



## FACILITY PERMIT TO OPERATE LUNDAY-THAGARD COMPANY

### 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
<b>Process 2 : TREATING/STRIPPING</b>					
<b>System 2: TANK VENT LINE H2S REMOVAL SYSTEM</b>					
SCRUBBER, PACKED BED, V-510, SULFATREAT, 6000 LBS, IN SERIES DIAMETER: 4 FT; HEIGHT: 8 FT A/N: 497330	C239	C240, C97			E193.2, E193.4, E193.5
SCRUBBER, PACKED BED, V-511, SULFATREAT, 6000 LBS; IN SERIES DIAMETER: 4 FT; HEIGHT: 8 FT A/N: 497330	C240	C239, C97			E193.2, E193.4, E193.5
BLOWERS, BL-510 AND BL-511, ONE STANDY-BY, 7.5 HP, COMMON TO C239 AND C240 A/N:497330	D241				
BLOWERS, BL-515 AND BL-516, ONE STANDY-BY, 3 HP, COMMON TO C239 AND C240 A/N:497330	D242				
BLOWERS, BL-520 AND BL-521, ONE STANDY-BY, 3 HP, COMMON TO C239 AND C240 A/N:497330	D243				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N 497330	D244				H23.17
<b>Process 5 : STORAGE TANKS</b>					
<b>System 1: FIXED ROOF</b>					
STORAGE TANK, FIXED ROOF, NO. 8705, CRUDE OIL, GAS OIL, WITH A MIXER; 8700 BBL; DIAMETER: 36 FT; HEIGHT: 48 FT A/N: 498827	D35	C97			C1.32, H23.13, H23.19, K67.6
STORAGE TANK, FIXED ROOF, 418, NAPHTHA, GAS OIL, 20160 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 493998	D45	C97			C1.20, H23.13, H23.19, I1.2, K67.6
STORAGE TANK, FIXED ROOF, CRUDE OIL 10001, WITH A MIXER, 10000 BBL, DIAMETER: 42 FT; HEIGHT: 40 FT A/N: 426411	D46	C97			C1.21, H23.13, H23.19, I1.2, K67.6



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STORAGE TANK, FIXED ROOF, 419, NAPHTHA, GAS OIL, 20160 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 493999	D47	C97			C1.20, H23.13, H23.19, II.2, K67.6
STORAGE TANK, FIXED ROOF, 420, GAS OIL, NAPHTHA, 20160 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 426413	D48	C97			C1.19, H23.13, H23.19, II.2, K67.6
STORAGE TANK, FIXED ROOF, 421, GAS OIL, NAPHTHA, 20160 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 494000	D49	C97			C1.31, H23.13, H23.19, II.2, K67.6
STORAGE TANK, FIXED ROOF, 422, GAS OIL, NAPHTHA, KEROSENE, 20160 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N:494001	D50	C97			C1.20, H23.13, H23.19, II.2, K67.6
STORAGE TANK, FIXED ROOF, 423, GAS OIL, NAPHTHA, 20160 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 494002	D51	C97			C1.20, H23.13, H23.19, II.2, K67.6
STORAGE TANK, FIXED ROOF, 3503, SLOP OIL, 3700 BBL; DIAMETER: 30 FT; HEIGHT: 28 FT A/N: 494003	D52	C97, D222			C1.31, H23.13, H23.19, II.2, K67.6
STORAGE TANK, FIXED ROOF, 10002, WITH A MIXER, CRUDE OIL, 10000 BBL, DIAMETER: 42 FT; HEIGHT: 40 FT 10 IN A/N: 426421	D68	C97			C1.23, H23.13, H23.19, II.2, K67.6
STORAGE TANK, 3504, SLOP OIL, 158640 GALS; DIAMETER: 30 FT; HEIGHT: 28 FT A/N: 494004	D74	C97			C1.22, H23.13, H23.19, II.2, K67.6
<b>Process 9 : AIR POLLUTION CONTROL</b>					
<b>System 1: APC SYSTEM SERVING ASPHALT STILL</b>					



