 05/30/2014 (pounds) –	Non-Tradable ² Credits (NTCs) (pounds)
7/2012 6/2013	Coastal	0	0	
1/2013 12/2013	Coastal	610401	11085	
1/2014 12/2014	Coastal	610401	391633	
1/2015 12/2015	Coastal	610401	391633	
1/2016 12/2016	Coastal	610401	391633	
1/2017 12/2017	Coastal	610401	336941	
1/2018 12/2018	Coastal	610401	336941	
1/2019 12/2019	Coastal	610401	298669	
1/2020 12/2020	Coastal	610401	298669	
1/2021 12/2021	Coastal	610401	298669	
1/2022 12/2022	Coastal	610401	298669	
1/2023 12/2023	Coastal	610401	298669	
1/2024 12/2024	Coastal	610401	298669	
1/2025 12/2025	Coastal	610401	298669	
1/2026 12/2026	Coastal	610401	298669	
1/2027 12/2027	Coastal	610401	298669	
1/2028 12/2028	Coastal	610401	298669	

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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TESORO REF & MKTG CO LLC,CALCINER**

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 End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC ¹ Holding as of 05/30/2014 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
1/2029 12/2029	Coastal	610401	298669	

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
 TESORO REF & MKTG CO LLC, CALCINER**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Coastal	553793	0



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Year		Zone	SOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Coastal	935525	0



FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC, CALCINER

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
System 1: GREEN COKE RECEIVING/UNLOADING AND STORAGE					S7.1, S20.1
BULK MATERIAL UNLOADING STATION, HOP0001, PETROLEUM COKE, TRUCK OR RAILCAR UNLOADING, WITH A RECEIVING HOPPER A/N: 552327	D1			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, C1.9, D323.2, E125.1
CONVEYOR, C0000, DISCHARGING RAW COKE A/N: 552327	D2			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, BELT, C0001, GREEN COKE RECEIVING AND WEIGHING A/N: 552327	D3			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, BELT, C0002, GREEN COKE RECEIVING AND WEIGHING A/N: 552327	D4			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, C0003, TRANSFERRING RAW COKE A/N: 552327	D5			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, C0004, DISTRIBUTING RAW COKE A/N: 552327	D6			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
STORAGE BUILDING, BLD0002, PETROLEUM GREEN COKE, WIDTH: 163 FT ; HEIGHT: 78 FT 10 IN; LENGTH: 321 FT A/N: 552327	D7			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
MECHANICAL SHAKER, RAILCAR, PETROLEUM GREEN COKE A/N: 552327	D106				
System 2: LIME RECEIVING/UNLOADING AND STORAGE					S20.1

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

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



FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
STORAGE SILO, HOP0006, LIME, 290 SQ.FT TOTAL FILTER AREA, WITH FABRIC FILTER, HEIGHT: 51 FT 7 IN; DIAMETER: 12 FT A/N: 552325	D8			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	C1.2, D322.1, D381.1, E102.1, E184.1, K67.2
System 3: PETROLEUM COKE CALCINING AND APC					S7.2, S20.1
CONVEYOR, XXR0001, SCRAPING CONVEYOR, (RAW COKE RECLAIMER) A/N: 552330	D12			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, C0006, RAW COKE RECLAIMER A/N: 552330	D13			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0007, TRANSFERRING RAW COKE A/N: 552330	D14			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0008, TRANSFERRING AND DISTRIBUTING RAW COKE A/N: 552330	D15			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BIN, SURGE, HOP0002, RAW COKE, HEIGHT: 33 FT ; DIAMETER: 22 FT 4 IN A/N: 552330	D16			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, WF0009A&B, WEIGHING BELT CONVEYOR, RAW COKE, 2 TOTAL A/N: 552330	D17			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BIN, SURGE, HOP0003, RAW COKE, HEIGHT: 39 FT ; DIAMETER: 22 FT 4 IN A/N: 552330	D18			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

