

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

N381873030

FACILITY: Great Lakes Gas Transmission Station #13		SRN / ID: N3818
LOCATION: 7500 E. Dodge Rd., OTISVILLE		DISTRICT: Lansing
CITY: OTISVILLE		COUNTY: GENESEE
CONTACT: Chris McFarlane , Environmental Specialist		ACTIVITY DATE: 07/15/2024
STAFF: David Rauch	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: A scheduled routine inspection was conducted to ensure the facility was in compliance with their ROP; MI-ROP-N3818-2022.		
RESOLVED COMPLAINTS:		

Staff Activity Report

On July 15, 2024, David Rauch of the Air Quality Division (AQD) conducted an inspection of Great Lakes Gas Transmission Otisville Compressor Station No. 13 (SRN N3818), located at 7500 East Dodge Rd., Otisville, Michigan. The purpose of the inspection was to determine compliance with the facility's ROP, MI-ROP-N3818-2022.

David started an extended leave from work before the report for this inspection was or the records review was completed, so the report and records review were completed by AQD Staffer Michelle Rogers on September 18, 2024.

Facility Description:

The facility is a natural gas transmission station for the TransCanada Pipeline.

Regulatory Overview:

This is a major source for criteria pollutants and has the potential to emit over 100tons of NOx.

-40 CFR 60 GG- Standards of Performance for Stationary Gas Turbines

-40 CFR 63 ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Fee Status:

This site is a fee subject source and reports emissions to the Annual Emissions reports in MiEnviro. Previous reporting can be observed on MiEnviro.

Location:

This site is in a very rural area and does not have residence nearby.

Inspection:

I (David Rauch) arrived on site around 9am where I was met by the site manager Nick Rudolph and Benjamin Samuelkuty, the representative from Troy, Michigan who helps keep records for the various sites. We began the inspection by sitting and discussing the permit. While on site we went down each permit condition and discussed the equipment on site. At the time of the inspection the site was not operating and all of the equipment was turned off.

After discussing the permit I requested records be sent via email. The site agreed and sent over the requested documents. We then toured the site and I observed the equipment that was on site and

the emergency release equipment. While walking through, I observed that the Rolls Royce Engines were in great condition while being older units. The tour of the plant was short as the overall space is not very large. Special equipment is needed for an inspection, as well as a call-ahead for the inspection.

Records Review:

Christopher McFarlane of TC Energy sent records requested by David Rauch.

FGMACTZZZZ (EUAPU):

SC III.2 The company is utilizing an oil analysis program to extend the oil change timelines specified in SC III.1. The company submitted records of their oil sampling program for this emission unit.

The company submitted an example of the Preventative Maintenance records from 2024/04/17.

EUUNIT1303:

SC I.1-5: The company sent a copy of emissions testing results from the last testing (Nov. 12, 2020) of NOx and CO. NOx was very close to the pph limit of 89.0 pph (at 88.32 pph) when testing at high load, but still in compliance. Emissions were not close to any of the other emission limits in the permit.

FGAVONS (EUUNIT1301 and EUUNIT1302):

SC VI.1: The permittee shall maintain, in a satisfactory manner, information to demonstrate the gaseous fuel combusted in EUUNIT1301 and EUUNIT1302 is natural gas.

The company supplied a copy of their FERC Gas Tariff, which specified several qualities of the natural gas, including the range of heating value of the gas (967-169 BTU), hydrogen sulfide content (≤ 0.25 gr H₂S/100 cf), and total sulfur (≤ 20 gr total sulfur / 100 cf).

The company also supplied a record of operation that includes start time, duration of run time, fuel used (MCF) and fuel rate (MSCFH).

Conclusions:

All of the equipment appeared to be in good condition and the site had no visible emissions or odors. Based on the site's semi and annual certifications, there have been no reported deviations.

NAME Michelle Rogers

DATE 9/20/2024

SUPERVISOR RB