



FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: CATALYTIC REFORMING AND ISOMERIZATION					P13.1
System 2: PLATFOMER UNIT #70 HEATERS					
HEATER, 70-H-1/2/3, PROCESS GAS, REFINERY GAS, BASED ON FUEL HHV OF 1199 BUT/SCF, WITH LOW NOW BURNER, 258 MMBTU/HR WITH A/N: 504764 Permit to Construct Issued: <i>To be determined</i> BURNER, REFINERY GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CSG-10W, 23 BURNERS, WITH LOW NOX BURNER	D74	D68 D69 D71 D932 D934 D935 D940 D941 D942 D943	NOX: MAJOR SOURCE; SOX: MAJOR SOURCE	CO: 2000 PPMV (5)[RULE 407, 4-2-1982] NOX: 10.5 LBS/HR (7) [RULE 2005, 5-6-2005] NOX: 0.055 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005] PM: (9)[RULE 404, 2-7- 1986] PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.5, A229.2, B61.1, B61.2, C1.16, D90.3, D90.13, D182.3, D182.5, H23.5, A195.13

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

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



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 15: STEAM GENERATION					P13.1
System 4: BOILER					S4.4, S31.5
BOILER, 86-B-9002, REFINERY GAS, RENTECH BOILER SYSTEMS, MODEL BAF-200/250, 245 MMBTU/HR WITH A/N: 504767 Permit to Construct Issued: <i>To be determined</i> BURNER, REFINERY GAS, COEN, MODEL DAF-42, WITH LOW NOW BURNER, 245 MMBTU/HR	D1550	C1551	NOX: MAJOR SOURCE; SOX: MAJOR SOURCE	CO: 2000 PPMV (5)[RULE 407, 4-2-1982] CO: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996 ; RULE 1303(a)(1)-BACT, 12-6-2002] NOX: 0.015 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005] NOX: 9 PPMV (4) [RULE 2005, 5-6-2005] NOX: 7 PPMV (Monthly) (4) [RULE 2005, 5-6-2005] NOX: 0.035 LBS/MMBTU REFINERY GAS (1) [RULE 2012, 5-6-2005] PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976] PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976] SOX: 16.9 LBS/MMSCF REFINERY GAS (1) [RULE 2011, 5-6-2005]	A1.2, A99.6, A99.7, A99.8, A195.1, A327.1, B61.1, B61.2, D29.9, D29.10, D82.5, D90.3, H23.5, H23.28, K67.10, A195.16

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

FACILITY CONDITIONS

F8.1 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Subsequent Environmental Impact Report dated 08/30/2002 for this facility.

[CA PRC CEQA, 11-23-1970]

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]

F10.1 Material(s) that contain the following compound(s) shall not be used in this facility;

Total Reduced Sulfur

H2S

Hydrogen Fluoride

This condition shall not apply if the operator demonstrates to the satisfaction of the Executive Officer that the facility is in compliance with the operational air quality mitigation measures stipulated in the Reformulated Fuels Project EIR as follows:

a. Implementation of an inspection and maintenance program for all odor sources.

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

- b. Installation and inspection of a deluge system in the alkylation unit. The deluge system shall be inspected quarterly and flow tested semi-annually.
- c. Installation and inspection of elevated monitors with water spray system covering all area of the alkylation unit. The system shall be inspected weekly and flow tested monthly.
- d. Conduct safety review for the GOH unit, revision and implementation of the Risk Management and Prevention Plan (RMPP) for hydrogen sulfide.
- e. Conduct safety review for the Sulfur Recovery Unit, revision and implementation for the RMPP for hydrogen sulfide.

[CA PRC CEQA, 11-23-1970]

F14.1 The operator shall not purchase diesel fuel, for stationary source application as defined in Rule 431.2, containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

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

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

- a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).
- b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[**40CFR 68 – Accidental Release Prevention, 5-24-1996**]

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

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

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

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

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

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

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007]

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

[RULE 431.1, 6-12-1998]

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

California Code of Regulations, Title 13, Division 3, Chapter 5

40 CFR 79

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

40 CFR 80

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

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

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A

40 CFR 63 Subpart GGGGG

[40CFR 60 Subpart A, 5-16-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart GGGGG, 11-29-2006]

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

CONSENT DECREE CIVIL NO. SA-05-CA-0569. The facility shall send the District a copy of the semiannual update report sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree. This report shall also identify any anticipated future requirements known as of the date of the report and dates of compliance for the requirements.