- | | |
|--|---|
| * (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 REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
CONVEYOR, BELT, C0010A&B, WEIGHED RAW COKE KILN FEED, WITH A MAGNETIC SEPARATOR, 2 TOTAL A/N: 552330	D91			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
KILN, KLN0001, ROTARY, KENNEDY VAN SAUN, DIESEL FUEL, NATURAL GAS, WITH OXYGEN INJECTION SYSTEM AND A DUST RETURN LINE, 120 MMBTU/HR A/N: 552323	D20	C67	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5B) [RULE 409, 8-7-1981]; SOX: 2.55 LBS/TON MATERIAL (2) [RULE 1703 - PSD Analysis, 10-7-1988]	A63.3, C1.8, D28.1, D323.1, E73.1, K40.1
COOLER, COL0001, CALCINED COKE, ROTARY A/N: 552323	D21	C66		PM: (9) [RULE 405, 2-7-1986]	D323.2
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, ENG0002, DIESEL FUEL, AUXILIARY COOLER DRIVE, 9.5 HP A/N: 552323	D79		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	PM: (9) [RULE 404, 2-7-1986]	
DUST COLLECTOR, MECHANICAL, PRIMARY DUST COLLECTOR, DC0001, WHEELABRATOR, MODEL 106A QWHS, ORGAN PIPE DESIGN A/N: 552317	C66	D21 C67			D323.1, E102.1
AFTERBURNER, PYROSCRUBBER, PS0001, DIESEL FUEL, NATURAL GAS, WITH A PYROSCRUBBER BUSTLE AIR FAN, 130 MMBTU/HR A/N: 552333	C67	D20 C66 S72 D104	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5B) [RULE 409, 8-7-1981]	C8.1, D323.1, D328.1, E193.5

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



FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

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 I. CALCINED PETROLEUM COKE PRODUCTION					P13.1
SCRUBBER, LIME FOR SCRUBBING, SPRAY CHAMBER REACTOR, DRY0001, SO2 ABSORBING A/N: 552360	C68	C69 D104			D323.1
BOILER, WASTE HEAT RECOVERY BOILER A/N: 552360	D104	C67 C68 C102			
BAGHOUSE, BH0007, ECOLAIRE, MODEL 12-8400 SERIES "83", WITH A 1500 H.P. EXHAUST BLOWER, WITH BAGHOUSE LEAK DETECTION SYSTEM, 107780 SQ.FT. A/N: 552362	C69	C68 S71		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D28.2, D322.1, D323.1, D381.3, E71.1, E102.1, E193.4, E193.6, H23.6, K40.2, K67.2
STACK, STK0001, PROCESS STACK A/N: 552362	S71	C69			D82.1
STACK, STK0002, EMERGENCY A/N: 552333	S72	C67			
CONVEYOR, SCREW, SC0006, WEIGH FEEDER WITH CONVEYOR, LIME SLAKING AND INJECTION SYSTEM A/N: 552324	D9			PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2
LIME SLAKER, LS0001, LIME, LIME SLAKING AND INJECTION SYSTEM A/N: 552324	D10	C11		PM: (9) [RULE 405, 2-7-1986]	C1.6, D323.2
COMPARTMENT, WATER SPRAY/ASPIRATOR A/N: 552324	C11	D10		PM: (9) [RULE 404, 2-7-1986]	

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CALCINED PETROLEUM COKE PRODUCTION					P13.1
UREA INJECTION SYSTEM, WITH INJECTION NOZZLES, WITH PRESSURE REGULATORS AND COMMON FEED MANIFOLD WITH A/N: 552314 TANK, UREA FEED PUMP, CHEMICAL METERING PUMP, CHEMICAL METERING PUMP, WATER BOOST PUMP, WATER BOOST	C102	D104		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	A305.1, D90.1, K67.3
System 4: PRODUCT HANDLING, STORAGE AND LOADING					S7.1
CONVEYOR, BELT, C00011, COOLER DISCHARGING, CALCINED COKE A/N: 552336	D22	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0012, DEDUST MIXER BYPASS, CALCINED COKE A/N: 552336	D23	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, C0013, COOLER BATCH DUMPING, CALCINED COKE A/N: 552336	D24	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, SCREW, SC0012, MIXING, DEDUST CALCINED COKE A/N: 552336	D25	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, SCREW, SC0013, MIXING, DEDUST CALCINED COKE A/N: 552336	D26	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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

