

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

N593432402

FACILITY: Ener Vest Operating Mayer		SRN / ID: N5934
LOCATION: T29N-R4W, Section 24, HAYES TWP		DISTRICT: Gaylord
CITY: HAYES TWP		COUNTY: OTSEGO
CONTACT: Jeff Riling , OPERATIONS MANAGER		ACTIVITY DATE: 12/15/2015
STAFF: Becky Radulski	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: FY16 scheduled inspection		
RESOLVED COMPLAINTS:		

On December 15, 2015 AQD Staff traveled to N5934 Enervest Mayer CPF located in Hayes Township, Otsego County for a Full Compliance Evaluation (FCE) scheduled inspection to determine compliance with PT1 106-96C.

AQD Staff Gloria Torello and Becky Radulski were present at the inspection.

DEQ Inspection brochures have been previously emailed to Enervest.

The Mayer CPF is a central production facility. Natural gas from low pressure wells is passed through field separators, a dehydrator and a compression system at the CPF to remove hydrocarbon condensate and water, and to control gas pressure necessary for further pipeline transport.

LOCATION

The facility is located south of Gaylord in Otsego County. It is on the east side of Lynn Lake Road, south of Mancelona Road. The facility has a locked gate but is visible from Lynn Lake Rd.

EQUIPMENT ON SITE

The facility consists of 2 engines and a glycol dehydrator. EUENGINE1 is a Caterpillar 398, 700 hp, no control. EUENGINE2 is a Caterpillar 3304, 95 hp, no control. A separator and a tank battery are also onsite containing 2 400 bbl tanks.

The facility processes natural gas from the Antrim zone. The 2 engines compress gas and send it to a production pipeline for further processing.

REGULATORY DISCUSSION

The facility has the potential to emit NOx over 100 tons. However with this permit the facility opts out of the ROP program by limiting natural gas fuel usage, reducing fuel use by 36% to 44,072,339 cubic feet per 12 month rolling.

The facility is not major for HAPs.

The engines are subject to 40 CFR Part 63, Subpart ZZZZ, which has not been delegated to MDEQ from EPA.

The engines are not subject to NSPS Subpart JJJJ because the date of construction for both engines is prior to June 12, 2006.

The glycol dehy is exempt per Rule 288(b)(ii) - exempts dehy which process natural gas from the Antrim zone.

The glycol dehy is subject to 40 CFR Part 63, Subpart HH, which has not been delegated to MDEQ from EPA.

INSPECTION NOTES

There is one large building on site to house the 2 engines and one small dehy building. Both engines were operating during the inspection, no odors or VE from either stack.

The glycol dehydrator system is located in a small building south of the compressor building. A small tank of triethylene glycol is located outside the building inside containment with a roof overtop. The dehy system was

operating, no odors or VE noted.

Two tanks which appear to be under 400 bbls were located in a bermed containment area. The tanks were labeled for slop and brine. The containment area had a dirt layer on top and areas where a liner could be seen underneath. There was water present in the containment area, which coordinates with the recent rains in the area.

EUENGINE1 - Caterpillar 398, 700 hp, muffler, no control

engine oil pressure	58 psi
rpm	916

EUENGINE1 is located in the N part of the building. There were several storage tanks (oil and dehy chemicals) on stilts in containment located inside and outside the building. The stack has a muffler and no control. Inside the building was a red used oil tank and 2 oil tanks.

EUENGINE2 - Caterpillar 3304, 95 hp, muffler, no control

engine oil pressure	60 psi
rpm	921

EUENGINE2 is located in the NE area of the building. The stack has a muffler and no control.

The engine stacks are required to have a minimum height of 30 feet, maximum diameter of 12 inches for EUENGINE1 and 8 inches for EUENGINE2 – based on visual observation, the stacks appear to meet this condition.

MAERS

The 2016 submittal will be reviewed during the 2016 MAERS season. See MAERS for details.

MACES

MACES Facility and Regulatory screens were reviewed. The facility description was updated to add information to the description.

COMPLIANCE DETERMINATION

Based on the scheduled inspection, N5934 EnerVest Mayer CPF appears to be in compliance with the inspection portion of PTI 106-96C. Records will be review separately to determine full compliance.

NAME Becky Radulski

DATE 12/21/15

SUPERVISOR 