[CONSENT DECREE VALERO, 6-16-2005]

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

PROCESS CONDITIONS

- * (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
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- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
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The operator shall comply with the terms and conditions set forth below:

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

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

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

[Processes subject to this condition: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14]

SYSTEM CONDITIONS

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

All components are subject to the applicable requirements of District Rule 1173, 40CFR60, Subpart GGG, 40CFR60, Subpart QQQ, and to the requirements set forth in system condition S31.5.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a process instrumentation diagram(s) with a listing of all non-leakless type valves categorized by tag no., size, type, service, operating conditions (temperature and pressure), body material, application, and reasons why leakless valves were not used.

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; 40CFR 60 Subpart GGG, 6-2-2008; 40CFR 60 Subpart QQQ, 10-17-2000]

[Systems subject to this condition: Process 4, System 7; Process 7, System 1, 3; Process 8, System 4; Process 14, System 5; Process 15, System 4]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 416627 (Unit 43), 416624 (Unit 56), 416622 (Unit 68), 416626 (Unit 69), 416633 (Unit 81-V-9), 504767 (Unit 86-B-9003), and 465660 (Unit 88):

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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
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The operator shall comply with the terms and conditions set forth below:

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

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

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

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

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

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, meter, and any instrumentation which are not exempted by Rule 1173.

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

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

If 98.0 percent or greater of the new valve and flange population inspected is found to leak gaseous or liquid VOC at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer.

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(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 4, System 7; Process 7, System 1, 3; Process 8, System 4; Process 14, System 5, Process 15, System 4]

- * (1)(1A)(1B) Denotes RECLAIM emission factor
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- (9) See App B for Emission Limits
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DEVICE CONDITIONS

A. Emission Limits

A1.2 Compliance with the emission limit(s) specified in the emissions and requirements column for this device shall be determined as follows:

Emittant	Emission Limit Type	Averaging time	Compliance Verification Method
CO	(5) - Command and Control	15 minute (3 percent oxygen)	Source test
CO	(4)- BACT	1 hour (3 percent oxygen)	Certified CEMS
NOx	(4)- BACT	1 hour (3 percent oxygen)	Source test, Certified CEMS
PM	(5) - Command and Control	1 hour (3 percent oxygen)	Source test

The NOx BACT identified above applies only to the 9 PPM limit.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**; **RULE 2005, 5-6-2005**; **RULE 407, 4-2-1982**; **RULE 409, 8-7-1981**; **RULE 476, 10-8-1976**]

[Devices subject to this condition: D1550]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 180 LBS IN ANY ONE DAY
PM10	Less than or equal to 86 LBS IN ANY ONE DAY
ROG	Less than or equal to 37 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment device ID Nos. D74, D68, D69, D71, D934, D940, D941, D942, and D943.

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

[Devices subject to this condition: D74]

A99.6 The 9 ppm NOx emission limit(s) shall not apply during any startup.

For the purposes of this condition, startup shall be defined as the period when the exhaust temperature of this equipment is below 475 degrees F, which is the minimum ammonia injection temperature.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D1550]

A99.7 The 0.035 LBS/MM Btu NOx emission limit(s) shall only apply during the interim reporting period to report RECLAIM emissions. The interim reporting period, which is defined as the period between the initial startup of the major NOx source and the provisional approval of the CEMS, shall not exceed 12 months from the initial startup date. The operator shall provide the AQMD with written notification of the initial startup date.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the combustion device.

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition: D1550]

A99.8 The 16.9 LBS/MMSCF SOx emission limit(s) shall only apply during the interim reporting period to report RECLAIM emissions. The interim reporting period, which is defined as the period between the initial startup of the major sox source and the provisional approval of the CEMS, shall not exceed 12 months from the initial startup date. The operator shall provide the AQMD with written notification of the initial startup date.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the combustion device.

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 2011, 5-6-2005]

[Devices subject to this condition: D1550]

A195.1 The 7 ppmv (monthly) NOx emission limit(s) is averaged over a calendar month and is at dry condition, corrected to 3 percent oxygen.

