

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

N818136677

FACILITY: LINN Operating INC - C Caledonia D3-6 (North Bay)		SRN / ID: N8181
LOCATION: SE 1/4 SW 1/4 SW 1/4 SEC 6, CALEDONIA TWP		DISTRICT: Gaylord
CITY: CALEDONIA TWP		COUNTY: ALCONA
CONTACT: Diane Lundin , Senior EHS Representative		ACTIVITY DATE: 09/01/2016
STAFF: Gloria Torello	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Site inspection 2016		
RESOLVED COMPLAINTS:		

**SRN: N8181. LINN Energy North Bay Facility**

**Directions:** The facility is located in Alcona County, Caledonia Township.

From M-32, drive south on M65, east on Werth Road, south on Wolf Creek Road, go past Hubbert Road and in about ½ mile is a large curve and the road heads west. At the curve in the road is the sign and access drive to the facility. Stapled to the inside jacket of the blue permit file is a map to the facility.

If the gate is locked, then plan to walk the last +/- ½ mile into the facility.

**Application/Permit:** This is an Antrim gas facility. On August 18, 2009 the AQD issued permit 344-08A. This is a minor permit. The permit includes a glycol dehydrator and two engines.

**Malfunction Abatement Plan (MAP):** On October 26, 2009 the AQD approved the MAP. The MAP includes one Caterpillar 3526 lean burn engine, and one Caterpillar 3306 rich burn engine. Neither engine has control.

**MAERS:** This is a minor facility and MAERS was not submitted.

**MACES:**

Facility Information was reviewed and the following changes were made:

- To Description was added, *Antrim gas facility*.
- Operating Status was changed to: *Operating*

Regulatory Info was reviewed the following was added to Subject To:

- 40 CFR Part 63 Subpart HH.

**Brochure:** The inspection brochure will be forwarded to the permittee via email with the site inspection notes.

**Compliance:** A review of AQD files and MACES report generator show no outstanding violation.

**Inspection:** The facility operated during the site visit. No visible emissions were observed. The doors were open and the facility is loud.

**Permit Conditions:**

**EUDEHY & 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 this MACT:

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

Although the EPA has not delegated this Subpart to MI AQD, permit 344-08A includes glycol dehydrator conditions in table EUDEHY.

VI. Monitoring/Recordkeeping

The permittee submitted a copy of the December 4, 2015 letter from Gosling Czubak with information including wet gas samples were collected and analyzed. HAPs/benzene are non-existent. Records of natural gas through put are kept.

FGENGINES

I.1-4, VI. 7 and 8. The May-July 2016 records show the NOx and CO emissions are below the permitted limits.

III.1, VI.4. On October 26, 2009 the AQD approved the MAP. Compressor Monthly Operation Reports, and Field Maintenance Reports document ongoing engine maintenance and repair.

III.2, IV.1 and 2, VI.5. The engines do not have control.

V.1. AQD has not requested testing.

- VI. 1. AQD requested records and the permittee was timely in submitting records. Records included:
- Engine Specification Calculation Spreadsheet Monthly Emissions Summary and Fuel Gas Calculations,
  - Compressor Field Maintenance Reports,
  - Compressor Monthly Operation Reports.

Records support compliance of permit limits and conditions.

VI.2, 3 and 6. Natural gas usage record is found on the Engine Specification Calculation Spreadsheet. The permit does not include Process/Operational Restrictions on natural gas usage.

VII.1. No notification was found in the permit file indicating an engine was replaced.

**Conclusions:** Via onsite inspection and review of records, the permittee demonstrated compliance with the conditions of permit 344-08A and the MAP.

NAME Gloria Inello DATE 9-20-16 SUPERVISOR 