

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

N807565505

FACILITY: Lambda Energy Resources, LLC - 35-12 Unit		SRN / ID: N8075
LOCATION: 14696 M-65 South, LACHINE		DISTRICT: Gaylord
CITY: LACHINE		COUNTY: ALPENA
CONTACT:		ACTIVITY DATE: 11/21/2022
STAFF: David Bowman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled site inspection.		
RESOLVED COMPLAINTS:		

On 21 November 2022 I, David Bowman MI EGLE AQD, conducted a scheduled inspection of N8075 Lambda Energy Resources, LLC 35-12 located at 14696 M65, Lachine, MI, operating under the conditions of permit to install (PTI) 200-08A. The site is located on private property and the owner wants to ensure that the gates are locked at all times. This requires preplanning access with Lambda Energy. Kris McLain, Lambda Regulatory Analyst, passed along the contact information for Stan, the stie operator. I coordinated with Stan to get access for my inspection.

The site is located by traveling south on M65 from M32 intersection for approximately 15 miles. It is on the Western side of the road. The drive from the road to site is approximately 0.10 miles. The site was very clean, no odors and no spills detected. The temperature was approx. 32°F, winds 15 MPH from SW to NE, and there was approximately 8 inches of fresh snow on the ground.

There are two 400 bbl storage units onsite, one marked out of service and the other marked process water. There is a single building housing the glycol dehy and the compressor engine. On the west side of the building there are two large ~ 250-350 gallon storage tanks on stilts – one labeled Methyl Alcohol and the other not labeled. The western side of the building is also where the stacks for the glycol dehy and the compressor motor exit the building.

The PTI does not specify dimensions for the stack for the Glycol Dehy, but using the Nikkon Forestry Pro II the stack height is at least 20' above ground, approximately 6" diameter, and has a rain cap. Coming out of the roof were two other smaller diameter, approximately 2-4" diameter with rain cap and one had what appeared to be water vapor coming from it. There was no odor detectable at the site, but this was coming from the glycol dehy inside the building.

The compressor exhaust averaged 19.9' above ground, using the Nikkon Forestry Pro II, and was approximately 4" in diameter with no cap, but did have a piece of angle iron welded at the top of the opening for what appeared to be used for placing the stack using a boom. EUENGINE1 SC VIII Stack Height requirements require stack to be no more than 12" diameter and no less than 18' above ground.

EUENGINE1 SC IV Design/Equipment Parameters 2. Requires device to monitor the natural gas usage on the engine. There was a device present and it was operating at the time of inspection.


There are also devices monitoring the gas in from the fields and going back out to the sales line. All were operational and appeared to be in good shape.

Inside the building is very well maintained. There was no spills, trip hazards, etc. The engine present CAT 3406 with catalyst. The daily check sheet indicated no down time for the week of 14

Nov – 18 November. Daily checks were conducted and recorded. Recorded catalyst inlet and outlet temperatures are within those listed in the malfunction abatement plan.

On the east side of the engine are three 250-350 gallon containers. One red labeled waste oil is on the ground, and the two blue are on stilts – one labeled for low ash engine oil and the other labeled for R&O ISO 100

FGFACILITY SC II Material Limits 1. Requires the burning only of sweet gas. There was no smell of sulfur on the site and no indication that any fuel other than sweet gas is being used.

NAME 

DATE 2-13-23

SUPERVISOR 