

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

N674464869

FACILITY: RIVERSIDE - FONTINALIS 25		SRN / ID: N6744
LOCATION: SW/4, NE/4, SEC 25 CORWITH TWP, VANDERBILT		DISTRICT: Gaylord
CITY: VANDERBILT		COUNTY: OTSEGO
CONTACT: Natalie Schrader , Environmental Specialist		ACTIVITY DATE: 01/04/2022
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: FY22 scheduled inspection and records review		
RESOLVED COMPLAINTS:		

AQD Staff traveled to N6744 Riverside Fontinalis 25 CPF located in Corwith Township, Otsego County for a Full Compliance Evaluation (FCE) scheduled inspection to determine compliance with PTI 1-00E. This is an opt out permit.

The Fontinalis 25 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 dehy system and storage tanks.

LOCATION

The facility is located on the west side of Cherwinsky Road, just south of Sturgeon Road, approximately 2 miles east of Vanderbilt. The facility is gated and located approximately 1/2 mile west of Cherwinsky. The gate was unlocked at the time of the inspection.

REGULATORY DISCUSSION

PTI 1-00 issued 4/28/2000, VOIDED 12/13/2000 3 engines.

PTI 1-00A issued 12/13/2000, VOIDED 9/5/2001 added 4th engine.

PTI 1-00B issued 9/5/2001, VOIDED 10/3/2005 changed 4th engine to a rich burn with catalytic converter.

PTI 1-00C issued 10/3/2005, VOIDED 6/24/2008 add condition allowing for engine switch out of equal or lesser emitting; FGFACILITY CO and NOx both over 100 tons. This PTI was not marked as VOID in permit cards and is shown as an active permit. Lansing was contacted, Sue Thelen has updated permit cards to reflect the void date of 6/24/2008, as the equipment at the facility is now covered by PTI 1-00D.

PTI 1-00D permitted 6/24/2008, VOIDED 7/31/17. Revised to opt out of ROP. Remains 4 engines, must monitor RPM daily (SC1.13); Emission factors resort to worse case (75% load factors) if the load through the engines goes below 80%. NOx and CO for FGFACILITY are each 99.9 tpy.

PTI 1-00E issued 7/31/17 and is still active. The permit was revised to only include 2 engines.

This permit contains SC VII.2, which allows for the replacement of the existing engine with one of equivalent or lower emissions without a permit modification. The facility must notify and provide calculations to AQD to demonstrate emissions are no higher

**Engine Oil
Temperature 213 F**

Glycol Dehydrator – There is no table in the PTI for the dehy. The unit was operating, there was steam, no odor detected. There are 3 small tanks located inside containment on the east side of the dehy building. The tanks contained methanol, sulfa clear and corrosion inhibitor.

Tank Farm – There are 4 tanks located in a black lined and bermed containment area on the east end of the open area. The tanks appear to be 400 bbl, and are not labeled. The permit application indicates they are brine storage.

Based on visual estimates, the stack heights for EUEGINE1 and EUENGINE2 meet height and diameter requirements (16 inch maximum diameter, 40 feet minimum height). The engines are loud, even though exhaust for each engine is equipped with a silencer and muffler. The CPF does not have close neighbors, no noise complaints have been entered in the file.

MAERS

The 2021 emissions was reviewed, no concerns noted.

MACES

MACES was reviewed.

RECORDS REVIEW

SC 1.1, 1.2, 1.3, 1.4, VII.5, VII.6 limits CO and NOx for each as follows:

	CO LIMIT(TPY, 12 MONTH ROLLING)	NOX LIMIT (TPY, 12 MONTH ROLLING)	CO REPORTED (TPY, 12 MONTH ROLLING)	NOX REPORTED (TPY, 12 MONTH ROLLING)
EUENGINE1	32.8	45.3	2.5	2.7
EUENGINE2	32.8	45.3	15.9	16.8

SC III.1, VII.2 - requires the facility to submit and maintain a Malfunction Abatement Plan (MAP). The facility has an approved MAP on file. An operator is on site daily. The operator's maintenance chart was reviewed on site for each engine. The two engines are lean burn engines with no add on control. Records were requested and reviewed. No issues.

SC III.2, IV.1, VII.3 – requires the engines to not operate without the control device if equipped with one. Neither engine has add on control so this condition does not apply.

SC V.1 requires NOx and CO testing if requested by AQD. Testing is not being requested at this time.

SC VII.4 requires fuel use to be monitored and recorded monthly. Fuel use for ENGINE1 was 9.119 MMCF and 56.969 MMCF for ENGINE2.

SC VIII.1 and 2 require the stacks to have a maximum diameter of 16 inches, and a minimum height of 40 feet. Based on observations during the inspection, the stacks

COMPLIANCE DETERMINATION

Based on the site inspection and records review, N6744 Riverside Fontinalis 25 CPF appears to be in compliance with PTI 1-00E.

NAME Bobby Kaduski

DATE 7-6-23

SUPERVISOR Shane Nixon