

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

N643156214

FACILITY: VCP Michigan - ASE 6		SRN / ID: N6431
LOCATION: T30N-R2W, Section 32, CHESTER TWP		DISTRICT: Cadillac
CITY: CHESTER TWP		COUNTY: OTSEGO
CONTACT:		ACTIVITY DATE: 10/21/2020
STAFF: Rob Dickman	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection of this opt out source.		
RESOLVED COMPLAINTS:		

Performed an inspection at this facility per Permit to Install 320-05. Following is a list of pertinent equipment on site:

EUENGINE - CAT 3512 natural gas fired reciprocating engine, uncontrolled. Skid Number NGCS 065. Instant parameters recorded on this engine were:

RPM – 946

Oil Pressure – 74 psi

Water Temperature – 167 degrees F

One small glycol dehydrator

One 200-barrel AST

Following are the findings of this inspection:

EU-ASE-6-ENGINE

Emission Limits

There are no specific emission limits for this engine, therefore, this section is not applicable

Material Limits

There are no specific material limits for this engine, therefore, this section is not applicable

Process or Operational Restrictions

A Malfunction Abatement Plan is required for this engine. The most recent version of the MAP for this facility is dated March of 2008.

Design or Equipment Parameters

There are no applicable Design or Equipment Parameters, therefore this section is not applicable.

Testing or Sampling

If requested by the AQD, testing to verify NOx emissions is to be performed. This testing has not been requested at this time and is not recommended.

Monitoring and Recordkeeping

Continuous monitoring and recording of natural gas usage is required. Records provided by the facility for the period of August 2019 through August of 2020 indicate these records are being kept. A sample of these records is attached to this report.

A log of all maintenance and repairs to the engine is to be maintained. Records provided by the facility for the period of August 2019 through August of 2020 indicate these records are being kept. A sample of these records is attached to this report.

Reporting

There are no reporting requirements, therefore this section is not applicable.

Stack Restrictions

Stack maximum diameter and minimum height above ground restrictions for each engine appear to be compliant and do not appear to have been recently modified.

Other Requirements

There are no other requirements, therefore this section is not applicable.

FGFACILITY

Emission Limits

Nitrogen Oxide (NOx) emissions from the facility are limited to 89 tons per year based on a 12-month rolling time period as determined at the end of each calendar month. Compliance with these limits is through monthly calculations based on production and engine emission factors. Records of these calculations were provided by the facility for the time period of August 2019 to August 2020. The highest calculated emissions for this time period were 12.47 tons for the month of August 2019.

Material Limits

A statement that the facility only burns sweet natural gas at the facility was requested. The facility response was that all of the wells feeding this facility are producing from the Antrim formation and therefore, natural gas feeding this facility is considered sweet.

Process or Operational Restrictions

There are no applicable Process or Operational Restrictions, therefore this section is not applicable.

Design or Equipment Parameters

There are no applicable Design or Equipment Parameters, therefore this section is not applicable.

Testing or Sampling

If requested by the AQD, testing to verify hydrogen sulfide content is to be performed. This testing has not been requested at this time and is not recommended.

Monitoring and Recordkeeping

The facility is required to calculate NOx emissions monthly and on a 12-month rolling time period basis to demonstrate compliance with emissions limits. Records provided by the facility for the period of August 2019 through August of 2020 indicate these records are being kept. A sample of these records is attached to this report.

Reporting

There are no reporting requirements, therefore this section is not applicable.

Stack Restrictions

Stack maximum diameter and minimum height above ground restrictions for each engine appear to be compliant and do not appear to have been recently modified.

Other Requirements

There are no other requirements, therefore this section is not applicable.

At the time of this inspection, the facility appears in compliance with their applicable air permitting.

NAME _____

DATE _____

SUPERVISOR _____