

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

B857323920

FACILITY: Great Lakes Gas Trans Station #11 (TransCanada #11)		SRN / ID: B8573
LOCATION: 10339 GREAT LAKES RD, BOYNE FALLS		DISTRICT: Gaylord
CITY: BOYNE FALLS		COUNTY: CHARLEVOIX
CONTACT: Pat Eagling ,		ACTIVITY DATE: 11/18/2013
STAFF: Gloria Torello	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Fiscal Year 2014 Scheduled Inspection.		
RESOLVED COMPLAINTS:		

This Great Lakes Gas Transmission facility serves to maintain pressure in pipelines to transport natural gas from the mainline to and from storage facilities or to local distribution companies. At the facility are two 158.8 MMBtu/hr natural gas fired turbine engines rated at 16,000 hp. Also on site are an emergency electrical generator, and a natural gas fired boiler.

Mr. David Niezgodka met Gloria Torello and Becky Radulski of AQD at the facility for this unannounced site visit. Torello provided David a brochure. One turbine engine operated during the site visit. Torello observed the turbine engine stack and no visible emissions were present. Only one of the turbine engines operates at a given time. These are jet engines. Over time the engines have been changed with an engine of the same specifications. Records were received after the site visit.

EUAPU Emergency electrical generator.

Special Condition (SC) IX.1. The emergency generator engine is subject to regulations under 40 CFR Part 63, Subpart ZZZZ. This is an area source. AQD does not have EPA delegation of Subpart ZZZZ and the conditions of Subpart ZZZZ were not reviewed at this time.

EUBOILER One Natural gas fired boiler.

SC IX.1. The boiler is subject to regulations under 40 CFR Part 63, Subpart JJJJJJ. This is an area source. AQD does not have EPA delegation of Subpart JJJJJJ and the conditions of Subpart JJJJJJ were not reviewed at this time.

FGAVONS Two turbine engines, 16,000 hp, 158.8 MMBtu/hr each.

SC I1. The ROP permits 268 tpy NOx tpy from each turbine engine. The 2012 MAERS reported NOx emissions as follows: Unit One 7.3 tons, Unit Two 3 tons.

SC I.1, 2, 4, 5 and V.1, 2 These NOx and CO pollutant limits are in ppmv, and pph. Testing is the demonstration of compliance. April 2011 was the last time the facility was tested. Any issues would have been addressed when the test results were reviewed. In 2016 the next testing is required.

SC.VI.1 a-d. Records are made of hours of operation, fuel consumption, NOx emissions per month and per year.

SC VII. The permittee is up to date with reporting.

SC VIII. An ocular estimate indicated the stack vents meet the requirements of a maximum of 135.6 inches diameter, and a minimum of 45 feet above ground.



NAME Gloria Inello

DATE 

SUPERVISOR 12-18-13

