

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection

N609155731

FACILITY: Lambda Energy Resources, LLC - Chester 18		SRN / ID: N6091
LOCATION: 2998 Ranger Lake Rd, GAYLORD		DISTRICT: Gaylord
CITY: GAYLORD		COUNTY: OTSEGO
CONTACT:		ACTIVITY DATE: 10/08/2020
STAFF: Bill Rogers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Site inspection for FCE		
RESOLVED COMPLAINTS:		

On October 8, 2020, I inspected the Chester 18 CPF to determine compliance with Permit to Install 145-10.

See an activity report dated 10/7/2020 for a compliance review of records from this facility.

Permit 145-10 lists three emission units:

- EUDEHY, a glycol dehydrator processing Niagaran Zone gas.
- EUENGINE1, a 1000 hp Waukesha 5790GL lean burn engine with no add on control device
- EUENGINE2, a temporary engine which should no longer be present.

#### EUDEHY

Condition II.1 prohibits stripping gas. Lambda personnel report they don't use stripping gas.

Condition IV.1 requires a flash tank. Lambda personnel report they have a flash tank. However, the dehydrator is in a closed building and I did not feel safe accessing it, so I did not see it.

Condition VIII.1 sets stack exhaust dimensions as a maximum diameter of 4 inches at a minimum height of 19 feet. The burner stack appeared to meet these requirements. It is unobstructed vertically upward. The still vent was perhaps 1.5 or 2 inches diameter and perhaps 24 feet above ground level.

#### EUENGINE1

Condition II.1 prohibits burning sour gas. This facility handles sour gas. There is an iron sponge on site. Iron sponges are used to remove moderate amounts of hydrogen sulfide from natural gas, converting it from sour gas to sweet gas. It is therefore possible for the operator to comply with this permit condition because, even assuming there is no well with sweet gas available, they could use sweetened gas which had been treated through the iron sponge.

Several conditions refer to add on control devices. EUENGINE1 has never had one so these conditions are not applicable.

Condition VIII.1 sets stack conditions as a maximum diameter of 8 inches at a minimum height of 31.5 feet above ground level. The engine stack appears to comply with this condition.

#### EUENGINE2

There is no second engine. Therefore the temporary engine, EUENGINE2, was removed as required by permit.

#### COMMENTS

This facility has equipment on site to remove hydrogen sulfide. I would suggest extra caution in entering buildings because of this.

EUENGINE1 was running at the time of my inspection. There was no opacity in its exhaust.

This facility includes tank farm that contains 12 - 400 barrel oil field storage tanks and 6 oilfield storage tanks of a larger size, perhaps 600 barrels guessing by eye. Most of these are rusty and of those, many are marked as out of service; for the rest I could not read any labels. I believe 6 of the 400 barrel tanks are freshly painted and appear to be maintained for continued use. There is a building near the tanks with pipes leading to it; it may contain (or have contained) a VRU.

I saw five process heaters or heater treaters. They are large by local standards. Several are partially dismantled.

I didn't see any leaks or spills. I couldn't tell whether the glycol dehydrator was operating. I didn't detect any glycol odors. There was some natural gas odor around but I don't believe it was sour gas odor.

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

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