

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : Kent County Waste to Energy Facility	SRN : N1604
Location : 950 Market Ave SW	District : Grand Rapids
	County : KENT
City : GRAND RAPIDS State: MI Zip Code : 49503	Compliance Status : Compliance
Source Class : MAJOR	Staff : Kaitlyn DeVries
FCE Begin Date : 9/1/2020	FCE Completion Date : 7/14/2021
Comments : FY 2021 FCE	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
06/16/2021	Stack Test Observation	Compliance	Stack Test Observation Notes from June 16 and June 17, 2021.
06/16/2021	On-site Inspection	Compliance	The purpose of the inspection was to determine compliance with MI-ROP-N1604-2018a.
06/04/2021	Other	Compliance	Review of 1st quarter 2021 excess emissions and monitoring system performance
05/10/2021	MAERS	Compliance	ROP Certification form received 2-19-21: CEM, Stack test, EPA and MAERS EF's used. Appropriate CE's entered for PM, and the errors that were made in previous years were not made this year. Emissions are similar to that reported in previous years. No changes were made to the report.
05/05/2021	Other	Compliance	The Semiannual Emission Guideline Operating and Data Availability Summary Report (The "G" Report) for the time frame of July 1 – December 31, 2020.
05/03/2021	Other	Compliance	Semiannual Emission Guideline Excess Emission Report (The "H" Report) July 1 - December 31, 2020

Activity Date	Activity Type	Compliance Status	Comments
04/06/2021	ROP Annual Cert	Compliance	The Annual Compliance Report pursuant to MI-ROP-N1604-2018 was received on time and complete. A total of eight (8) deviations were reported for the reporting period. The deviations were for FGCOMBUSTORS. The deviations were for periods where they did not collect 100% of the available operational monitoring data and that there were periods of CEMS/COM downtime, primarily associated with routine maintenance. Other deviations were for the 1-hour block CO limit attributable to a feed table plug, and in part to waste with a higher HHV than normal. The facility reported the reduction in baghouse carbon feed rate prior to testing, as allowed by federal regulation/ROP.
04/06/2021	ROP SEMI 2 CERT	Compliance	The Semi-Annual Compliance Report pursuant to MI-ROP-N1604-2018 was received on time and complete. Two (2) deviations were reported for the reporting period. The deviations were for FG-COMBUSTORS and were for periods of CEMs and COMs downtimes and for not collecting 100% of the operational monitored data from the combustors, including differential pressure for the baghouses, scrubber, and temperatures.
04/06/2021	CAM Excursions/Exceedances	Compliance	The CAM excursion/exceedance report was received on time and complete. No excursions or exceedances were reported for the reporting period. No further action is necessary at this time.
04/06/2021	CAM monitor downtime	Compliance	The CAM monitor downtime report was received on time and complete. Two (2) instances of downtime was reported for FGCOMBUSTERS and the baghouses associated with both units having communication errors for less than one (1) hour each. This was also reported as a deviation. This did not result in any exceedances.
02/23/2021	Other	Compliance	Review of 4th Quarter EER and Continuous Monitoring System.

Activity Date	Activity Type	Compliance Status	Comments
02/23/2021	Excess Emissions (CEM)	Compliance	The 3rd Quarter Excess Emission and Monitoring Systems Performance Report was received on time and complete. The submittal was made in accordance with MI-ROP-N1604-2018, FGCOMBUSTORS. See Activity Report: CA_N160457031 for additional Details.
12/29/2020	Excess Emissions (CEM)	Compliance	The 3rd Quarter Excess Emission and Monitoring Systems Performance Report was received on time and complete. The submittal was made in accordance with MI-ROP-N1604-2018, FGCOMBUSTORS Special Condition No. VII.7 and VII.8 and the underlying applicable requirements of 40 CFR 60.7(c), R 336.2170 and Rule 336.1213(3). See Activity Report: CA_160456484 for additional Details.
12/29/2020	Other	Compliance	Review of the 3rd quarter EER and Monitoring Systems Performance.
09/30/2020	CAM Excursions/Exceedances	Compliance	The facility reported two CAM excursions, both associated with the baghouse pressure drop on Unit 1. The pressure drop was below the 4.0" 1 hour average minimum (reported 3.0" and 3.4"). One incident was associated with startup and one associated with an ID fan coupling failure.
09/30/2020	CAM monitor downtime	Compliance	The facility reported 8 CAM monitor downtime events. 5 events associated with Unit 1 and 3 events associated with Unit 2. All of the downtime events were associated with baghouse pressure drop. Nearly all of the events were caused by communication errors or failures. The longest time period of an event was 3.62 hrs.
09/29/2020	NSPS (Part 60)	Compliance	Semiannual Compliance with Subpart Cb (G & H) reports See activity report No.CA_N160455490 (G) and CA_N160455507 (H) for details.
09/29/2020	Other	Compliance	Semiannual Emission Guideline Operating and Data Availability Summary Report (The "G" Report) January 1, 2020 - June 30, 2020

Activity Date	Activity Type	Compliance Status	Comments
09/29/2020	Other	Compliance	Semiannual Emission Guideline Excess Emission Report (The "H" Report) January 1 - June 30, 2020
09/28/2020	ROP Semi 1 Cert	Compliance	Facility reported three deviations of the 1-hour block CO limit. One event was attributed to a feed table plug, and two events were attributed in part to waste with a higher HHV than normal. The facility reported the reduction in baghouse carbon feed rate prior to testing, as allowed by federal regulation/ROP. The facility also reported that they had periods where they did not collect 100% of the available operational monitoring data and that there were periods of CEMS/COM downtime, primarily associated with routine maintenance.
09/25/2020	Excess Emissions (CEM)	Compliance	2nd Quarter Excess Emissions and Monitoring Systems Performance Report See Report No. CA_N160455409 for details
09/25/2020	Other	Compliance	2nd Quarter Excess Emissions and Monitoring Systems Performance Report

Name: Kaitlyn Dorn

Date: 7/14/2021

Supervisor: HH