

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

N558127219

FACILITY: Great Lakes Gas - Farwell Compressor Station 12		SRN / ID: N5581
LOCATION: 3400 HICKORY RD, LAKE GEORGE		DISTRICT: Saginaw Bay
CITY: LAKE GEORGE		COUNTY: CLARE
CONTACT:		ACTIVITY DATE: 09/16/2014
STAFF: Benjamin Witkopp	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Facility inspection and records review		
RESOLVED COMPLAINTS:		

Ben Witkopp of the Michigan Department of Environmental Quality - Air Quality Division (MDEQ-AQD) met with Bob Lukens of Great Lakes Gas Transmission (GLGT) at the Farwell Compressor Station on September 16, 2014. The facility is located a couple of miles south of Lake George in Clare County. The facility is under the umbrella ownership of Trans Canada as is ANR Pipeline Company. ANR is located slightly south and east of GLGT. While ANR is involved in storing and then retrieving natural gas from underground formations GLGT operations concern moving the gas along the pipeline distribution system. The site is covered by renewable operating permit (ROP) MI-ROP-N5581-2013. The site basically uses compressors to move natural gas along the pipeline network to stage sites as well as customers.

The facility has 5 natural gas fired compressors, a turbine, and an emergency generator. Since the source is major for NO_x, CO, and hazardous air pollutants (formaldehyde), the site is required to have a ROP. The emergency generator is subject to the National Emission Standards for Hazardous Air Pollutants for reciprocating internal combustion engines 40 CFR part 63 subpart ZZZZ (RICE MACT). The requirements are minimal and are in the form of recordkeeping and proper maintenance. The records were checked electronically on site. The unit had about 12 hours of run time starting in 2013 and proper maintenance appeared to be performed. Rather than changing oil, ZZZZ allows the company to perform sampling to check for degradation. The sampling was being conducted. Bob said they get an e-mail if the oil is out of spec.

There are minimal requirements for the facility compressors. Basically, the usage of gas combusted must be tracked and pipeline quality natural gas must be used. The records were checked electronically at the facility and were found to be adequate.

We then went into the facility. None of the equipment was running at the time. Bob commented that the equipment isn't operated nearly as often as in the past because the sources of gas are now found closer to the end user.

A cold cleaner is rarely used anymore. It uses Landa L-229 as the cleaner. It is basically a powdered citrus based cleaner mixed with water. Given the cleaning agent being used the cold cleaner is not specifically included in the ROP.

The Solar Taurus 70 turbine is located in a separate building. It is used to power a compressor. Like the compressors themselves, the turbine use has declined according to Bob. There is a package replacement turbine on site near the existing one. If the situation of breakdown occurs or capital expenditures are justified the unit is readily available.

Since the ROP had high level citations for the RICE MACT and BOILER MACT (for three small boilers) the corporate environmental staff was contacted and asked for determinations concerning applicability. The staff confirmed the compressors were not subject to ZZZZ and the emergency generator requirements were minimal, as suspected, and previously presented. Boiler MACT compliance dates are still in the future.

Based on the operations and records checked, the facility is considered to be in compliance.

NAME B. WitkoppDATE 9-25-14SUPERVISOR C. Paul