

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

N830431407

FACILITY: CLOVERLAND ELECTRIC - MANISTIQUE DIESEL PEAKERS		SRN / ID: N8304
LOCATION: 335 CHIPPEWA AVE, MANISTIQUE		DISTRICT: Upper Peninsula
CITY: MANISTIQUE		COUNTY: SCHOOLCRAFT
CONTACT: PHIL SCHMITIGAL, DIRECTOR OF GENERATION		ACTIVITY DATE: 09/21/2015
STAFF: Ed Lancaster	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Conducted scheduled, unannounced compliance inspection.		
RESOLVED COMPLAINTS:		

I arrived at the plant to find the two generators were not operating. On the following day I met with Mr. Phil Schmitigal, in his Sault Sainte Marie Office to review the company's records for the Manistique facility (see file).

The facility operates under permit to install (PTI) No. 58-10, for two diesel-fired, reciprocating engine/generator sets, peaking units. Each engine is fitted with an oxidation catalyst, installed in 2013, to meet the regulatory requirement of the RICE MACT, 40 CFR Part 63, Subpart ZZZZ. The units were tested on December 11, 2014, to determine compliance with the RICE MACT standard, by measuring the oxygen and carbon monoxide concentrations from the outlet of the engines.

Engine No. 2 passed the CO outlet emission limit with an average test result of 14.8 ppmvd at 15% oxygen. The standard's emission limit is 23 ppm.

Engine No.1 failed the CO limit (presumably due to maintenance issues) but was able to meet the secondary standard of a CO removal efficiency of > 70%, with an average test result of 90.7% CO removal efficiency.

The records provided by Mr. Schmitigal show the peaking units were in compliance with their NOx and CO emissions limits of 89.9 tons per year each. Twelve month NOx emissions have not exceeded 27 tpy, and the CO emissions have remained below 6 tpy since January 2011 (Special Condition (SC) Nos. I.1 and 2 and VI.1, 2 and 4).

Mr. Schmitigal also provided me with two diesel fuel invoices for shipments received in February (5,005 gallons) and September (7,316 gallons) of ultra-low sulfur diesel fuel with a maximum sulfur content of 15 ppm (SC Nos. II.1 and VI.3).

As of the date of my inspection Unit 1 had operated 33.4 hours and Unit 29.9 hours and a total of 9,984 gallons of fuel combined (SC Nos. IV.1 and VI.5, respectively).

At the time of my inspection the company was in compliance with the PTI and the RICE MACT.

NAME Ed Lancaster DATE 10/9/15 SUPERVISOR _____