

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

B610731410

FACILITY: CLOVERLAND ELECTRIC COOPERATIVE - DAFTER		SRN / ID: B6107
LOCATION: 2535 W HIGHWAY M-28, DAFTER		DISTRICT: Upper Peninsula
CITY: DAFTER		COUNTY: CHIPPEWA
CONTACT: PHIL SCHMITIGAL , DIRECTOR OF GENERATION		ACTIVITY DATE: 09/22/2015
STAFF: Ed Lancaster	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Conducted schedule, unannounced inspection.		
RESOLVED COMPLAINTS:		

The five (5) diesel fired engine/electrical generator sets, permitted under PTI No. 194-09, were not operating on the day of my inspection.

I met with Mr. Phil Schmitigal at his office in Sault Ste. Marie, where he provided me with the records (see file) the company is required to keep to show compliance. Mr. Schmitigal informed me Units 1-3 did not operate in 2014 and to date in 2015. Unit 2 is being used for parts for Units 1 and 3 and is not expected to be brought back into service.

The permit is made up of two flexible groups FGENGINES and FGFACILITY

FGENGINES

The permit contains no emission limits for the generator sets. The company is restricted to using only diesel fuel with a sulfur content less than 0.005% or 50 ppm (Special Condition (SC) No. II.1). Fuel analysis included with the fuel shipment invoice states the maximum sulfur content is 15 ppm.

Through August 2015 the company's 12-month rolling time period kW-hours production was 224,858, well below the 5,080,000 kW-hours allowed in SC No. III.1. Over the last five years the highest 12-month period occurred in January 2010 when the company's 12-month period was 3,306,000 kW-hours.

The records provided to me from Mr. Schmitigal fulfill the requirements of SC Nos VI.1-3, for Monitoring/Recordkeeping.

On December 9, 2014, Cloverland conducted stack test on Units 4 and 5 to determine compliance with the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (the RICE MACT), per 40 CFR Part 63, Subpart ZZZZ. The tests measured the oxygen and carbon monoxide concentrations from the outlet of the two regulated engines. The percent O2 results were 15.3 and 12.3 for Engines 4 and 5 respectively. Both engines had to meet the CO emission limit of 23 ppmvd at 15% O2. During the test Unit 4's average emissions were 12.0 and Unit 5's were 5.0, each operating with allowable limits.

FGFACILITY

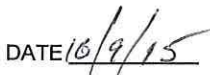
Company records show that for the last five years the NOx emissions for all five units have been less than 20 tons per year each year. The highest 12-month NOx emissions were reported in January 2010 with 51.02 tons, well below the 90 tpy limit. These records show compliance with all of the conditions in this flexible group.

As of the date of my inspection the Cloverland Dafter plant was in compliance with their permit the the RICE MACT.

NAME



DATE



SUPERVISOR

