

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : Sumpter Generating Plant	SRN : M4854
Location : 8509 RAWSONVILLE RD	District : Detroit
	County : WAYNE
City : BELLEVILLE State: MI Zip Code : 48111	Compliance Status : Compliance
Source Class : MAJOR	Staff : Samuel Liveson
FCE Begin Date : 7/1/2020	FCE Completion Date : 7/21/2021
Comments : Based on a facility inspection and records review, the facility appears to be in compliance with ROP MI-ROP-M4854-2021 and with applicable state and federal rules.	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
07/21/2021	On-site Inspection	Compliance	Scheduled inspection.
07/19/2021	Excess Emissions (CEM)	Compliance	1st Quarter 2021 - Excess Emissions Reports and Data Assessment Reports for Units 1 - 4. Report appears timely and complete. No data assessments (RATA, CGA, RAA) reported for this quarter. No downtime reported on units 1-4.
06/25/2021	Stack Test Observation	Compliance	Observation of NOx/O2 RATA and CO Stack Test on EU-UNIT4 of FG-TURBINES.
04/26/2021	MAERS	Compliance	MAERS report submitted. Report appears timely and complete. Facility added natural gas preheaters as emission units. CO emissions are down somewhat from 2019. According to attachments from 2020 and 2019, CO is down due to fewer hours in startup/shutdown in 2020.
03/10/2021	Excess Emissions (CEM)	Compliance	4th Quarter 2020 - Excess Emissions Reports and Data Assessment Reports for Units 1 - 4. The report indicates no excess emissions and no monitor downtime during the reporting period for Units 1 through 4.

Activity Date	Activity Type	Compliance Status	Comments
02/16/2021	Excess Emissions (CEM)	Compliance	3rd Quarter 2020 - Excess Emissions Reports and Data Assessment Reports for Units 1 - 4. The report indicated downtime on Unit 1 from 11:00 AM on July 4, 2020 to 10:00 AM on July 6, 2020. Successful calibrations were passed around 10:00 AM to validate the data. Facility is reporting 28 hours of downtime from this event. The report indicated no monitor downtime during the reporting period for Units 2, 3, and 4, and no excess emissions from Units 1-4.
09/02/2020	ROP Semi 1 Cert	Compliance	The facility reports that during the entire reporting period, all monitoring and associated recordkeeping requirements were met with the exception of one reported deviation. On February 13, 2020 on Unit 1, there were 4 hours of fuel flow monitor downtime due to a malfunctioning temperature probe/transducers (deviation of FG-Turbines, SC VI.2). A similar incident occurred on January 27, 2020 on Unit 4 (16 hours). In both cases equipment was replaced and placed back into service following successful accuracy testing. Fuel flow data during both downtimes was substituted following Part 75 procedures.

Activity Date	Activity Type	Compliance Status	Comments
08/18/2020	Stack Test	Compliance	CO Stack Test (Unit 3), HCHO (Units 1 through 4), and RATA (Units 1 through 4) reports received August 14, 2020. The CO Test Report for Unit 3 indicates an average CO emission rate of 0.0056 lb/MMBtu demonstrating compliance with MI-ROP-M4854-2014c, FG-TURBINES, SC I. 2. The relative accuracies for NOx and O2 for Units 1 through 4 were all reported as less or equal to 6.5%, demonstrating compliance with Part 75 and Part 60 requirements. The facility provided HCHO test results, but there are no permitted limits for HCHO. Using stack test measured HCHO (pound per hour) the facility provided PTE (8760 hrs) HCHO in tons per year as follows: Unit 1 - 0.54 tpy, Unit 2 - 0.36 tpy, Unit 3 - 0.40 tpy, Unit 4 - 0.40 tpy.
08/17/2020	ROP Tech Review Notes	Compliance	
07/30/2020	Excess Emissions (CEM)	Compliance	2nd Quarter 2020 - Excess Emissions Reports and Data Assessment Reports for Units 1 - 4. The report indicates no excess emissions and no monitor downtime during the reporting period for Units 1 through 4.

Name: AL

Date: 11/10/21

Supervisor: JK