This NOx calendar monthly emission limit shall be calculated based on the measured NOx emissions using a certified RECLAIM CEMS and the heat input during all boiler operating hours for the calendar month except during:

- Any District required source test performed without ammonia;
- Periods of the exhaust temperature entering the SCR catalyst is less than 475 degrees F, which is the minimum ammonia injection temperature);
- RATA testing;
- RECLAIM Missing Data period;
- Calibration and maintenance periods;
- Equipment breakdown periods as defined in Rule 2004; and
- Periods of zero fuel flow.

The heat input weighted average NOx concentration shall be calculated using this equation, or other equivalent equation: PPMV at 3 percent oxygen = (Et/Qt) x K, where:

- PPMV at 3 percent oxygen = Concentration of NOx in PPMV at 3 percent oxygen
- Et = Total measured NOx emissions during the averaging period (excluding exempt periods as noted above)
- Qt = Total heat input during the averaging period (excluding exempt periods as noted above)
- K =A conversion factor from lbs/MMBtu to PPM, which can be determined using EPA 40 CFR60 Method 19

A data acquisition system (DAS) shall be installed and maintained to record the parameters necessary to determine the calendar monthly NOx concentration. In addition, the DAS shall calculate and display on demand the average monthly NOx PPM.

Any corrections to the DAS data and calculation shall be completed within 72 hours after the end of the calendar month. The recorded parameters and the calculated average monthly NOx PPM shall be kept for a period as stated in the Section E of this facility permit and shall be readily available to the District personnel upon request.

A violation of the 7 PPM NOX limit shall be a violation of the emission limit for the entire averaging period.

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[RULE 2005, 5-6-2005]

[Devices subject to this condition: D1550]

A195.13 The 0.055 lb/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree interim NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall only apply during the interim emission reduction period from January 1, 2010 to December 31, 2011.

[Consent Decree Valero, 6-16-2005]

[Devices subject to this condition: D74]

A195.16 The 0.015 lb/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree interim NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall only apply during the interim emission reduction period from January 1, 2010 to December 31, 2011.

[Consent Decree Valero, 6-16-2005]

[Devices subject to this condition: D1550]

A229.2 The 10.5 lbs/hr emission limit is calculated by the parameters measured and recorded in accordance with Rule 2012. The mass emission limit is solely for the purpose of ensuring that there is no net increase in emission of NOx that will trigger BACT requirement pursuant to Rule 2005(c)(1)(A)

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D74]

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FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[RULE 476, 10-8-1976]

[Devices subject to this condition: D1550]

B. Material/Fuel Type Limits

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

Compound	ppm by volume
Sulfur	less than 100

The operator shall maintain a continuous total sulfur analyzer to monitor the sulfur content of the fuel gas.

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

[Devices subject to this condition: D74, D1550]

B61.2 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S	160

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

[Devices subject to this condition: D74, D1550]

C. Throughput or Operating Parameter Limits

C1.16 The operator shall limit the fuel usage to no more than 214000 cubic feet per hour.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the heater in accordance with Rule 2012.

* (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 limits (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

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



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

The operator shall also maintain a device to continuously record the parameters being measured and the fuel gas usage in an hourly basis.

The purpose(s) of this condition is to ensure that the maximum increase in emissions will not exceed the emission offset provided for this heater for CO, PM10, and ROG pursuant to Rule 1303(b)(3).

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

[Devices subject to this condition: D74]

D. Monitoring and Testing Requirements

D29.9 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District Method 100.1	1 hour	Outlet of the SCR
PM emissions	Approved District Method	District-approved averaging time	Outlet of the SCR
NOX emissions	Approved District Method	1 hour	Outlet of the SCR
NH3 emissions	District Method 207.1 and 5.3 or EPA Method 17	1 hour	Outlet of the SCR

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after the construction/modification is completed.

The test shall be conducted when this equipment is operating at 80 percent or greater of its maximum design heat rating, or within a capacity approved by the District, with ammonia injection.

During the source test(s), the facility permit holder shall also measure the oxygen levels in the exhaust, flue flow rate (CFH), the flue gas rate, and flue gas temperature.

* (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 limits(e.g. NSPS, NESHAPS, etc.)
 (10) See Section J for NESHAP/MACT requirements

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

In addition to the source test requirements of Section E of this facility permit, the facility permit holder shall submit the protocol to the AQMD engineer no later than 45 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test.

