

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

B601353430

FACILITY: Lambda Energy Resources LLC - Manistee Sulfur Plan		SRN / ID: B6013
LOCATION: 4000 Fisk Rd., MANISTEE		DISTRICT: Cadillac
CITY: MANISTEE		COUNTY: MANISTEE
CONTACT: Vicki Kniss , Environmental Affairs Manager		ACTIVITY DATE: 03/12/2020
STAFF: Kurt Childs	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SMOPT OUT
SUBJECT: 2020 FCE		
RESOLVED COMPLAINTS:		

B6013 Lambda Energy Resources Manistee 23

2020 Full Compliance Evaluation

I conducted an on-site inspection and records review of the Lambda Energy Resources Mayfield 23 facility to determine compliance with PTI 89-15A and the Air Pollution Control Rules. Prior to the inspection it had been noted through monthly reporting for this source, and upon notification from Lambda, that the Manistee 23 has been shut in indefinitely as of December 2019. As a result, the plant was vacant at the time of the inspection and the only equipment observed operating was a small diesel engine powered electrical generator. Lambda had previously notified the AQD of the placement of the generator in accordance with Rule 285(g).

At the time of the inspection the weather was overcast, 35 degrees F with light winds from the south. No personnel were present at the plant. I surveyed the plant for equipment on-site and observed the following:

- Power Generation building B-3. 5 engine/generators ;
 1. Waukesha 6 cyl engine, not operating
 2. Waukesha V-12 engine with catalyst, not operating but catalyst and Air/Fuel ratio controller panel was powered up.
 3. Waukesha V-12, engine disassembled.
 4. Waukesha V-12 with catalyst, not operating but catalyst and Air/Fuel ratio controller panel was powered up.
 5. Small generator with 4 cylinder diesel RICE "Grand Traverse Diesel Service". The engine was operating at the time of the inspection.
- Flare. No observable flame, no visible emissions.
- Dehy building B-1, not operating.
- Small Compressor Building, Upper Plant. Compressor driven by electric motor, not operating.
- Compressor Building Lower Plant. One compressor with electric motor, not operating, and one Waukesha V-12, no catalyst, Not operating.
- Four Heaters (lower plant), did not appear to be operating.
- Tank battery with six tanks and a VRU that did not appear to be operating.
- 2 portable flares connected to the well header, not operating.

Records provided prior to the inspection for 2019 Included visible emissions logs, maintenance logs, catalyst testing records and emission calculations. engine emissions, including the generator engines and heaters during the period the plant operated for most of 2019 averaged around 14 tpy NO_x, 18 tpy Co, 1 tpy VOC, and 1 tpy PM₁₀. The individual engine limits are around 11 tpy NO_x and 14 tpy CO.

Emissions calculations for the dehy were also provided and indicate VOC emissions were 18 pounds per day and 4 tons per year on a 12 month rolling average. VOC emission limits are 42.3 pounds per day and 7.72 tons per year.

Monthly reporting of mass flow of H₂S to the flare was reviewed as received.

Based on the records and reporting received during 2019 and the on-site inspection it appears the facility is currently in compliance with PTI 89-15A and the Air Pollution Control Rules.

NAME 

DATE

SUPERVISOR 