

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

P002347277

FACILITY: RIVERSIDE - ECHO 10 CPF		SRN / ID: P0023
LOCATION: Echo Twp SE NW SW Sec 14, CENTRAL LAKE		DISTRICT: Cadillac
CITY: CENTRAL LAKE		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 289-09. 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 1005
One Caterpillar 3516LE, Unit 1712
One glycol dehy

Unit 1005 is a Caterpillar model 3516LE lean burn engine. This engine has catalytic control. Engine parameters recorded on site include:

Coolant temperature – 204 degrees
Oil pressure – 57 pounds
RPM – 1190
Catalyst temperature in – 815 degrees
Catalyst temperature out – 783 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 12 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 1712 is a Caterpillar model 3516LE lean burn engine. This engine has catalytic control. Engine parameters recorded on site include:


Coolant temperature – 202 degrees
Oil pressure – 55 pounds
RPM – 1234
Catalyst temperature in – 892 degrees
Catalyst temperature out – 804 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 12 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.

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 12/14/18

SUPERVISOR SN