



FACILITY PERMIT TO OPERATE LUNDAY-THAGARD COMPANY

SECTION H: 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 : LOADING AND UNLOADING					
System 3: EAST AREA NAPHTHA LOADING					
LOADING ARM, TANK TRUCK/TRAILER, NAPHTHA, 2 TOTAL, DIAMETER: 3 IN A/N: 527592	D136	C246, C247		VOC: 0.08LB/1000 GAL(5)[RULE 462, 5-14-1992];VOC: 0.04 LBS//1000 GAL (4) [RULE 1303(A)-BACT]	C1.33, D29.4, H23.9
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 527592	D170				H23.8
Process 3 : LOADING AND UNLOADING					
System 5: BULK PETROLEUM LOADING					
LOADING ARM, TANK TRUCK/TRAILER, BULK PETROLEUM, 6 TOTAL, DIAMETER: 4 IN A/N: 527592	D142	C246, C247			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 527592	D172				H23.8
Process 9 : AIR POLLUTION CONTROL					
System 2: APC SYSTEM SERVING NAPHTHA LOADING					
SCRUBBER, PACKED BED, SULFATREAT, 1500 LB CAPACITY A/N: 527588	C246	D136, D142, C105			E73.4, E193.4, E193.6
SCRUBBER, PACKED BED, SULFATREAT, 1500 LB CAPACITY A/N: 527588	C247	D136, D142, C105			E73.4, E193.4, E193.6
BLOWER, NAPHTHA TURBO A/N: 527594	D102				
SEAL POT, DIAMETER: 2 FT, 6 IN; HEIGHT: 12 FT A/N: 527594	D250				



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INCINERATOR, NAO-VAPOR DISPOSAL, NATURAL GAS, PROCESS GAS, 1.4 MMBTU/HR A/N: 527594	C105	D136, D142, C246, C257	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5)[RULE 407, 4-2-1982];NOX: 0.13 LBS/MMBTU (1) [RULE 2012, 12-7-1995, RULE 2012, 3-16-2001]; PM (9)[RULE404, 2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] SOX: 0.6 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 5-6-2005] SOX: PPMV [RULE 407, 4-2-1982]	C8.1, D28.4, D332.2, H23.16
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 527594	D184				H23.8

SYSTEM CONDITIONS

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

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

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

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.33 The operator shall limit the loading rate to no more than 80000 gallon(s) per day.



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

To comply with this condition, the operator shall install and maintain a(n) measuring device to accurately indicate the throughput from the equipment.

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

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

[Devices subject to this condition: D136]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

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

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

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

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

D. Monitoring/Testing Requirements

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted every five years to determine the PM emissions at the outlet.

[Rule 3004(a)(4)-Periodic Monitoring, 12-12-1997; Rule 404, 2-7, 1986; Rule 407, 4-2-1982]

[Devices subject to this condition: C105]

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



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

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

The test shall be conducted 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 the sources venting to this equipment are in operation and venting to this equipment.

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 test shall be conducted to demonstrate compliance with Rule 1303(a)(1)-BACT and Rule 462.

During the test, the naphtha loaded shall be monitored and recorded to determine compliance with 1303(a)(1)-BACT and Rule 462 requirements.

[Rule 1303(a)(1)-BACT, 5-10, 1996; Rule 1303(a)(1)-BACT, 12-6-2002; Rule 462, 5-14-1999]

[Devices subject to this condition: D136]

D332.2 The operator shall determine compliance with the CO emission limit(s) by either (a) conducting a source test at least once every five years using a portable analyzer and AQMD approved test method, or if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition: C105]

E. Equipment Operation/Construction Requirements



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

E73.4 Notwithstanding the requirements of Section E conditions, the operator shall not use this equipment unless:

Nao-Vapor Disposal Incinerator (C105) is in full use and has a valid permit to receive all vent gases from this equipment.

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

[Devices subject to this condition: C246, C247]

E193.4 The operator shall operate and maintain this equipment as follows:

During media change-out operations, spent media shall:

- 1) Be placed immediately into sealed containers after removal
- 2) During breaks in media removal activities, all vessels and/or containers containing spent media shall be sealed and not exposed to the atmosphere.

[Rule 402, 5-7-1976]

[Devices subject to this condition: C246, C247]

E193.6 The operator shall operate and maintain this equipment as follows:

Two vessels total, one operated singly or two in series.

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

[Devices subject to this condition: C246, C247]

H. Applicable Rules

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173



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

VOC	40CFR60, Subpart	GGG
[Rule 1173, 5-13-1994; Rule 1173, 2-6-2009; 40CFR 60 Subpart GGG, 6-2-2008]		

[Devices subject to this condition: D170, D172, D184]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462

[Rule 462, 5-14-1999]

[Devices subject to this condition: D136]

H23.16 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, Subpart	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.104(a)(1)) during periods of startup, shutdown and malfunctions shall not be considered a violation of the applicable emission limit (40CFR60.104(a)(1)) unless otherwise specified in the applicable standard.

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

[Devices subject to this condition: C105]