

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

N644651341

FACILITY: Enervest - SCV		SRN / ID: N6446
LOCATION: T29N-R2W, Section 15, CHESTER TWP		DISTRICT: Cadillac
CITY: CHESTER TWP		COUNTY: OTSEGO
CONTACT: Chris Veazey, Environmental Manager		ACTIVITY DATE: 10/10/2019
STAFF: Rob Dickman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection of this opt out source.		
RESOLVED COMPLAINTS:		

Inspected this opt out source for compliance with Air Pollution Control Rules and Permit to Install Number 48-05A. No odors were noted at the facility. An inventory of equipment on site is as follows:

- One V-16 Caterpillar 3516 engine, no control, Unit NGCS20, EU-SCV-ENGINE
- One 400 bbl, one 200 bbl, and one 100 bbl storage tanks with containment (exempt under Rule 284(2)(e))
- One glycol dehy pulling from Antrim formations (exempt under Rule 288(2)(b)(ii))

Engine parameters taken on site are listed below and are comparable with daily records reviewed on site.

- Oil Pressure – 67 psi
- Water Temperature – 178 deg F
- RPM - 1230

Following are the remaining findings of the inspection:

EU-SCV-ENGINE - V-16 Caterpillar 3516 engine with no control. Unit NGCS20

Process and Operational Restrictions

The engine is required to have an approved Malfunction Abatement Plan (MAP). The latest version of the MAP was submitted on March 17, 2008 and was approved on June 5, 2008. The engine is also not allowed to operate without an add-on control device for more than 200 hours per year. This engine does not have an add on control device.

Testing

Nitrogen Oxides (NOx) emissions are determined using engine specific emission factors. No NOx testing has been completed by the facility.

Monitoring

A device to measure natural gas usage for each engine is installed and appeared to be operating. Records of fuel usage are kept monthly. The highest reported usage in the last 12 months was in August of 2018 at 5,335 mscf.

Recordkeeping/Reporting/Notification

A log of all maintenance activities is required to be kept. Records provided by the facility from August of 2018 to August 2019 indicate these records are being kept. A sample of these records is attached to this report.

Stack/Vent Restrictions

EU-SCV-ENGINE is limited to a maximum stack dimension of 10 inches and a minimum height of 34 feet. The stack appears to be in compliance with these parameters.

There is no emission, material, equipment, or “other” permitted restrictions associated with this engine.

FGFACILITY**Emission Limits**

Nitrogen oxides (NOx) emissions for the facility are limited to 89 tons per year (tpy) based on a 12-month rolling time period as determined at the end of each calendar month. Records provided by the facility from August of 2018 to August 2019 indicate the highest NOx emissions were in August of 2018 at 12 tpy based on a 12-month rolling time period as determined at the end of each calendar month.

Material Limits

The facility is allowed to only burn sweet natural gas at the facility. The method of compliance for this listed in the permit is for the AQD to request testing of the gas. However, the request for records included a request for a statement regarding the hydrogen sulfide content of the gas. This statement indicates that the gas used at the facility is pulled from the Antrim formation and is therefore sweet natural gas. No request to test the gas has been issued and is not recommended at this time.

Testing or Sampling

Testing may be requested for hydrogen sulfide content of the natural gas. No request to test the gas has been issued and is not recommended at this time.

Recordkeeping / Reporting / Notification

The facility is required to keep monthly and 12-month rolling time period records of NOx emissions. These records are being kept and emission rates for NOx are listed in the Emission Limits section above. NOx is calculated using natural gas usage records, which are also being kept.

No facility wide Reporting, Stack/Vent Restrictions, or Other Requirements are listed in the permit. At the time of the inspection, this facility was in compliance with their applicable permitting.

NAME



DATE

11/13/19

SUPERVISOR

