

DEPARTMENT OF ENVIRONMENTAL QUALITY  
 AIR QUALITY DIVISION  
 ACTIVITY REPORT: Other

B279641975

FACILITY: ST. CLAIR / BELLE RIVER POWER PLANT		SRN / ID: B2796
LOCATION: 4901 POINTE DR., SAINT CLAIR		DISTRICT: Southeast Michigan
CITY: SAINT CLAIR		COUNTY: SAINT CLAIR
CONTACT: David Huxhold , Environmental Engineer		ACTIVITY DATE: 10/09/2017
STAFF: Francis Lim	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MAJOR
SUBJECT: Addendum to August 8, 2017 scheduled inspection staff report		
RESOLVED COMPLAINTS:		

This is an addendum to the St. Clair/Belle River scheduled inspection staff report (activity date August 8, 2017).

I received the following additional information from Dave Huxhold: 5 Belle River Diesel Generator peakers' run hours (less than the limit of 100 hours/calendar year for each Diesel Generator); capacity factors for 4 Dean Peakers Combustion Turbine Generators (less than 20% annual and less than 10% 3-year average); number of consecutive hours Belle River CTGs' 4 operating parameter ranges were exceeded (0 hours exceedance - did not exceed any of the 4 parameter ranges for more than 16 consecutive hours); and number of consecutive hours the Dean Peakers CTGs' 4 operating parameters were exceeded (exceedance of one hour only - did not exceed any of the 4 parameter ranges for more than 16 consecutive hours). See attached report.

The capacity factors for the 3 Belle River Peakers CTGs showed annual capacity factors of less than 20% each. CTG 12-1 capacity factor for the 3-year average is 9.8 and CTG 12-2 is 10.0. Limit is capacity factor of more than 10 for the 3-year average.

Dave Huxhold stated that the following records are kept for Belle River Power Plant: each occurrence and duration of each startup and/or shutdown (records available through CEMS/DAHS); records of occurrence and duration of each malfunction of an operation or air pollution control and monitoring equipment (records available through Plant View); records of action taken during periods of malfunction to minimize emissions (records available through Plant View and operations log); and records of types and amount of fuel used during each startup or shutdown (records available through FIRES).

Jason Roggenbuck sent the following additional information for St. Clair Power Plant: St. Clair received 156,451 gallons of on-spec used oil in 2016 and 116,889 gallons in 2017 year-to-date; plant operators conduct non-certified VE readings for the Activated Carbon Injection and Dry Sorbent Injection silos daily; both St. Clair diesel generator peakers have an open crankcase filtering system installed; St. Clair has a Startup, Shutdown, Malfunction and Continuous Parameter Monitoring System Plan; St. Clair Unit 1 and 2 CO emissions for the 12-month rolling period ending December 2016 are 13.26 tons and 193.5 tons, respectively; Unit 6 gas RATA was conducted on March 9, 2017, flow RATA on August 17, 2017; and Unit 7 gas RATA was completed September 28, 2017.

Jason Roggenbuck stated that the following records are kept for St. Clair Power Plant: each occurrence and duration of each startup and/or shutdown (records available through CEMS/DAHS); records of occurrence and duration of each malfunction of an operation or air pollution control and monitoring equipment (records available through Plant View, operations log and CEMS/DAHS); records of action taken during periods of malfunction to minimize emissions (records available through Plant View and operations logs); and records of types and amount of fuel used during each startup or shutdown (records available through FIRES).

NAME 

DATE 10-11-17

SUPERVISOR 