** 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 REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
CONVEYOR, BELT, C0014, TRANSFERRING AND CHARGING, CALCINED COKE A/N: 552336	D27	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0016, TRANSFERRING AND CHARGING, CALCINED COKE A/N: 552333	D28	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0017, TRANSFERRING AND DISCHARGING, CALCINED COKE A/N: 552336	D29	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018A, SILO DISCHARGING, CALCINED COKE A/N: 552336	D30	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018B, SILO DISCHARGING, CALCINED COKE A/N: 552336	D31	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018C, SILO DISCHARGING, CALCINED COKE A/N: 552336	D32	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018D, SILO DISCHARGING, CALCINED COKE A/N: 552336	D33	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
STORAGE SILO, SIL0001, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 552342	D34	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
STORAGE SILO, SIL0002, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 552345	D35	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor | (2) (2A) (2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (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 REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
STORAGE SILO, SIL0003, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 552348	D36	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
STORAGE SILO, SIL0004, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 552350	D37	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BUCKET ELEVATOR, BE0002, RECLAIMED CALCINED COKE A/N: 552353	D42	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0021, CALCINED COKE RECLAIMER A/N: 552353	D43	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0022, CALCINED COKE RECLAIMER A/N: 552353	D44	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0023, CALCINED COKE RECLAIMER A/N: 552353	D45	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0024, CALCINED COKE RECLAIMER A/N: 552353	D74	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0025, TRANSFERRING CALCINED COKE A/N: 552353	D46	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0026, TRANSFERRING CALCINED COKE WITH A DISTRIBUTOR A/N: 552353	D47	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0027, TRANSFERRING CALCINED COKE A/N: 552353	D50	C54 C77		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor | (2) (2A) (2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (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 REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
BIN, SURGE, HOP0005, TRUCK LOADOUT, 19774 CU.FT.; WIDTH: 28 FT 6 IN; HEIGHT: 27 FT 1 IN; LENGTH: 40 FT 6 IN A/N: 552353	D55	C77		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BULK MATERIAL LOAD/UNLOAD STATION, SP0003, SP0004, SP0005 & SP0006, CALCINED COKE, TRUCK LOADING STATION, 4 TOTAL A/N: 552353	D56	C77		PM: (9) [RULE 405, 2-7-1986]	A63.2, C1.5, D323.2, E125.1
BIN, VIBRATING DISCHARGE, CALCINED COKE A/N: 552320	D110			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
FEEDER, VIBRATING, CALCINED COKE A/N: 552320	D111			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BIN, SURGE, HOP0004, RAIL CAR LOADOUT, 13718 CU.FT.; WIDTH: 19 FT 4 IN; HEIGHT: 24 FT 3 IN; LENGTH: 40 FT A/N: 552320	D51	C54		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BULK MATERIAL LOAD/UNLOAD STATION, SP0001&SP0002, CALCINED COKE, RAIL CAR LOADING STATION, 2 TOTAL A/N: 552320	D52	C54		PM: (9) [RULE 405, 2-7-1986]	A63.2, C1.5, D323.2
STORAGE SILO, NO. 5, CALCINED COKE EMERGENCY DUMP AREA,, WITH ENCLOSURE, PETROLEUM COKE, EQUIPPED WITH A WATER SPRAY SYSTEM, WIDTH: 25 FT ; HEIGHT: 16 FT 3 IN; LENGTH: 18 FT A/N: 552356	D114			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2

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|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor | (2) (2A) (2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (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 REF & MKTG CO LLC, CALCINER

