

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

B294247349

FACILITY: Consumers Energy Gaylord Combustion Turbine Plant		SRN / ID: B2942
LOCATION: 201 Murner Rd., GAYLORD		DISTRICT: Cadillac
CITY: GAYLORD		COUNTY: OTSEGO
CONTACT:		ACTIVITY DATE: 12/18/2018
STAFF: Chance Collins	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Scheduled Inspection for FCE		
RESOLVED COMPLAINTS:		

On December 18, 2018, AQD staff traveled to Otsego County to perform an inspection of the Gaylord Combustion Turbine Plant. The purpose of the inspection was to determine the facility's compliance with MI-ROP-B2942-2018 and applicable state and federal air pollution control regulations 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart ZZZZ which the DEQ is not delegated to enforce. This inspection will also be performed in order to respond to and determine validity of an ROP Void request made by Consumers Energy for the facility. AQD staff noted that the facility consists of three natural gas-fired combustion turbine engines, each one driving an electrical generator. There are also support and maintenance facilities for the turbines and generators. The facility also has a fourth turbine on site that is not included in the ROP and has been retired and has not operated in over a decade.

The Gaylord Combustion Turbine Plant is an electric power plant. Its construction was completed in July 1967. It is a peaking plant, which means that it operates mainly for short periods when demand for electricity is very high.

Two of the turbines are started by stationary diesel engines called "black start" engines, which is defined in Federal regulations as an engine used to start a turbine and for no other purpose. The black start engines can be started even if there is no electricity available on site. The third turbine is started by compressed air, provided by an electric compressor. Once the turbines are running, the diesel black start engines are shut down and the turbines continue operating by burning only natural gas fuel.

AQD staff arrived on site at 11:45 a.m. to cloudy conditions with a temperature of 24°F, and a S wind of 9 mph. There were no noticeable odors upon arrival.

AQD staff met with Mr. Tim Fuller who answered all questions and escorted staff around the site. At the time of the inspection, the three turbines and two black start engines were shut down. The gas lines leading to the black start engine have been cut and are capped. Mr. Fuller informed AQD staff that these lines have been cut for some time, but if needed, the engines can be fueled by hand.

The three turbines each have a fuel line leading to the turbine. At the time of inspection, the fuel line valves were shut and tied closed. Mr. Fuller informed AQD staff that the gas provider has the lines leading to the turbines on their end shut and tied off as well. When the turbines are in operation, the natural gas usage for the turbines is tracked by the monthly gas bill from the provider.

As a result of this inspection, AQD staff finds the Gaylord Combustion Turbine Plant in compliance with MI-ROP-B2942-2018. However, AQD staff did not find the facility to be sufficiently shut down or rendered inoperable in order to void the ROP.

NAME



DATE

12/19/2018

SUPERVISOR

