

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

N770647329

FACILITY: RIVERSIDE - CHESTONIA 31 CPF		SRN / ID: N7706
LOCATION: NW4 NE4 SEC 31 T30N R6W, CHESTONIA TWP		DISTRICT: Cadillac
CITY: CHESTONIA TWP		COUNTY: ANTRIM
CONTACT: Natalie Schrader ,		ACTIVITY DATE: 12/04/2018
STAFF: Rob Dickman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection of this opt out source.		
RESOLVED COMPLAINTS:		

Performed the onsite portion of the inspection for this facility. The inspection was performed per Permit to Install 20-07D. Review of records for this facility was performed and documented on 12/13/18. No odors or visible emissions were noted on site during the inspection. An inventory of pertinent equipment is as follows:

One Caterpillar 3516LE, Unit 34  
One Caterpillar 3516LE, Unit 988  
One glycol dehy

Unit 34 is a Caterpillar model 3516LE lean burn engine. This engine has catalytic control. Engine parameters recorded on site include:

Coolant temperature – 195 degrees  
Oil pressure – 51 pounds  
RPM – 1158  
Catalyst temperature in – 771 degrees  
Catalyst temperature out – 759 degrees

These parameters appear consistent with the daily operation parameters taken on site. This engine has not been swapped out since the previous inspection in 2014. There is a device installed to measure natural gas flow to this engine. The stack for this engine is to have a maximum diameter of 8 inches and a minimum height of 37.5 feet. It appears to be in compliance with these parameters. Verification of Nitrogen Oxides (NOx) and Carbon Monoxide (CO) emissions from this engine has not been requested by the AQD and is not recommended at this time.

Unit 988 is a Caterpillar model 3516LE lean burn engine. This engine has catalytic control. Engine parameters recorded on site include:

Coolant temperature – 200 degrees  
Oil pressure – 65 pounds  
RPM – 1128  
Catalyst temperature in – 777 degrees  
Catalyst temperature out – 764 degrees

These parameters appear consistent with the daily operation parameters taken on site. This engine has not been swapped out since the previous inspection in 2014. There is a device installed to measure natural gas flow to this engine. The stack for this engine is to have a maximum diameter of 8 inches and a minimum height of 37.5 feet. It appears to be in compliance with these parameters. Verification of Nitrogen Oxides (NOx) and Carbon Monoxide (CO) emissions from this engine has not been requested by the AQD and is not recommended at this time.

There is a glycol dehydrator on site. It is required to be in compliance with 40 CFR 63 Subpart HH. Currently, the AQD has not taken compliance and enforcement authority of this regulation. Therefore, this dehy was not evaluated for compliance purposes with respect to the air permit.

The wells feeding this facility pull from Antrim formations only, therefore, only sweet natural gas is combusted at this facility. The AQD can request sulfur content verification from the facility, however, no request has been made and is not recommended.

**At the time of this inspection, this facility appeared in compliance with applicable air permitting.**

NAME 

DATE 12/18/18

SUPERVISOR 