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- CALCINED PETROLEUM COKE PRODUCTION					P13.1
HOPPER, XXC0001, PORTABLE, CALCINED COKE CLEANUP, PETROLEUM COKE, EQUIPPED WITH MANUALLY ACTIVATED WATER SPRINKLER SYSTEM A/N: 552322	D112			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2, E193.1
CONVEYOR, XXC0001, CALCINED COKE CLEANUP, PETROLEUM COKE A/N: 552322	D113			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CHUTE, MAINTENANCE CHUTE, CALCINED COKE EMERGENCY DUMP, PETROLEUM COKE, WITH A MANUALLY ACTIVATED WATER SPRINKLER SYSTEM A/N: 552356	D115			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2, E193.2, E193.3
System 5- DUST COLLECTION					
BAGHOUSE, BH0002, WHEELABRATOR, MODEL 108, WITH A 100 H.P. BLOWER, 6100 SQ.FT. A/N: 552305	C70	D22 D23 D24 D25 D26 D27 D28 D29 D42		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, H23.6, K67.2
CONVEYOR, SCREW, SC0003, CALCINED COKE DUST A/N: 552305	D48			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BUCKET ELEVATOR, BE0001, CALCINED COKE DUST A/N: 552308	D49	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BAGHOUSE, BH0009, MIKROPUL, CONSISTING OF TWO MODULES, EACH 1357 SQ.FT. FILTER AREA A/N: 552307	C73	D30 D31 D32 D33 D34 D35 D36 D37		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, H23.6, K67.2

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

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



FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
BAGHOUSE, BH0003, ECOLAIRE, MODEL 750-9, WITH A 125 H.P. BLOWER, 6750 SQ.FT. A/N: 552308	C76	D43 D44 D45 D46 D47 D49 D74		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, H23.6, K67.2
CONVEYOR, SCREW, SC0002, RECOVERED CALCINED COKE A/N: 552308	D38			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BAGHOUSE, BH0005, ECOLAIRE, MODEL 625-4, WITH A 50 H.P. BLOWER, 2500 SQ.FT. A/N: 552304	C54	D50 D51 D52		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, H23.6, K67.2
BAGHOUSE, BH0004, ECOLAIRE, MODEL 900-4, WITH A 60 H.P. BLOWER, 3600 SQ.FT. A/N: 552313	C77	D50 D55 D56		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, H23.6, K67.2
CONVEYOR, PNEUMATIC, PU0067, GYPSUM A/N: 552303	D60			PM: (9) [RULE 405, 2-7-1986]	D323.2
VESSEL, BH0008, RECEIVER SEPARATOR, FLECKLEEN, MODEL 84 CTBC, WITH FABRIC FILTER, 720 SQ.FT. A/N: 552303	D61	D62		PM: (9) [RULE 405, 2-7-1986]	D322.1, D381.2, E102.1, K67.2
STORAGE SILO, HOP0007, GYPSUM, BIN VENT: FLECKLEEN, 281 SQ.FT. FILTER AREA, WITH FABRIC FILTER, HEIGHT: 51 FT 7 IN; DIAMETER: 21 FT 7 IN A/N: 552303	D62	D61 D63 D64 D65		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.1, D381.1, E102.1, K67.2

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

** 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 REF & MKTG CO LLC, CALCINER

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: CALCINED PETROLEUM COKE PRODUCTION					P13.1
BULK MATERIAL LOAD/UNLOAD STATION, DSH0025, GYPSUM, TRUCK LOADING STATION WITH A TELESCOPING CHUTE A/N: 552319	D63	D62		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2
BULK MATERIAL LOAD/UNLOAD STATION, AS0001, GYPSUM, TRUCK LOADING STATION WITH AN AIRSLIDE CONVEYOR A/N: 552319	D64	D62		PM: (9) [RULE 405, 2-7-1986]	A103.1, C1.4, D323.2
MIXER, PB0001, GYPSUM A/N: 552319	D65	D62		PM: (9) [RULE 405, 2-7-1986]	D323.2
Process 2: INTERNAL COMBUSTION ENGINE					
System 1: EMERGENCY INTERNAL COMBUSTION ENGINE					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, ENG0001, DIESEL FUEL, 68 HP A/N: 552316	D78		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	HAP: (10) [40CFR 63SubpartZZZZ, 3-9-2011]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 31.2 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	C1.7, D12.2, D135.1, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, ENG003, DIESEL FUEL, CUMMINS, MODEL NT-855-F2, 380 HP A/N: 552309	D80		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	HAP: (10) [40CFR 63SubpartZZZZ, 3-9-2011]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 31.2 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	C1.7, D12.2, D135.1, H23.5, K67.5
Process 3: STORAGE TANK					
System 1: FIXED ROOF					

