

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

N623453366

FACILITY: Lambda Energy Resources LLC - Mancelona B		SRN / ID: N6234
LOCATION: 11775 Sand Lake Rd, MANCELONA		DISTRICT: Cadillac
CITY: MANCELONA		COUNTY: ANTRIM
CONTACT: Vicki Kniss ,		ACTIVITY DATE: 04/16/2020
STAFF: Kurt Childs	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SMOPT OUT
SUBJECT: 2020 FCE.		
RESOLVED COMPLAINTS:		

2020 Full Compliance Evaluation: N6234 Lambda Mancelona 33(B) CPF, Antrim County

I conducted a Full Compliance Evaluation (FCE) of the Mancelona B to determine compliance with Permit to Install number 102-97A and the air pollution control Rules. I observed the site Prior to entering the facility, no odors were detected downwind and no visible emissions were present. AQD had previously received a complaint regarding visible emissions from this facility attributed to the Ajax compressor. At that time it was determined the engine needed service. The engine appeared to be operating properly at the time of this inspection. The weather was clear, 34 degrees F with wind from the west at 10 mph. At the time of the inspection the following equipment was observed on site:

- One blow down tank
- One Ajax two cylinder compressor engine with no control (Unit 622).
- Two heaters, neither of which appeared to be operating

A second compressor engine (EUENGINE2) was permitted under PTI 102-97A but has been recently removed. 2019 records show emissions from EUENGINE2. This site does not appear to have had a glycol dehydrator in the past and there was not one present at the time of the inspection.

FGENGINE

Emission Limits

SC 1.1(a. - d.)

Pollutant	ENGINE	Limit TPY	Calculated Emissions 12-mos Rolling
NOx	EUENGINE1	34	16
CO	EUENGINE1	20	1
NO	EUENGINE2	49.8	31
CO	EUENGINE2	20	2

Process/Operational

SC 1.2. Maintain Malfunction Abatement Plan. An approved MAP dated 8/12/08 is on file with the AQD District Office.

SC 1.3 and 1.4 Operation of engines equipped with a control device. Neither engine was equipped with a control device.

Testing.

SC 1.5. Testing to determine NOx and CO emissions and emission factors has not been requested.

Monitoring.

SC 1.6. A meter is installed that measures natural gas usage as required. Monthly records include natural gas usage.

Recordkeeping.

SC 1.7. Monthly calculations are required. Monthly emissions calculations are maintained and were made available, see attached sample.

SC 1.8. Maintenance records are on file and 2019 maintenance records were provided.

SC 1.9. Records of operation without control. Not applicable.


SC 1.10. Fuel use records. Monthly fuel usage is maintained and available on the monthly emission calculation records.

SC 1.11 and 1.12. Maintain monthly NOx and CO emission calculation records. As indicated above, these records are maintained and were provided upon request.

SC 1.13 (a and b). Stack parameters for EUENGINE1 appeared to be accurate, EUENGINE2 has been removed.

The 2019 MAERS report was submitted on time and indicates total Annual source emissions of CO = 4 tons, NOx = 42 tons (both engines operated most emissions from EUENGINE2).

As a result of this Full Compliance Review, it appears this source is currently in compliance with PTI 102-97A and the Air Pollution Control Rules.

NAME 

DATE 4-16-20

SUPERVISOR 