

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

N821773866

FACILITY: Riverside Energy Michigan, LLC - Unit 179 Booster		SRN / ID: N8217
LOCATION: SW 1/4 NW 1/4 SEC 34 T30N R02E, BRILEY TWP		DISTRICT: Gaylord
CITY: BRILEY TWP		COUNTY: MONTMORENCY
CONTACT: Natalie 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 N8217 Riverside Unit 179 Booster to conduct an inspection to determine compliance with permit to install 394-08. This is a minor permit.

LOCATION

The facility is located in SW/4 NW/4 Section 34, T30N R2E, South Briley Township, Montmorency County, Michigan. To reach the facility from Atlanta, travel south on Main Street/County Rd 487, turn west on Lake 15 Rd, south on County Rd 489. Travel approximately 5 miles staying on County Rd 489 through its turns. The site will be just east of County Rd 489/Shoreline Dr on Hillside Trail. GPS coordinates noted in file are 44.951669, -84.192001.

REGULATORY DISCUSSION

PTI 394-08 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, 65 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 3406 hp com TA 325 hp compressor engine (Unit #179).

The engine was operating at 53 PSI oil pressure, 1091 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	68	3.7	39.22
CO	6	0.26	2.92

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 1.2 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 36 feet above ground. Based on engineering judgement, the stack meets these requirements.

COMPLIANCE DETERMINATION

Based on the scheduled inspection and records review, N8217 Riverside Unit 179 Booster was in compliance with the requirements of PTI 394-08.

NAME Becky Radubki

DATE 11-8-24

SUPERVISOR Shane Noxon