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

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FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

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: STORAGE TANK					
STORAGE TANK, FIXED ROOF, DIESEL FUEL, 20000 GALS; DIAMETER: 15 FT 6 IN; HEIGHT: 15 FT A/N: 552310	D81				
STORAGE TANK, FIXED ROOF, DEDUST OIL, 28000 GALS; DIAMETER: 18 FT ; HEIGHT: 15 FT A/N: 552315	D82				
Process 4: RULE 219 Exempt Equipment Subject to Source-Specific Requirements					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E94			VOC: (9) [RULE 1113, 7-13-2007; RULE 1113, 9-6-2013; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	K67.1
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E95			VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.3
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E96				H23.2
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E105				H23.4

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|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor | (2) (2A) (2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (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 REF & MKTG CO LLC,CALCINER**

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 REF & MKTG CO LLC, CALCINER**

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D24	5	1	4
D25	5	1	4
D26	5	1	4
D27	6	1	4
D28	6	1	4
D29	6	1	4
D30	6	1	4
D31	6	1	4
D32	6	1	4
D33	6	1	4
D34	6	1	4
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**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC, CALCINER**

SECTION D: DEVICE ID INDEX

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D52	8	1	4
C54	10	1	5
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D56	8	1	4
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D61	10	1	5
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D63	11	1	5
D64	11	1	5
D65	11	1	5
C66	3	1	3
C67	3	1	3
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**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC, CALCINER**

SECTION D: DEVICE ID INDEX

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C102	5	1	3
D104	4	1	3
E105	12	4	0
D106	1	1	1
D110	8	1	4
D111	8	1	4
D112	9	1	4
D113	9	1	4
D114	8	1	4
D115	9	1	4



FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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

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

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

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

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

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

[RULE 431.2, 9-15-2000]

F33.1 The operator shall comply with the requirements and conditions of the Approval to Construct/Modify issued by the U.S. EPA for this facility.

All requirements and conditions of the Approval to Construct/Modify issued by the U.S. EPA on December 11, 1980 (Ref. NSR 4-4-9/LA 80-03) and subsequent amendments on November 4, 1986 and May 6, 1998 are incorporated into this permit. Compliance with this permit shall be considered as compliance with EPA Approval to Construct/Modify.

[RULE 1703 - PSD Analysis, 10-7-1988; 40CFR 52 Subpart A, 3-12-1996]



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

PROCESS CONDITIONS

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

[RULE 1158, 6-11-1999]

[Processes subject to this condition : 1]

SYSTEM CONDITIONS

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

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

The operator shall clean the exterior of the vehicle (including the tires) hauling the petroleum coke prior to leaving the working site.

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

[RULE 1158, 6-11-1999; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[RULE 1158, 6-11-1999; 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 3]

S20.1 For the purposes of determining compliance with District Rule 405, solid particulate matter emissions shall be based on the combined emissions from all points of this system.

[RULE 405, 2-7-1986]

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

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity



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

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

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D12, D13, D14, D15, D16, D17, D18, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D55, D56, D74, D91, D110, D111, D112, D113, D114, D115]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 42.8 LBS IN ANY ONE DAY
PM10	Less than or equal to 407 LBS IN ANY ONE DAY
CO	Less than or equal to 828 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D20]

A103.1 The operator shall keep materials received sufficiently moist to prevent fugitive dust emissions.

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

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D64, D114, D115]

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



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

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

[Devices subject to this condition : C102]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the material processed to no more than 4608 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as lime.

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

[Devices subject to this condition : D8]

C1.3 The operator shall limit the material processed to no more than 2700 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as lime.

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

[Devices subject to this condition : D9]

C1.4 The operator shall limit the material processed to no more than 9000 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as gypsum.

This limit shall be based on the total combined limit for equipment D63 & D64.



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

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

[Devices subject to this condition : D63, D64]

- C1.5 The operator shall limit the material processed to no more than 7200 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as calcined coke.

