

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

N557437517

FACILITY: ANR Pipeline Company - Hamilton Compressor Station		SRN / ID: N5574
LOCATION: 4193 134th Ave, HAMILTON		DISTRICT: Kalamazoo
CITY: HAMILTON		COUNTY: ALLEGAN
CONTACT: Willian Kaiser , Site Environmental Contact		ACTIVITY DATE: 11/01/2016
STAFF: Dale Turton	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT:		
RESOLVED COMPLAINTS:		

An inspection was conducted at this natural gas compression station. The purpose of the facility is to move the gas along the pipeline at adequate pressure. There is no storage capacity beneath this facility. The environmental contact at the site is William Kaiser. Matt MacDonald was also present during the inspection.

All of the larger emission units at the facility were installed prior to the requirement for NSR permitting. However, these units are all included in ROP (MI-ROP-N5574-2012A).

FGHM001-010

There are only two common permit conditions for all 10 of the units. They can only burn natural gas and they must monitor and record the gas consumption. They are in compliance with both conditions.

The large GE Frame 5, 28,566 Hp turbine engine (EUHM010) was the only unit operating at the time of the visit. This is the main unit used throughout the year. There have not been any significant changes to the turbine since the last AQD visit. Natural gas was the only fuel being fired. Records are being kept of the gas usage for this unit. There were no visible emissions. The unit was operating using 96 MSCFH gas and a turbine exhaust temperature of 807 deg F.

There are 5 – 1,550 Hp Clark reciprocating internal combustion engines (EUHM001-005). These are two cycle units that are natural gas fired. These are housed in their own building. These were not running during the visit and they are rarely used. They only get used when the GE Frame 5 is down or for periodic brief runs to keep them in a state of readiness. There have been no changes to these units since the last inspection. Records are being kept of the gas usage for these units.

There are also 4 – 1,125 Hp Solar gas turbine engines (EUHM006-009). These are housed in their own building. These were not running during the visit and they are rarely used. They only get used when the GE Frame 5 is down or for periodic brief runs to keep them in a state of readiness. All of these units have had the old starters replaced with new and more efficient starters since the last inspection. Records are being kept of the gas usage for these units.

FGHM011-012

There are 2 – 370 Hp Ingersoll-Rand generators. These are four-stroke units that are natural gas fired. These were not running during the visit and they are usually only operated for four hours each month for readiness testing. These have become subject to the MACT for Reciprocating Internal Combustion Engines (RICE). The applicable requirements of 40 CFR 63 Subpart ZZZZ for emergency generators are included in the ROP. The company has begun to keep records of the run time and whether the running was for emergency, maintenance, or other purposes for each unit to show compliance with the conditions in the MACT. They to keep a log book in the building where the generators are housed. According to Bill, there is not an air filter or any belts on the generators. For the first 10 months of the year, Unit #1 was run for 31 hours for emergencies and 40 hours for maintenance (test runs). For the first 10 months of the year, Unit #2 was run for 30 hours for

emergencies and 37 hours for maintenance (test runs).

Exempt Equipment

There is 1 – 5 MMBTU Kewanee gas fired boiler that is used year round. This is exempt equipment and is not included in the ROP. A new burner and boiler controls were installed recently.

The have one non-solvent based detergent type parts cleaner that is exempt from permitting and reporting.

NAME Dale Turton

DATE Nov. 7, 2016 SUPERVISOR YMD 11/7/2016