

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

N753253251

FACILITY: RIVERSIDE - HEAD START CPF		SRN / ID: N7532
LOCATION: T30N R5E SEC 9, FLANDERS		DISTRICT: Gaylord
CITY: FLANDERS		COUNTY: ALPENA
CONTACT:		ACTIVITY DATE: 02/27/2020
STAFF: Bill Rogers	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Field inspection for FCE		
RESOLVED COMPLAINTS:		

On March 27, 2020, I inspected the Riverside Head Start Facility. I did not find any violations during my inspection.

The facility is covered by Permit to Install 239-05, issued March 30, 2006.

Permit 239-05, Special Condition 1.4, requires that an add on control device be installed and operating properly, if the engine is equipped with one. The engine is not equipped with one, so this condition is not applicable.

Condition 1.13 sets engine stack dimensions as a maximum diameter of 16 inches and a minimum height above ground of 36 feet. The engine stack appears to meet these requirements.

Condition 2.2 prohibits burning sour gas at the facility. I did not see or smell anything that would lead me to believe that sour gas is being burned there.

COMMENTS

This facility is located perhaps half a mile beyond a locked gate. It would therefore be useful to ask the operator for a key before trying to inspect.

The compressor shed has two facility name signs. It is labeled as both the Head Start CPF and the Miller Time CPF. Both signs give Riverside as the owner and the location as SW SE SW Section 9, T30N R05E, Green Township, Alpena County. The emergency number given is 989-705-7665.

The facility contains one Caterpillar natural gas-fired compressor engine with no catalytic oxidizer. The exhaust from the engine exits through the side wall of the shed to a horizontal muffler. Beyond the muffler the stack goes vertical. I paced the stack's shadow and compared the length of that shadow with the length of my own, in order to estimate the stack height. It appeared to be about 40 to 42 feet or so, which would comply with the permit condition. The stack exhausts unobstructed vertically upward. There was no opacity in the engine exhaust.

The engine was running at 1118 RPM according to its digital display. Unlike most facilities that have them, the display was not cycling through other engine readings, so I was not able to record oil pressure, coolant temperature, and so on. There was a warning light flashing on the control box. Although there was no unusual noise, vibration, or odor, this concerned me and I didn't stay near the engine longer than I had to.

The facility includes a glycol dehydrator. The burner appeared to be about the same size as usual for facilities in this area, which would mean its heat input might be 125,000 to 200,000 BTU per hour. The burner stack as about 6 inches diameter exhausting unobstructed vertically upward about 20 feet above ground level. The still vent was a pipe of about 2 inches diameter, exhausting about 20 feet above ground level through a T-shaped fitting. There was visible "steam" in the still vent exhaust and no opacity from the burner exhaust. There were slight glycol odors near the dehy.

Storage tanks on site included:

Two 400 barrel oil field tanks, inside a lined berm, probably brine tanks. One was labeled Not In Service. The other was labeled Non Potable Water- Liquid Industrial Waste. There was a salt water disposal well near these tanks. It was labeled as the Fletcher D2-9 SWD, Green Twp, Alpena Co., Permit 49733.

Inside the compressor shed, two 300 gallon drum on stilts tanks. One labeled as Chevron Regal ISO 100 oil and the other as Chevron HDAX low ash gas engine oil.

Near the radiator end of the engine, outside the shed wall under a roof overhang, on the south side of the shed there was a 300 gallon drum on stilts tank over a wooden berm structure. It was labeled as methanol. In a similar position on the north side of the shed there was an unlabeled oval metal tank which was probably engine coolant.

Near the dehydrator, one 300 gallon drum on stilts tank over a wooden berm structure. This tank was tarped so I couldn't read any label it may have. It would be typical for a tank in this position to contain triethylene glycol.

Maintenance appeared adequate. I didn't see any opacity. I didn't encounter any unusual odors. I didn't see any leaks or spills, or stained soils which would indicate there had been any in the recent past.

NAME _____

DATE _____

SUPERVISOR _____