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
INCINERATOR, I-301, NATURAL GAS, PROCESS GAS, 14 MMBTU/HR WITH A/N:500301  HEAT EXCHANGER, SHELL AND TUBE TYPE, 7.5 MMBTU/HR MAX. CAP., ASPHALT  BLOWER, INDUCED DRAFT, VARIABLE SPEED, WITH A 75 HP MOTOR, 16000 CU. FT./MIN  PUMP, POSITIVE DISPLACEMENT, 40 HP	C239	D2, D3, D6, D7, D8, D25, D29, D35, D45, D46, D47, D48, D49, D50, D51, D52, D68, D74, S199, C210, C220, C221, D222, D237, C239, C240	NOX: LARGE SOURCE**; SOX MAJOR SOURCE**	CO: 2000 PPMV (5)[ <b>RULE 407, 4-2-1982</b> ];NOX: 0.13 LBS/MMBTU (1) [ <b>RULE 2012, 12-7-1995, RULE 2012, 3-16-2001</b> ];  PM: 0.1 GRAINS/SCF (5) [ <b>RULE 409, 8-7-1981</b> ] SOX: 303.88 LBS/MMSCF PROCESS GAS [ <b>RULE 2011, 5-6-2005</b> ] SOX: 500 PPMV [ <b>RULE 407, 4-2-1982</b> ]	B61.2, C1.17, C8.4, D11.1, D28.2, D29.3, D90.3, D323.1, D328.1, E193.3 H23.16
BLOWER, BL-TBD, A/N: 500301	D244	C97, C239, C240			H23.17
STACK A/N: 500301	S199	C97			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 500301	D183				H23.8

**DEVICE CONDITIONS**

**B. Material/Fuel Type Limits**

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

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit shall be based on a rolling 3-hour averaging period.

[**40CFR60 Subpart J, 6-24-2008**]

[Devices subject to this condition: C97]

**C. Throughput or Operating Parameter Limits**



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

C1.17 The operator shall limit the firing rate to no more than 14MMBtu/hr.

For purposes of this condition, firing rate shall be defined as the combined power generated from combusting all fuel in this equipment.

To comply with this condition, the operator shall determine the firings rate by multiplying the fuel usage in MMscf for each fuel below by their respective HHV. The sum total of all firings rates shall not exceed the firing rate limit.

For natural gas, use HHV= 1050 BTU/scf. For vent gas, use HHV = 1700 BTU/scf.

For the purpose of this condition, the vent gas shall be defined to include, but not limited to crude unit gases that are measured at flow meters FE-131 (Atmospheric Crude Unit) and FE-130 (Vacuum Crude Unit) that are routed to the inlet of the H2S/Sour Gas Treating System.

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

[Devices subject to this condition: C97]

C1.19 The operator shall limit the throughput to no more than 6,083 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.



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

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D48]

C1.20 The operator shall limit the throughput to no more than 24,800 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D45, D47, D49, D50, D51]



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

C1.21 The operator shall limit the throughput to no more than 97,984 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D46]

C1.22 The operator shall limit the throughput to no more than 46,500 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.



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

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D74]

C1.23 The operator shall limit the throughput to no more than 102,315 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.



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

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D68]

C1.31 The operator shall limit the throughput to no more than 31,000 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D49, D52]



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

C1.32 The operator shall limit the throughput to no more than 155,000 barrels in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way product level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the product level. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way product level movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

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

[Devices subject to this condition: D35]

C8.4 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 reading device to accurately indicate the temperature in the or in the ductwork immediately downstream from the firebox.

A source test is required to determine the control efficiency at this firebox temperature.



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

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

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

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

[Devices subject to this condition: C97]

**D. Monitoring/Testing Requirements**

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

The test shall be conducted annually to determine the control efficiency of the incinerator.

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

[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 404, 2-7, 1986; Rule 407, 4-2-1982]

[Devices subject to this condition: C97]

D29.3 The operator shall conduct source test(s)for the pollutant(s) identified below.

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



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		averaging time	
PM emissions	Approved District Method	District-approved averaging time	Stack
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 this equipment is operating at 80 percent or greater of its maximum design heat rating.

The test shall be conducted to determine the control efficiency of the incinerator. Firebox temperature shall be recorded during testing. If control efficiency is less than 99%, testing shall be performed to determine firebox temperature at 99% control efficiency.

The NOx test will be conducted during the incinerator control efficiency test.

