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

N815156752

FACILITY: VECTOR PIPELINE L.P., Athens Compressor Station		SRN / ID: N8151
LOCATION: 4981 2 Mile Rd, ATHENS		DISTRICT: Kalamazoo
CITY: ATHENS		COUNTY: CALHOUN
CONTACT: Shane Yocum , Environmental Analyst		ACTIVITY DATE: 01/19/2021
STAFF: Amanda Chapel	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT:		
RESOLVED COMPLAINTS:		

On January 19, 2021, an on-site inspection was conducted at Vector Pipeline L.P. Athens
Compressor Station (N8151) to show compliance with MI-ROP-N8151-2016. Records for this site
were previously reviewed on December 29, 2020. Vector Pipeline is located at 4981 2 Mile Road,
Athens, Calhoun County, Michigan 49011. During the last inspection, the facility was in
compliance with all requirements contained in the ROP and all other state and federal air
regulations.

The facility has one Solar Turbine Incorporated (Solar) Mars 100s natural gas fired turbine with a
nominal (ISO) rating at 15,000 hp and a maximum heat input of 120 MMBtu/hr. The turbine is
equipped with dry low NOx emission controls (SoLONOx). There is also one natural gas fired spark
ignition internal combustion generator. This is an emergency standby power unit with a 6.0
MMBtu/hr rating.

The Athens location of Vector Pipeline, a joint project with Enbridge, has four staff that work one
shift per day, from 7:00 am to 3:30 pm Monday to Friday. All staff were on site during the
inspection. Both EGLE and Vector staff wore masks, kept socially distant, and maintained COVID
protocol. Also due to COVID, EGLE staff was able to complete the safety video and quiz off site,
before completing the inspection.

A stack test was performed on May 29, 2019 which was within the required 14-month testing
window specified by 40 CFR Part 60, Subpart KKKK. This was required because the previously
tested NOx value was above 75% of the NOx value contained in Subpart KKKK. Test results show
that the NOx concentration (ppm) value of 7.03 running at 15% O2 within 25% of 100% peak load.
Because of this result, the facility must perform the next compliance test within 26 months of the
previous test date. The facility should test before July 29, 2021.

At the time of the inspection, neither the turbine nor the EUSPU was running. The facility states
that the turbine only ran about 5 or 6 days in the past 12 months. Records review confirms this.
The EUTURBINE1 only runs on natural gas. All data is autogenerated on the computer system and
can be obtained on site. The gas control checks hours run and generates weekly reports for the
facility. The most recent hours run was on 12/25/20 where it ran for 11 hours between midnight
and 11am. Typically the turbine will run if there is an outage or a high demand for power.

The EUSPU is a natural gas-fired spark ignition internal combustion generator for emergency
standby power. It was installed in 2008. The nameplate reads 637 hp CAT engine. There is a non-
resettable hours meter that read 615 hours during the inspection. It runs once weekly for 30
minutes. Arch Rock performs the annual inspection and all required maintenance. The filters

were labeled 12-13-18 as the last time they were changed. This is in line with the requirement to check the filters yearly and replace after 500 hours or as needed.

The facility has eleven catalytic natural gas-fired heaters in the turbine building, each having a heating capacity of less than 60,000 Btu/hr. Seven of the heaters are around the inside of the building to maintain a specific temperature for the turbine. The other four are located in a box for the in-line heater to pre-heat gas that is routed to the turbine that has a total input capacity of 100,000 Btu/hr. These heaters are exempt from air permitting under Rule 282(2)(b)(i). There are no cold cleaners of boilers at the facility.

The facility appears to be in compliance with all requirements for EUTURBINE1 and EUSPU and all additional state and federal air quality regulations.

NAME _Annum Alpil_   DATE _1/22/21_   SUPERVISOR _RIL 1/25/2021_