This limit shall be based on the total combined limit for equipment D52 and D56.

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

[Devices subject to this condition : D52, D56]

- C1.6 The operator shall limit the loading rate to no more than 2700 ton(s) in any one calendar month.

For the purpose of this condition, loading rate shall be defined as dry lime charged to the lime slaker.

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

[Devices subject to this condition : D10]

- C1.7 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

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

[Devices subject to this condition : D78, D80]



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

- C1.8 The operator shall limit the material processed to no more than 2400 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as green coke.

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

[Devices subject to this condition : D20]

- C1.9 The operator shall limit the material processed to no more than 120000 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as green coke.

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

[Devices subject to this condition : D1]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 2200 Deg F.

This condition shall only apply when not operating under startup or shutdown mode.

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

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. The accuracy of the device shall be verified once every 12 months.

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



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

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

[Devices subject to this condition : C67]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

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

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

[Devices subject to this condition : C54, C69, C70, C73, C76, C77]

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

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D78, D80]

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



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

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

The District shall be notified of the date and time of the test at least 3 days prior to the test.

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

Source test shall be conducted when this equipment is operating at normal load.

The test shall be conducted to demonstrate compliance with emission limits specified under Cond. No. A63.3.

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

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

[Devices subject to this condition : D20]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:



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

The test shall be conducted to determine SOx emissions at the outlet of the baghouse.

The test shall be conducted to demonstrate compliance with SOx emission limits specified by permit condition E71.1.

The District shall be notified of the date and time of the test at least 30 days prior to the test.

The test shall be conducted using previously approved District test methods.

The test shall be conducted at least annually.

The test shall be conducted when the coke calciner plant is operating at 80% or greater of maximum capacity.

[RULE 1703(a)(3) PSD Analysis, 10-7-1988; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 52 Subpart A, 3-12-1996]

[Devices subject to this condition : C69]

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

NOX concentration in ppmv

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

The CEMS shall be installed and maintained to totalize the exhaust gas flow rate in dry standard cubic feet.



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

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

[Devices subject to this condition : S71]

D90.1 The operator shall periodically analyze the outlet ammonia concentration in ppm by volume corrected to 3 percent oxygen, dry basis, according to the following specifications:

The operator shall use a District approved method to analyze the parameter.

The operator shall analyze once every year or whenever ammonia injection port / station or injection nozzle size is changed.

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

[Devices subject to this condition : C102]

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 : D78, D80]

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.



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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 : D8, C54, D61, D62, C69, C70, C73, C76, C77]**



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

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

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

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

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



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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 : D20, C66, C67, C68, C69**]



FACILITY PERMIT TO OPERATE TESORO REF & MKTG CO LLC, CALCINER

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.



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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 : D1, D2, D3, D4, D5, D6, D7, D9, D10, D12, D13, D14, D15, D16, D17, D18, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D55, D56, D60, D63, D64, D65, D74, D91, D110, D111, D112, D113, D114, D115]

- 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 Rule 407. 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 : C67]



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

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on 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, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : D8, D62]



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

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C54, D61, C70, C73, C76, C77]



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

D381.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on 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, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C69]

E. Equipment Operation/Construction Requirements

E71.1 The operator shall not discharge or cause the discharge from this equipment for a maximum 2-hour average, SO₂ in excess of 131 pounds per hour or 2.55 pounds per ton of green coke feed. The emission limit of 2.55 pounds per ton of green coke feed shall not apply during periods of startup and shutdown when green coke feed rates are low or zero. Compliance with this condition shall be determined by performance tests and/or continuous emission monitoring conducted at the exhaust of the stack.



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

[RULE 1703 - PSD Analysis, 10-7-1988; 40CFR 52 Subpart A, 3-12-1996]

[Devices subject to this condition : C69]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use the oxygen injection system to minimize VOC and CO emissions from this equipment if all of the following requirement(s) are met:

Process weight is below 1980 tons/day

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

[Devices subject to this condition : D20]

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

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

[Devices subject to this condition : D8, C54, D61, D62, C66, C69, C70, C73, C76, C77]

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

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

[Devices subject to this condition : D1, D56]

- E184.1 The operator shall thoroughly clean the filters in the filter vents immediately after each load of material is received.