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

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 containing, at a minimum, the following information:

Required Data	Reported As
Emissions Data	Concentrations (ppmv) corrected to 15% O2, dry basis except for SOx concentration corrected to 0% O2, dry basis, mass rate (lbs/hr) and lbs/MMCF
Exhaust Flow Rate	Dry standard cubic feet per minute (DSCFM) and



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	dry actual cubic feet per minute (DACFM)
Temperatures	Degrees F
Vent gas and fuel flow rates	Standard cubic feet per hour (SCFH)
Other concentrations	Percent O2, Percent CO2
Firing rate	Total incinerator firing rate, Million British thermal units per hour (MMBTU/hr), Vent gas firing rate in MMBTU/hr, fuel gas firing rate in MMBTU/hr and natural gas fuel firing rate in MMBTU/hr
List of equipment in operation and venting to the incinerator during the test	List of equipment and device number

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 1303(a)(1)-BACT, 1303(b)(2)-Offset, 2005, 404, 407, and 409.

**[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 2005, 5-6-2005; Rule 404, 2-7-1986; Rule 407, 4-2-1982; Rule 409, 8-7-1981]**

[Devices subject to this condition: C97]

D90.3

The operator shall conduct continuously monitor the fuel gases to the inlet of this device according to the following specifications:

The operator shall use NSPS Subpart J approved instrument(s) meeting the requirements of 40CFR 60 Subpart J to monitor the equipment.

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



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

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

[Devices subject to this condition: C97]

D323.1 The operator shall conduct an inspection for visible emission 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 from 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 correction action(s) that eliminates the visible emissions within 24 hours and report 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 the AQMD.

The operator shall keep 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 certified smoke reader.

**[Rule 1146, 11-17-2000; Rule 1146, 9-5-2008; Rule 3004(a)(4)-Periodic Monitoring, 12-12-1997; Rule 407, 4-2-1982]**

[Devices subject to this condition: C97]



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

D323.1 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 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: C97]

#### E. Equipment Operation/Construction Requirements

E193.2 The operator shall operate and maintain this equipment as follows:

Two vessels in total: one in operation, the other in stand-by.

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

[Devices subject to this condition: C220, C221, C239, C240]

E193.3 The operator shall operate and maintain this equipment as follows:

The heat exchanger attached to this equipment shall be used in Asphalt Blowing Service only.

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

[Devices subject to this condition: C97]

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]



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

[Devices subject to this condition: C239, C240]

E193.5 The operator shall operate and maintain this equipment as follows:

Equipment shall only receive displaced gases from C217, C218, or C219 when such vessels are out of service for media removal operations.

For purposes of this condition, displaced gases are the off-gases from degassing unit C217, C218, or C219 when in stand-by mode and not operating as the sulfur control device for the crude units.

[Rule 402, 5-7-1976]

[Devices subject to this condition: C239, C240]

**H. Applicable Rules**

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[Rule 1173, 5-13-1994; Rule 1173, 2-6-2009]

[Devices subject to this condition: D35, D45, D46, D47, D48, D49, D50, D51, D52, D68, D74]

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.



**FACILITY PERMIT TO OPERATE  
LUNDAY-THAGARD COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition: C97]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, Subpart	GGGa

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

[Devices subject to this condition: D235, D244]

H23.19 This equipment is subject to the applicable requirements of the following rules or regulations:

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

[Rule 1149, 7-14 1995; Rule 1149, 5-2-2008; Rule 1178, 4-7-2006; Rule 463, 5-6-2005]

[Devices subject to this condition: D35, D45, D46, D47, D48, D49, D50, D51, D52, D68, D74]

**I. Administrative**

11.2 The operator shall comply with all the requirements of the conditions and compliance schedule as specified in the Variance Case No. 2033-17, issued on 01/17/2007, or any subsequent modification in accordance with the Finding and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contains dates for achieving activities, milestones or compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the



## FACILITY PERMIT TO OPERATE LUNDAY-THAGARD COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.

The variance (or Order for Abatement) references in this conditions does not affect federal or citizen enforceability of the underlying SIP approved rules for which the applicant is receiving the variance (or Order for Abatement)

[Rule 3004(a)(10)(C), 12-12-1977]

[Devices subject to this condition: D45, D46, D47, D48, D49, D50, D51, D52, D68, D74]

#### K. Record Keeping/Reporting

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels per month.

Commodity/product stored.

Vapor pressure, in psia, of each commodity/product stored on a quarterly basis.

Other records that may be required to comply with the applicable requirements of District Rules 463 & 1173.

Records shall be kept and maintained for at least 5 years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

[Devices subject to this condition: D35, D45, D46, D47, D48, D49, D50, D51, D52, D68, D74]