

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N756053167

FACILITY: RIVERSIDE - MOSSBACK CPF		SRN / ID: N7560
LOCATION: SE4 SE4 SW4 SECTION 2 T31N R3W, LIVNGSTON TWP		DISTRICT: Gaylord
CITY: LIVNGSTON TWP		COUNTY: OTSEGO
CONTACT:		ACTIVITY DATE: 03/23/2020
STAFF: Bill Rogers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Field inspection for FCE		
RESOLVED COMPLAINTS:		

On Monday, March 23, 2020, I inspected the Riverside Energy Michigan LLC Mossback CPF. I did not find any violations during my inspection.

This facility is covered by Permit to Install No. 348-05, issued March 28, 2006.

Permit 348-05, Special Condition 1.4, requires that for any engine equipped with an add on control device, that device must be installed and operating properly. The engine at this facility has a catalytic oxidizer. The catalytic oxidizer appeared to be installed properly at the time of my inspection. There was a temperature display for the catalytic oxidizer which said the inlet temperature was 940 degrees f and the outlet was 1019 degrees f. The rise in temperature across the catalytic oxidizer suggests that it is burning contaminants out of the exhaust stream, which in turn suggests that it is operating properly.

Condition 1.13a sets stack dimensions for the engine exhaust stack as a maximum diameter of 16 inches and a minimum height above ground of 37.5 feet. The stack appeared to comply with these requirements.

COMMENTS

The facility is located between Gaylord and Vanderbilt. It is about a mile east of the intersection of Old 27 and Mateski Road. The approach is not immediately obvious. Go east on Mateski Road to Nowak Road. Go north about 600 feet, which takes you past a driveway which looks as if it might go directly to the facility. The actual road to the facility goes back along the north edge of a field; about 1000 feet in, turn south. As the distance from the public road is at least moderate I would advise carrying a key to Riverside's gate lock, in case the gate is closed.

The access road doesn't present any unusual difficulty.

The facility includes one Caterpillar natural gas-fired engine driving a compressor. It also contains a glycol dehydrator.

The glycol dehydrator is equipped with a Wenco flame arrested burner. According to its builder's plate it has a capacity of 200,000 BTU per hour. The builder's plate on the glycol reboiler itself was difficult for me to read but appeared to say the unit was built in 1996.

The burner stack appeared to be about 26 feet high with a diameter of 6 inches. I did not see where the still vent was. I did smell a slight glycol odor.

The engine is a Caterpillar natural gas fired engine with catalytic oxidizer. According to the engine's digital display it was running at 1056 RPM. The display was not cycling through the various fields as they usually do, so I didn't get any other readings from it. I did find a display for catalyst temperatures. This is where I got the temperature values cited above; inlet 940 f, outlet 1019f.

The engine is identified with "785" in metal characters welded to the engine skid.

Tanks on site included:

Two 400 barrel tanks probably brine tanks, inside a lined berm.

Two 300 gallon drum on stilt tanks, over a wooden berm structure, near the glycol dehydrator. They were covered by a tarp so I couldn't see any labels which might have identified their content. When there are two tanks near a dehy they are usually triethylene glycol and methanol.

Two 300 gallon drum on stilt tanks, over the bermed area around the engine inside the engine shed. One was Chevron HDAX low ash gas engine oil and the other Chevron Regal ISO 100 AIO oil.

Maintenance appeared adequate. I didn't see any leaks or spills. I didn't see any stained soils which would have indicated leaks or spills in the past. No equipment on site had any opacity that I could see. I smelled a mild glycol odor near the glycol dehydrator, but nothing else.

NAME _____

DATE _____

SUPERVISOR _____

William Rogers

Digitally signed by William Rogers
Date: 2020.04.07 14:12:55 -04'00'

Shane Nixon

Digitally signed by Shane Nixon
Date: 2020.04.07 14:13:36 -04'00'