

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

P131573852

FACILITY: RIVERSIDE - WILDCARD - NORTH HARDWOOD BOOSTER		SRN / ID: P1315
LOCATION: E1/2, NE1/4, NW1/4, Sec. 2, T29N-R3E, ATLANTA		DISTRICT: Gaylord
CITY: ATLANTA		COUNTY: MONTMORENCY
CONTACT: Natalie Schraeder ,		ACTIVITY DATE: 08/07/2024
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Inspection and Records Review		
RESOLVED COMPLAINTS:		

On August 7, 2024, AQD Staff traveled to P1315 Riverside North Hardwood Booster to conduct an inspection to determine compliance with permit to install 137-22. This is an opt out permit.

LOCATION

The facility is located in the SE1/4, NE1/4, Section 9, T29N, R3E, Loud Township, Atlanta, Montmorency County, Atlanta, Michigan. The entrance to the facility is located on the south side of Schmaller's Road, approximately ½ mile west of M33.

REGULATORY DISCUSSION

PTI 137-22 was issued on 10/20/22 and is currently active. The permit is for one engine noted as EUENGINE1. EUENGINE1 is described in the permit as a natural gas fired reciprocating Caterpillar 3406 TA 292 hp compressor engine with a 3-way catalyst.

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

INSPECTION NOTES

During the inspection, the sky was partly cloudy, 72 degrees Fahrenheit, with a slight breeze of approximately 5 mph out of the southeast. The engine was operating during the inspection with no odors or visible emissions observed. The facility entrance is identified with a sign indicating source name, location and emergency contact information.

The facility consists of a building containing a Caterpillar 3406 TA 292 hp compressor engine, with catalyst. A small lined tank farm with 2 tanks less than 400 barrels were noted, located on the north side of the building. There was no glycol dehydrator observed.

The engine was operating at 60 PSI oil pressure, 1455 RPM. The catalyst inlet and outlet temperatures were noted as 989 and 1008 degrees Fahrenheit, respectively.

RECORDS REVIEW

EUENGINE1

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	5	0.12	1.58
CO	10	0.27	3.61

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

Material Limits – none

Process/Operational Restrictions – the facility was required to submit a Preventative maintenance / malfunction abatement plan (PM/MAP). The plan was received by AQD on 10/26/22, and an approval letter was sent by AQD on 10/28/22. The facility submitted records to meet the requirements of the PM/MAP. These records include engine and catalyst maintenance and downtime and emission testing results. No issues were noted in review of the records. The catalyst inlet and outlet temperatures meet the conditions of the PM/MAP, being within the range and showing a heat increase across the catalyst.

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 2000 mcf of natural gas are used per month.

Stack/Vent Restrictions – the stack is required to have a maximum of 12 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, P1315 Riverside North Hardwood Booster was in compliance with the requirements of PTI 137-22

NAME Becky Radulski

DATE 11-8-24

SUPERVISOR Shane Nixon