

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

N690765128

<b>FACILITY:</b> Paxton Resources, J.A. Bott		<b>SRN / ID:</b> N6907
<b>LOCATION:</b> NW NW NE Sec 13 T29N R03W, GAYLORD		<b>DISTRICT:</b> Cadillac
<b>CITY:</b> GAYLORD		<b>COUNTY:</b> OTSEGO
<b>CONTACT:</b>		<b>ACTIVITY DATE:</b> 10/19/2022
<b>STAFF:</b> Kurt Childs	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> SM OPT OUT
<b>SUBJECT:</b> 2023 FCE		
<b>RESOLVED COMPLAINTS:</b>		

### Full Compliance Evaluation

I conducted a full compliance evaluation including site inspection and records review of the Paxton Resources J.A. Bott CPF located on Old State Rd. in Otsego Lake Township, Otsego County. The J.A. Bott is an opt-out facility with PTI 355-00. This facility was originally permitted on December 19, 2000 by Paxton Resources. The facility is located directly south off of Old State Rd, west of Lower Chub Lake Rd. There are no signs but the driveway is gated and the gate was locked at the time of the inspection. There is a sign on the back of the compressor building that says J.A. Bott.

PTI 355-00 identifies the permitted equipment as:

**EUENGINE01, a Caterpillar G398TA 500 HP compressor engine.**

Emission limits in the PTI are as follows:

**EUENGINE01,**

- NOx = 11 pounds per hour.

There is also a glycol dehydration process on the site.

At the time of the inspection the equipment at the facility matched that in PTI 355-00. All of the equipment is located inside the one building on site. At the time of the inspection the compressor engine and dehy were operating. There were no visible emissions from the engine stack and light vapor emissions but no detected odors from the dehy vent. There were no visible emissions from the reboiler stack.

The compressor engine stack appeared to meet the permit limits of 9" maximum diameter and 25' minimum height. There appears to be a catalytic converter housing in the exhaust system but no temperature sensors. The PTI application and final permit do not indicate or require a catalytic converter. EUENGINE01 was operating at 850 rpm and oil pressure was 40 psi. Readings on the daily log sheet were consistent with the observed operating parameters.

This source does not have a malfunction abatement plan, and one has not been requested.

I contacted Mr. Chris Hansen of Paxton Resources and requested the following records:

- Monthly and 12-month rolling time period NOx emissions calculations.

- 12-month rolling time period fuel use records.
- Maintenance records

**On 10/24/2022 Mr. Hansen provided the following records which are attached:**

- CO, NOx, VOC emissions 12-month rolling.
- Fuel usage.
- Maintenance records.

**Review of the records indicates that they were complete and up to date. The reported 12-month rolling time period emissions of 5 tons NOx were in compliance with the permit limits for NOx of 11 pounds per hour. Fuel usage was around 24 MMCF/year, the permit does not contain a limit on fuel usage. The Dehydrator is not subject to 40 CFR Part 63, Subpart HH because the actual flowrate of natural gas is less than 85,000 cubic meters per day. Maintenance records are being kept up to date.**

**The results of the inspection and records review indicate the facility is currently in compliance with PTI 355-00 and the Air Pollution Control rules.**

NAME  \_\_\_\_\_

DATE \_\_\_\_\_

SUPERVISOR \_\_\_\_\_