

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

N706564877

FACILITY: RIVERSIDE - NADV 1-2-3 CPF	SRN / ID: N7065
LOCATION: SEC 8 T30N R4W SE NW SW, GAYLORD	DISTRICT: Gaylord
CITY: GAYLORD	COUNTY: OTSEGO
CONTACT: CAROLANN KNAPP , ENVIRONMENTAL SPECIALIST	ACTIVITY DATE: 04/18/2022
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance
SUBJECT: FY22 scheduled inspection and records review	SOURCE CLASS: SM OPT OUT
RESOLVED COMPLAINTS:	

AQD Staff traveled to N7065 Riverside NADV 1-2-3 CPF located in Hayes Township, Otsego County for a Full Compliance Evaluation (FCE) scheduled inspection to determine compliance with PTI 2-02B. This is an opt out permit.

The NADV 1-2-3 CPF is a natural gas production facility. It processes natural gas from Antrim wells to dehydrate and compress the gas prior to pipeline transport. The facility currently operates 2 compressor engines, a glycol dehydration system and storage tanks.

LOCATION

The facility is located on the east side of Thumm Road, approximately ¾ miles south of Van Tyle Road. The facility is located approximately ¼ mile east of Thumm Road via a dirt road access.

REGULATORY DISCUSSION

PTI 2-02B was issued 5/16/17 and remains active. The permit is for a dehydration system, engine and methanol storage equipment.

The facility is not major for HAPS.

The engines are subject to 40 CFR Part 63, Subpart ZZZZ, which has not been delegated to EGLE.

The dehydration system is subject to 40 CFR Part 63, Subpart HH, which has not been delegated to EGLE.

INSPECTION NOTES

The facility consists of a large white building containing a compressor engine (EUENGINE2, Caterpillar 399TA) and glycol dehydration system. There are also two storage tanks located inside bermed containment areas.

The compressor engine was operating during the inspection. No visible emissions or odors were noted. The compressor was labeled on the maintenance clipboard as

a Caterpillar 399TA Unit 759. The engine is equipped with a catalytic convertor. The engine was operating at 1100 RPMs, engine oil pressure of 55 psi, and catalytic convertor inlet and outlet temperatures of 1005 and 1071 degrees Fahrenheit, respectively. The exhaust stack discharged vertically and based on a visual estimated, appeared to meet the height and diameter restrictions in the permit (minimum 45 feet high, maximum 16 inch diameter).

There are two lined containment areas onsite. To the east of the compressor building is a small lined containment berm with an approximate 300 barrel tank. West of the compressor building is a larger lined berm containing an approximate 400 barrel tank. Neither tank was labeled.

The glycol dehydrator was located in the west end of the building. No visible emissions or odors were noted.

RECORDS REVIEW

EUENGINE2

SC III.1 requires a MAP. An approved MAP is on file. Records are maintained and provided as requested.

SC IV.1, VI.2, VI.3 require the facility to track engine use without control and limit to under 200 hours. Records were provided, the engine was not operated without control.

SC V.1 requires testing at AQD's request. AQD has not made a request to test at this time.

SC VI.2 allows engine switch out for equivalent emitting engines with notification to AQD.

SC VI.4 require fuel use to be maintained. Fuel use for past 12 months was 36.0 MMCF.

SC VIII.1 requires the stack to be a minimum of 45 feet above ground and maximum of 16 inches diameter. Based on visual estimates, the stack appears to meet these requirements.

FGFACILITY

SC I.1 limits the nitrogen oxides (NOx) at the facility to 39 tpy. Emissions were reported as 1.3 tpy in past 12 months.

MAERS

MAERS was reviewed and comments noted in the MAERS system.

MACES

MACES was reviewed and updated as needed.

COMPLIANCE DETERMINATION

Based on the site inspection and records review, N7065 Riverside NADV 1-2-3 CPF appears to be in compliance with the requirements of PTI 2-02B.

NAME Becky Radwick

DATE 12-2-22

SUPERVISOR Shane Nixon