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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D8]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall activate the water sprinkler system when the hopper is in operation.

[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 : D112]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall activate the water sprinkler system during all emergency coke dump incidents.

[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 : D115]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall only operate this equipment during periods of maintenance and inspection of the hot coke diversion system.



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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(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 : D115]

E193.4 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall maintain the bag leak detection system (BLDS) in the manifolds or connecting ducts joining the baghouse outlets.

The operator shall calibrate the bag leak detection system (BLDS) for expected exhaust stack particulate concentration so that the detectors will accurately alert the equipment operator of the occurrence of broken or leaking bags.

Documentation verifying the calibration of the bag leak detection system (BLDS) shall be maintained on file and made available upon request of District personnel.

The bag leak detection system (BLDS) shall be equipped with visual and audible alarms.

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C69]

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



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

The exhaust temperature shall be maintained at a minimum of 2,200 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the exhaust temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within plus or minus 30 degrees F. of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as an exhaust temperature less than 2,200 degrees Fahrenheit which occurs during normal operation of the equipment it serves. The operator shall review the records of the exhaust temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the exhaust temperature at or above 2,200 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days



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

after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[40 CFR 64, 11-21-1997]

[Devices subject to this condition : C67]

E193.6 The operator shall operate and maintain this equipment according to the following specifications:



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

The bag leak detection system (BLDS) shall be equipped with continuously operational computer interfaces which allow printouts of graphical charts displaying the electronic signal generated by each triboelectric probe installed in the baghouse.

For the purpose of this condition, a deviation shall be defined as the period, excluding periods of start-up, maintenance, or shutdown, which starts when a bag leak detection system (BLDS) alarm activates and ends when corrective actions to the BLDS or baghouse are completed.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceed 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.



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

[40 CFR 64, 11-21-1997]

[Devices subject to this condition : C69]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

[RULE 1415, 12-3-2010]

[Devices subject to this condition : E96]

H23.3 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 : E95]

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

Contaminant	Rule	Rule/Subpart
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The operator shall comply with the terms and conditions set forth below:

Chromium, Hexavalent	District Rule	1404
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[RULE 1404, 4-6-1990]

[Devices subject to this condition : E105]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

[RULE 1470, 5-4-2012]

[Devices subject to this condition : D80]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C54, C69, C70, C73, C76, C77]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:



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

Source test results shall be submitted to the District no later than 30 days after the source test was conducted.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM10 emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

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

[Devices subject to this condition : D20]

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM10 emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

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

[Devices subject to this condition : C69]

K67.1 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:

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

[Devices subject to this condition : E94]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

the date, time and results of the inspection

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

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

[Devices subject to this condition : D8, C54, D61, D62, C69, C70, C73, C76, C77]

K67.3 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:

Daily hours of operation of the injection system

Urea injection rate in gpm

Number of injection stations and nozzles used in the operation

Stack outlet ammonia concentration measurements

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

[Devices subject to this condition : C102]

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

The date of operation, the elapse time in hours, and the reasons for operation

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D78, D80]



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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 NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]



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- 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 provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
- 9. The operator shall, when a source test is required by 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. NO_x Monitoring Conditions

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NO_x source to continuously measure the concentration of NO_x emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NO_x emissions rate from each source. The time-sharing of CEMS among NO_x sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by 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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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.

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

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

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

II. 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]



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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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:

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]



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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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

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

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

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2011, Table 2011-1, and Rule 2011, Appendix A, Table 3-A. The sharing of totalizing meters shall be allowed for process units except those using fuels with different sulfur contents. [2011]

IV. SO_x Source Testing Conditions

1. The operator shall conduct all required SO_x source testing in compliance with an 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 operator shall submit a quarterly certification of emissions including the total facility NO_x or SO_x emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2004]

NO_x Reporting Requirements

- A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:



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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the 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 24 hours extension to submit the report. [2012]
2. Calculate NOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [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:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]



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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

SOx Reporting Requirements

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

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

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

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



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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE



