

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

N734156216

<b>FACILITY:</b> SCHMUDE OIL INC.		<b>SRN / ID:</b> N7341
<b>LOCATION:</b> T32N, R2W, section 28, VANDERBILT		<b>DISTRICT:</b> Cadillac
<b>CITY:</b> VANDERBILT		<b>COUNTY:</b> OTSEGO
<b>CONTACT:</b> Dennis Schmude , President		<b>ACTIVITY DATE:</b> 10/21/2020
<b>STAFF:</b> Rob Dickman	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> SM OPT OUT
<b>SUBJECT:</b> Scheduled inspection of this opt out source.		
<b>RESOLVED COMPLAINTS:</b>		

Performed an inspection at this facility per Permit to Install 86-04. At the time of the inspection, this facility was not in operation and did not appear to have been operated recently. Records provided by the facility indicate the wells feeding the facility were shut in March 3, 2020. A sign on the equipment indicated that the engine was being "preserved". Following is a list of pertinent equipment on site:

EUENGINE - CAT 398 TA: 700 HP natural gas fired reciprocating engine, uncontrolled. Skid number NGCS 21. On March 3, 2020, the parameters recorded on this engine were:

RPM – 779  
Oil Pressure – 43  
Water Temperature – 165

One small glycol dehydrator

Following are the findings of this inspection:

## **EUENGINE**

### Emission Limits

Nitrogen Oxide (NOx) emission from the engine are limited to 73 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 9.77 tons in October of 2019.

### Material Limits

No more than 52 million standard cubic feet (MMscf) of natural gas per 12-month rolling time period as determined at the end of each calendar month is to be burned in the engine. Records of these calculations were provided by the facility for the time period of August 2019 to August 2020. The highest calculated usage for this time period was 6.88 MMscf in November of 2019.

A statement that the facility only burns sweet natural gas at the facility was requested. This statement is attached to this report.

### Process or Operational Restrictions

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

### Design or Equipment Parameters

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

### Testing or Sampling

There are no testing or sampling conditions, therefore, this section is not applicable.

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.

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 facility wide 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 \_\_\_\_\_