



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 2 : TREATING/STRIPPING					
System 2: TANK VENT LINE H2S REMOVAL SYSTEM					
SCRUBBER, PACKED BED, V-510, SULFUR SCRUBBING MEDIA, 6,000 LBS, HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 556996 Permit to Construct Issued: DRAFT	C239	D35 D38 D39 D40 D45 D46 D47 D48 D49 D50 D51 D52 D68 D71 D74 C97 C240 D251 D252			E193.2, E193.4, E193.5
SCRUBBER, PACKED BED, V-511, SULFUR SCRUBBING MEDIA, 6,000 LBS, HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 556996 Permit to Construct Issued: DRAFT	C240	D35 D38 D39 D40 D45 D46 D47 D48 D49 D50 D51 D52 D68 D71 D74 C97 C239 D251 D252			E193.2, E193.4, E193.5
BLOWERS, BL-514 AND BL-515, ONE STAND-BY, COMMON TO C239 AND C240, 3 HP A/N: 556996 Permit to Construct Issued: DRAFT	D242				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 556996 Permit to Construct Issued: DRAFT	D244				H23.17
Process 5 : STORAGE TANKS					
System 1: FIXED ROOF					
STORAGE TANK, FIXED ROOF, NO. 413, 20000 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 556994 Permit to Construct Issued: DRAFT	D38	C239 C240			B22.3, H23.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 414, 20000 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 556993 Permit to Construct Issued: DRAFT	D39	C239 C240			B22.3, H23.2, K67.2
STORAGE TANK, FIXED ROOF, NO. 415, 20000 GALS; DIAMETER: 12 FT; HEIGHT: 24 FT A/N: 556992 Permit to Construct Issued: DRAFT	D40	C239 C240			B22.3, H23.2, K67.2



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 6606, DISTILLATE, ASPHALT, WITH INTERNAL STEAM COILS, WITH A MIXER 6600 BBL; DIAMETER: 32FT ; HEIGHT: 48 FT WITH A/N: 556991 Permit to Construct Issued: DRAFT	D70	C203			C6.8, H23.2, K67.2
CONDENSER, PACKED, 55-GAL DRUM, WITH STEEL WOOL	C203	D70			D12.5, D322.1
STORAGE TANK, FIXED ROOF, STEAM HEATER, NO. 4208, WITH INTERNAL STEAM COILS, 4200 BBL; DIAMETER: 25 FT; HEIGHT: 48 FT A/N: 556995 Permit to Construct Issued: DRAFT	D71	C239 C240			C6.9, H23.2, K67.2
STORAGE TANK, FIXED ROOD, STEAM HEATED, NO. 1232, ASPHALT, WITH MIXER, 1200 BBL; DIAMETER: 15 FT; HEIGHT: 40 WITH A/N: 556990 Permit to Construct Issued: DRAFT	D127	C128			A63.1, C1.4, C6.2, E71.1, H23.1
CONDENSER, PACKED, 55-GAL DRUM, WITH STEEL WOOL	C128	D127			D12.2

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from the equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 0 Percent opacity

[40CFR 60, Subpart UU, 8-5-1983]

[Devices subject to this condition: D127]



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

B. Material/Fuel Type Limits

B22.3 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.5 psia or greater under actual operating conditions.

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

[Devices subject to this condition: D38, D39, D40]

C. Throughput or Operating Parameter Limits

C1.4 The operator shall limit the throughput to no more than 150000 barrels in any one year.

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

[Devices subject to this condition: D127]

C6.2 The operator shall use this equipment such that the temperature being monitored, as indicated below, does not exceed 450 Deg F.

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

[**RULE 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

C6.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 490 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the liquid stored in the storage tank.

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

[**RULE 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition: D70]



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SECTION H: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 249 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the liquid stored in the storage tank.

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

[RULE 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12, 1997]

[Devices subject to this condition: D71]

D. Monitoring/Testing Requirements

D12.2 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter. The operator shall determine and record the parameter being measured once per month.

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

[Devices subject to this condition: D127]

D12.5 The operator shall install and maintain a(n) pressure sensing device to accurately indicate the water level of the water seal in the drum condenser.

The continuous pressure monitoring shall include a low level alarm, which shall be set 20 inches water column.

If the pressure falls below 20 inches water column, the operator shall conduct a visual inspection and take necessary remedial action immediately to bring the pressure above 20 inches water column.

The operator shall maintain the tank vent line discharge no more than 17 inches from the bottom of the drum condenser.

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



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

[Devices subject to this condition: D70]

D322.1 The operator shall perform a weekly inspection of the drum condenser and filter, to assure that proper water level is maintained in the drum and the filter is in good operating condition.

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

[Devices subject to this condition: D70]

E. Equipment Operation/Construction Requirements

E71.1 The operator shall only use this equipment to store asphalt with a flash point not less than 475 deg. F.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 204, 10-8-1993**]

[Devices subject to this condition: D127]

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

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

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

[Devices subject to this condition: C239, C240]

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: C239, C240, C246, C247]



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

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

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 gasses are the off-gases from degassing unit C217, C218, and C219 when in standby-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

H23.1 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
PM	40CFR60, SUBPART	UU

[Rule 1149, 5-2-2008; RULE 463, 11-4-2011; 40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition: D127]

H23.2 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

[Rule 1149, 5-2-2008; RULE 463, 11-4-2011]

[Devices subject to this condition: D38, D39, D40, D70, D71]



**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:

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, 2-6-2009; 40CFR 60 Subpart GGGa, 6-2-2008]

[Devices subject to this condition: D244]

K. Recordkeeping/Reporting

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

Throughput and vapor pressure of stored liquid.

[RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 462, 11-4-2001]

[Devices subject to this condition: D38, D39, D40, D70, D71]