

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

N821673867

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|--|--------------------------------------|----------------------------------|
| FACILITY: Riverside Energy Michigan, LLC - Unit 154 Booster | | SRN / ID: N8216 |
| LOCATION: NW 1/4 NW 1/4 SEC 23 T29N R03E, LOUD TWP | | DISTRICT: Gaylord |
| CITY: LOUD TWP | | COUNTY: MONTMORENCY |
| CONTACT: Natile Schrader , Compliance Coordinator | | ACTIVITY DATE: 08/08/2024 |
| STAFF: Becky Radulski | COMPLIANCE STATUS: Compliance | SOURCE CLASS: MINOR |
| SUBJECT: FY24 inspection and records review | | |
| RESOLVED COMPLAINTS: | | |

On August 8, 2024, AQD Staff traveled to N8216 Riverside Unit 154 Booster to conduct an inspection to determine compliance with permit to install 399-08. This is a minor permit.

LOCATION

The facility is located in NW/4, NW/4, Section 23, T29N R3E, Loud Township, Montmorency County, Michigan. To reach the facility, travel approximately 1 mile west of M33 on County Road 612. The facility will be on the south side of the road. It is in a wooded area but visible from the road.

REGULATORY DISCUSSION

PTI 399-08 was issued on 2/9/09 and is currently active. The permit is for one engine noted as EUENGINE1.

EUENGINE1 is subject to the RICE MACT, 40 CFR Part 63, Subpart ZZZZ.

INSPECTION NOTES

During the inspection, the sky was partly cloudy, 70 degrees Fahrenheit, with a slight breeze of approximately 5-10 mph out of the southwest. The engine was operating during the inspection with no odors or visible emissions observed.

The facility consists of a building containing a Caterpillar 3408 TA 400 hp compressor engine (Unit #154).

The engine was operating at 74 PSI oil pressure, 1640 RPM. There was no catalyst present.

RECORDS REVIEW

EUENGINE

Emission Limits – the nitrogen oxides (NOx) and carbon monoxide (CO) emissions are limited in the permit. The facility provided records demonstrating compliance with the permitted limits:

| Pollutant | Permitted Limit (tpy) | Reported Emissions (tpy, monthly) | Reported Emissions (tpy, 12 month rolling) |
|-----------|-----------------------|-----------------------------------|--|
| NOx | 83 | 6.12 | 70.71 |
| CO | 7 | 0.45 | 5.14 |

Records are as of July 2024. Records provided demonstrate compliance with permitted requirements.

Material Limits – the facility shall not burn sour gas. The facility provided records reporting that the gas is not sour, with 0 H₂S.

Process/Operational Restrictions – the facility was required to submit a Preventative maintenance / malfunction abatement plan (PM/MAP) and has an approved plan on file. The facility submitted records to meet the requirements of the PM/MAP. These records include engine maintenance and downtime and emission testing results. No issues were noted in review of the records.

Testing/Sampling – testing is only required upon AQD request, of which no request was made. The facility did however provide data from an emissions analyst.

Monitoring/Recordkeeping – the facility is required to monitor and record natural gas usage, PM/MAP records, catalyst information, and NOx and CO calculations. These records have been received by AQD and no issues found. Each of these parameters was discussed above except for natural gas. Those records indicate approximately 1.6 MMCF of natural gas are used per month.

Stack/Vent Restrictions – the stack is required to have a maximum of 16 inches diameter and a minimum height of 37 feet above ground. Based on engineering judgement, the stack meets these requirements.

COMPLIANCE DETERMINATION

Based on the scheduled inspection and records review, N8216 Riverside Unit 154 Booster was in compliance with the requirements of PTI 399-08.

NAME Becky Radulski

DATE 11-8-24

SUPERVISOR Shane Nixon