The operator shall also provide to the District a source test report containing, at a minimum, the following information:

Required Data	Reported As
Emissions data	Concentration (ppmv) corrected to 3 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet
Moisture concentration	Grains per DSCF
Exhaust flow rate	Dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM)
Flue gas temperature	Degrees F
Moisture concentration	Percent oxygen
Fuel flow rate (CFH)	cubic feet per hour (cfh)

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

The test shall be conducted to demonstrate compliance with Rules 1303(a)(1)-BACT, 2005, 407, 409, and 476.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005; RULE 407, 4-2-1982; RULE 409, 8-7-1981; RULE 476, 10-8-1976**]

[Devices subject to this condition: D1550]

D29.10 The operator shall conduct source test(s) for the pollutant(s) identified below.

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

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

* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
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The operator shall comply with the terms and conditions set forth below:

The test shall be conducted when the combustion devices being vented to the SCR are operating under normal operating conditions.

The test shall be conducted to demonstrate compliance with Rules 407, 409, and 476.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 409, 8-7-1981; RULE 476, 10-8-1976]

[Devices subject to this condition: D1550]

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

CO concentration in ppmv

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

The CEMS shall be installed and operated in accordance with an approved AQMD Rule 218 CEMS plan application.

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

[Devices subject to this condition: D1550]

D90.3 The operator shall continuously monitor the H2S concentration in the fuel gas before being burned in this device according to the following specifications:

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

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

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

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

Devices subject to this condition: D74, D1550]

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
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The operator shall comply with the terms and conditions set forth below:

D90.13 The operator shall periodically analyze the H2S concentration in the process gas streams vented to this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on November 15, 2005 for the periodic analysis and reporting of H2S concentration for the process gas streams vented from the Catalytic Reformer Unit (CRU) to Heater 70-H-1/2/3.

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

Devices subject to this condition: D74]

D182.3 The operator shall test this equipment in accordance with the following specifications:

The test shall determine and report the mass emission rates (lb/hr) for chlorine and chlorinated compounds listed in District Rule 1401 Table 1. The test shall also report the operation conditions of the Platformer Unit during the test in terms of fuel gas flow rate, gross heating value, catalyst regeneration rate, chlorination gas flow rate, catalyst recirculation rate and trichloroethane injection rate.

During the test, the equipment (D74, D68, D69, D71, D932, D934, D935, D940, D941, D942, and D943) shall be in full operation or operated within a capacity range approved by the District.

A source test protocol shall be submitted to the District no later than 60 days before the proposed test date. The District shall be notified of the date and time of the test at least 15 days prior to the test. A report shall be submitted to the District no later than 90 days after conducting the test.

The test shall be conducted within 180 days from the start-up of this equipment.

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

[Devices subject to this condition: D74]

D182.5 The operator shall test this equipment in accordance with the following specifications:

A source test protocol shall be submitted to the District no later than 60 days before the proposed test date. The test may commence without prior approval from the District if it is conducted according to a source test protocol previously approved by the District for this equipment. The District shall be notified of the date and time of the test at least 15 days prior to the test. A report shall be submitted to the District no later than 90 days after conducting the test.

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
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The operator shall comply with the terms and conditions set forth below:

The test shall determine and report the concentrations (ppmv at 3 percent oxygen) and mass emission rates (lb/hr) for CO, PM10, and ROG.

The test shall also include catalyst recirculation rate.

The test shall be conducted at least once every three years after conducting the initial performance test

During the test, the equipment shall be operated at least 80 percent of the permitted maximum rated capacity or within a capacity range approved by the District.

Testing and sampling facilities shall be provided and maintained in accordance with District source test method 1.1 or 1.2 and District guidelines for construction of sampling and testing facilities.

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

[Devices subject to this condition: D74]

H. Applicable Rules

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

Table with 3 columns: Contaminant, Rule, Rule/Subpart. Row 1: H2S, 40CFR60, SUBPART, J

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

Devices subject to this condition: D74, D1550]

H23.28 This equipment is subject to the applicable requirements of the following rules or regulations:

Table with 2 columns: Rule, Rule/Subpart. Row 1: 40CFR60, SUBPART, Db

[40 CFR60, Subpart Db, 11-16-2006]

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition: D1550]

K. Recordkeeping/Reporting

K67.10 The operator shall keep records, in a manner approved by the district, for the following parameter(s) or item(s):

fuel gas usage

fuel gas heating value

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

[Devices subject to this condition: D1550]

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
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