

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection**

P074145455

<b>FACILITY:</b> Consumers Energy Huron Compressor Station	<b>SRN / ID:</b> P0741
<b>LOCATION:</b> 9501 Sebewaing Road, SEBEWAING	<b>DISTRICT:</b> Saginaw Bay
<b>CITY:</b> SEBEWAING	<b>COUNTY:</b> HURON
<b>CONTACT:</b> Amy Kapuga, Senior Engineer II	<b>ACTIVITY DATE:</b> 08/01/2018
<b>STAFF:</b> Matthew Karl	<b>COMPLIANCE STATUS:</b> Compliance
<b>SUBJECT:</b> Self-Initiated Inspection	<b>SOURCE CLASS:</b> <i>Minor</i>
<b>RESOLVED COMPLAINTS:</b>	

**On 8/1/18, I (Matt Karl) conducted a compliance inspection at the Consumers Energy Huron Compressor Station located at 9501 Sebewaing Road, Sebewaing, Michigan 48759. The purpose of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Administrative Rules.**

Reports received and logged on the Michigan Air Compliance Enforcement System (MACES) indicated that there was a 4-stroke lean burn natural gas fired reciprocating internal combustion engine (RICE) with spark ignition (SI) located at the station. The engine was determined to not require a permit to install (PTI) in accordance with MDEQ-AQD Administrative Rules. The engine was determined to be subject to 40 CFR Part 60 Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines and 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Reports received and logged on MACES indicated that emissions performance test protocol for compliance with Subpart JJJJ was received on 9/8/16 and was processed and marked compliance on 9/30/16. The Subpart JJJJ initial compliance demonstration test results were received on 1/24/17 and were processed and marked compliance on 1/31/17.

During my compliance inspection, I was able to observe that the engine had indeed been installed at the compressor station (see Fig. 1 & Fig. 2). I called the security number (800-760-3295) posted on the perimeter fence and was referred to Ms. Amy Kapuga, Sr. Engineer II with Environmental Services – Air Quality Section at Consumers Energy. Amy was able to provide additional information about the background of the compressor station as well as the associated notifications and compliance documents.

The project background provided by Amy is described as follows:

*"An unusual situation in the fall of 2014 challenged the natural gas system when colder than normal temperatures, combined with excess moisture, resulted in a longer grain drying period for agribusiness customers in the area. Consumers worked with the Huron and Tuscola County Economic Development Corporations to identify customers' potential future expansion plans. A compressor station was determined to be the most timely, cost effective solution. Located on a three-acre rural site at 3520 Bay Port Road in Sebewaing, the compressor is installed within a 1,900-square-foot building. A 1035-horsepower engine inside the building operates on demand to provide consistent natural gas pressure. The new compressor station helps ensure that adequate natural gas pressure is available for all Thumb customers, including agribusinesses, during peak demand times like harvest and fall grain drying."*

A summary of the emission unit and the rationale for the exemption from permitting requirements is included in the table below:

Emission Unit	Location	Date Installed	Max Heat Input (Btu/hr)	Fuel Type	Exemption
RICE-SI Caterpillar Model G3512B	3250 Bay Port Road/ 9501 Sebewaing Road	6/17/2016	8,720,289	Natural Gas	R 336.285(g)

Additional documents regarding the notification/compliance requirements for the Huron Compressor Station provided by Amy Kapuga are available on file are summarized below:

- Project Summary Letter to MDEQ (April 21, 2016)
- 40 CFR Part 60, Subpart JJJJ Construction Notification (June 17, 2016)
- 40 CFR Part 60, Subpart JJJJ Test Protocol (September 6, 2016)

- 40 CFR Part 60, Subpart JJJJ Initial Startup Notification (October 25, 2016)
- MDEQ review of test protocol (December 7, 2016)
- 40 CFR Part 60, Subpart JJJJ Test Report (January 23, 2017)



**Image 1(Fig 1.)** : Site inspection photo. Perspective is from 3250 Bay Port Road entrance facing west.



**Image 2(Fig 2.)** : Site inspection photo. Perspective is facing north towards 9501 Sebewaing Road from the Huron Compressor Station property.

NAME Matthew R. Karl

DATE 8/8/18

SUPERVISOR C. Gave