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SECTION I: PLANS AND SCHEDULES

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

- a. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

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

List of approved plans:

Application	Rule
556731	3003

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



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**SECTION J: AIR TOXICS
[40CFR 63Subpart ZZZZ 03-09-2011]**

**NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS:
STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**

The owner/operator of existing emergency stationary Reciprocating Internal Combustion Engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ including but not limited to the following:

1. The owner/operator shall comply with the applicable requirements as specified in 63.6603 including but not limited to the following:

Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirement, except during periods of startup . . .	During periods of startup you must . . .
4. Emergency stationary CI RICE and black start stationary CI RICE. ²	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; ¹	
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
5. Emergency stationary SI RICE; black start stationary SI RICE. ²	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; ¹	
	b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	

¹Sources have the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

²If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law



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[40CFR 63SubpartZZZZ 03-09-2011]

has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

2. The owner/operator shall comply with the applicable general requirements as specified in 63.6605.
3. The owner/operator shall comply with the applicable monitoring, installation, collection, operation, and maintenance requirements specified in 63.6625.
4. The owner/operator shall demonstrate continuous compliance with the applicable emission limitations and operating limitations specified in 63.6640 including but not limited to the following:
 - (a) You must demonstrate continuous compliance with each emission limitation and operating limitation according to methods specified in Table 6 to this subpart.

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each . . .	Complying with the requirement to . . .	You must demonstrate continuous compliance by . . .
existing emergency and black start stationary RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

(c) you must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) of this section. Any operation other than emergency operation, maintenance and



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testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (iii), as long as the power provided by the financial arrangement is limited to emergency power.

5. The owner/operator shall comply with the applicable record keeping requirements specified in 63.6655 and 63.6660.



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GENERAL PROVISIONS

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

Permit Renewal and Expiration

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

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

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

Payment of Fees

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



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Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

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

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



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9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



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14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]



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SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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



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**SECTION K: TITLE V Administration
RECORDKEEPING PROVISIONS**

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

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.



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- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
 - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;



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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 1110.2	2-1-2008	Federally enforceable
RULE 1110.2	9-7-2012	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1155	12-4-2009	Non federally enforceable
RULE 1158	6-11-1999	Federally enforceable
RULE 1158	7-11-2008	Non federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1415	12-3-2010	Non federally enforceable
RULE 1470	5-4-2012	Non federally enforceable
RULE 1703 - PSD Analysis	10-7-1988	Federally enforceable



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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1703(a)(3) PSD Analysis	10-7-1988	Federally enforceable
RULE 2011	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	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 3003	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-1-2012	Non federally enforceable
RULE 304	6-1-2012	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 403	6-3-2005	Federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	11-17-1995	Non federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable



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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
40CFR 52 Subpart A	3-12-1996	Federally enforceable
40CFR 63SubpartZZZZ	3-9-2011	Federally enforceable
40 CFR 64	11-21-1997	Federally enforceable



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**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219**

1. INTERNAL COMBUSTION ENGINE, WELDING EQUIPMENT, DIESEL



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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.



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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		



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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.



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**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



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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 (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.



**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC.CALCINER**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]**

**TABLE OF STANDARDS 1
VOC LIMITS**

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

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges ³		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]**

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac Clear		730			



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]**

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

- 1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
- 2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
- 3 Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

**TABLE OF STANDARDS 1 (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

**TABLE OF STANDARDS 2
VOC LIMITS FOR COLORANTS**

**Grams of VOC Per Liter of Colorant
Less Water and Less Exempt Compounds**

COLORANT ADDED TO	Limit ⁴
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.



**FACILITY PERMIT TO OPERATE
TESORO REF & MKTG CO LLC,CALCINER**

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

(1) Solvent Requirements

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		



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

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
	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
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**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 02-01-2008]**

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

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



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 05-01-2009]**

(1) Solvent Requirements

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

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



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

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



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

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

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



**FACILITY PERMIT TO OPERATE
 TESORO REF & MKTG CO LLC.CALCINER**

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter ² 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
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**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter ⁹ 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



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**APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0