

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

N618237858

FACILITY: WARD LAKE ENERGY, CHESTER 22/27 CPF		SRN / ID: N6182
LOCATION: T30N R2W SEC 22 CHESTER TWP, CHESTER TWP		DISTRICT: Gaylord
CITY: CHESTER TWP		COUNTY: OTSEGO
CONTACT: JEFF RILING , PRODUCTION MANAGER		ACTIVITY DATE: 12/06/2016
STAFF: Gloria Torello	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: 2017 Site inspection.		
RESOLVED COMPLAINTS:		

SRN: N6182. Name: Ward Lake Energy, Chester 22.

Directions: The facility is located in Otsego County, Chester Township. From M-32 turn south onto Turtle Lake Road, east onto Finnegan Road, travel about ¼ mile and the facility is on the north side of the road.

Application/Permit: This is an Antrim gas facility. The application included one CAT 3408 TA Compressor Engine, and Dehydrator Burner and Reboiler vent. On August 5, 2011 the AQD issued permit number 5-97C. The permit includes: engine and a glycol dehydrator. Because the permit allows for an engine swing, the SRN will be added to AQD's Opt-out list.

Malfunction Abatement Plan (MAP): On October 18, 2011 the AQD approved the MAP. The MAP includes one CAT 3408TA 1800 RPM 400 HP engine with no control.

MAERS: The facility submits a MAERS for this SRN, N6182. Torello will send a note to Dennis McGeen, AQD, to make sure the SRN stays on MAER's list because this facility is an Opt-out. The MAERS does not claim control on the engine. The 2015 reported NOx and CO emissions are below the permitted:

2015 MAERS for EUENGINE		
	Permitted Limit	Reported Emissions
NOx	82 tpy	5.2
CO	7 tpy	3.9

MACTS:

The facility's HAP PTE is below 10/25 tpy for individual/total HAPs making the facility a true minor for HAPs and making the facility an area source for the MACT listed below. The EPA has not delegated this Subpart to MI AQD and the Subpart was not reviewed.

- 40 CFR Part 63 Subpart HH, National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.

MACES:

- Facility Information was reviewed and no change was made.
- Regulatory Info was reviewed. CMS is checked as this facility is considered an ROP opt-out source.

Compliance: A review of AQD files and MACES report generator shows one violation notice from 2010 and it is resolved.

Records:

The AQD requested, and the permittee provided, records documenting compliance with the permit and MAP recordkeeping requirements. Specifics on the records are incorporated into the Permit Conditions below.

Inspection: On December 6, 2016 Gloria Torello, AQD, visited the site. There is one engine on site and it operated during the inspection. The engine does not have a catalytic converter. The engine skid ID is NGCS 374. The clipboard near the engine includes records for Suction Pressure PSIG, 1st Interstage,

Discharge, etc., and in December 2016 there were records made on the 2nd through 6th. No visible emissions were observed on the engine stack. The glycol dehydrator is outside of the building. The building doors were closed. There are two tanks in a lined retaining area and the retaining area had standing water. A nearby pump jack operated. Via visual assessment the engine stack appeared to be a maximum of 8 inches in diameter and a minimum of 45 feet in height. No odors were noted.

**Permit Conditions:
EUENGINE**

I. 1 & 2, VI. 5 & 6. Emission Limits	Permit limit	Permittee records as of August 2016
NOx	82 tpy	4.3
CO	7 tpy	3.9

III. 1.; and VI. 3. On October 18, 2011 the AQD approved the MAP. Field Maintenance Records show ongoing engine maintenance.

III. 2. and VI. 4. The engine does not have add-on control.

IV. 1. The engine does not have add-on control.

IV. 2. and VI. 2 The Compressor Engine Emissions-Record Keeping includes Fuel Use in MMCF. There is not a Material Limit on fuel use.

V.1. No testing was requested by AQD.

VI. 1. Permittee calculates emissions and makes records available to AQD.

VII. There is nothing in the file stating there was an engine replacement.

VIII. 1. Via visual assessment the engine stack appeared to be a maximum of 8 inches in diameter and a minimum of 45 feet in height.

IX.1. The facility is minor for HAPs and US EPA has not delegated to AQD 40 CFR Part 63 Subpart ZZZZ.

Conclusions: Via onsite inspection and review of records the permittee demonstrates compliance with the conditions of permit 5-97C.

NAME *Gloria Inello*

DATE *12-8-16*

SUPERVISOR *[Signature]*