

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> Kent County Waste to Energy Facility	<b>SRN :</b> N1604
<b>Location :</b> 950 Market Ave SW	<b>District :</b> Grand Rapids
	<b>County :</b> KENT
<b>City :</b> GRAND RAPIDS <b>State:</b> MI <b>Zip Code :</b> 49503	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Kaitlyn DeVries
<b>FCE Begin Date :</b> 6/3/2022	<b>FCE Completion Date :</b> 6/2/2023
<b>Comments :</b> FY 2023 FCE	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
05/05/2023	Excess Emissions (CEM)	Compliance	The 1st Quarter 2023 Excess Emission and Monitoring Systems Performance Report
05/05/2023	Other	Compliance	This report is the review of the Quarterly Emission Guideline Excess Emission Report for the reporting period of January 1, 2023 - March 31, 2023.
05/02/2023	On-site Inspection	Compliance	The purpose of the inspection was to determine compliance with MI-ROP-N1604-2018a.
04/06/2023	ROP SEMI 2 CERT	Compliance	The Semi-Annual Compliance Report Pursuant to MI-ROP-N1604-2018 was received on time and complete. Five (5) deviations were reported for the reporting period. The Deviations were for FG-Combustors. The deviations were for CEM/COM downtime due to communication errors, and for not capturing 100% of the data availability for the monitored parameters. This was due to communication failures with the DAS.

Activity Date	Activity Type	Compliance Status	Comments
04/06/2023	ROP Annual Cert	Compliance	The Annual Compliance Report pursuant to MI-ROP-N1604-2020 was received on time and complete. A total of 12 deviations were reported for the reporting period. The deviations were for FG-Combustors. The deviations were for CEM/COM downtime due to communication errors, and for not capturing 100% of the data availability for the monitored parameters. This was due to communication failures with the DAS.
04/06/2023	CAM Excursions/Exceedances	Compliance	The CAM excursion/exceedance report pursuant to MI-ROP-1604-2018 was received on time and complete. No excursions or exceedances were reported during the reporting period.
04/06/2023	CAM monitor downtime	Compliance	The CAM monitor downtime report pursuant to MI-ROP-1604-2018 was received on time and complete. Two instances of downtime were reported for FG-Combustors. One was from Unit 1 and the other Unit 1, lasting 4.73 and 4.8 hours each, both from a communication failure with the unit.
04/06/2023	NSPS (Part 60)	Compliance	Semiannual Emission Guideline Operating and Data Availability Summary Report (G Report)
04/06/2023	Other	Compliance	The Semiannual Emission Guideline Operating and Data Availability Summary Report (The "G" Report) for the time frame of July 1 - December 31, 2022.
03/21/2023	Excess Emissions (CEM)	Compliance	4th Quarter 2022 Excess Emissions and Monitoring Systems Performance Report
03/21/2023	Excess Emissions (CEM)	Compliance	Semiannual Emission Guideline Excess Emission Report (The "H" Report)
03/21/2023	Other	Compliance	4th Quarter Excess Emissions and Monitoring Systems Performance Report
03/21/2023	Other	Compliance	This report is the review of the Semiannual Emission Guideline Excess Emission Report (The "H" Report) for the reporting period of July 1 - December, 2022
11/02/2022	Other	Compliance	2022 Stack Test Results Review

Activity Date	Activity Type	Compliance Status	Comments
11/01/2022	Excess Emissions (CEM)	Compliance	3rd Quarter 2022 Excess Emissions and Monitoring Systems Performance Report
11/01/2022	Other	Compliance	3rd Quarter Excess Emissions and Monitoring Systems Performance Report
10/11/2022	ROP Semi 1 Cert	Compliance	The Semi-Annual compliance report pursuant to MI-ROP0-N1604-2018 was received on time and complete. A total of seven (7) deviations were reported or the reporting period. All of the deviations were for FGCOMBUSTORS. Four (4) of the deviations were for the units startups due to power outages where the baghouse differential pressure dropped below the required 3.5 limit. The longest instance of this lasted for 8 hours. The other deviations were for not collecting 100% of the data from the DAS system, not having a certified operator on site, and CEM/COM downtime.
10/11/2022	CAM Excursions/Exceedances	Compliance	The CAM excursion/exceedance report was received on time and complete. The facility reported four instances where the pressure drop for the baghouse was out of the specified range. The limit is 3.5" WC, and the pressure drop dipped as low as 2.5. This didn't result in any excess emissions.
10/11/2022	CAM monitor downtime	Compliance	The CAM monitor downtime report pursuant to MI-ROP-1604-2018 was received on time and complete. Downtime was reported for FGCOMBUSTORS for the baghouse, as the pressure drop reading was interrupted on four occasions during power losses and plant trips and communication errors with the monitoring system. The longest duration was for 8 hours.
10/11/2022	NSPS (Part 60)	Compliance	Semiannual Emission Guideline Excess Emission Report (H Report) pursuant to 40 CFR Part 63.59b paragraph h of Subpart Eb as referenced by 40 CFR Part 60.39b of Subpart Cb. See activity report CA_N160465038 for further details

Activity Date	Activity Type	Compliance Status	Comments
10/11/2022	NSPS (Part 60)	Compliance	The Semiannual Emission Guideline Operating and Data Availability Summary Report (The "G" Report) for the time frame of January 1 – June 30, 2022. See Activity Report CA_N160465041 for further details .
10/11/2022	Other	Compliance	This report is the review of the Semiannual Emission Guideline Excess Emission Report (The "H" Report) for the reporting period of January 1 - June 30, 2022
10/11/2022	Other	Compliance	The Semiannual Emission Guideline Operating and Data Availability Summary Report (The "G" Report) for the time frame of January 1 - June 30, 2022.
08/26/2022	CEM RATA	Compliance	<p>The Annual Relative Accuracy Test Audit (RATA) Report for Units 1 and 2 pursuant to the requirements of 40 CFR Part 60 Appendix B and F was received on time and complete. The RATA was conducted on the primary and the backup monitors for Units 1 and 2.</p> <p>For both the primary and the backup CEMS, the results indicated result less than the required absolute mean difference or the relative accuracy (RA) required by the standards.</p>
08/02/2022	ROP Annual Cert	Compliance	The Annual compliance Report pursuant to MI-ROP-2018a was received on time and complete. Six (6) deviations were reported for the reporting period. The deviations have all been previously reported and were for downtime for CEMS, downtime for the baghouses associated with Units 1 and 2, the carbon injection system, and for failing to collect 100% of the data in the DAS system.
08/02/2022	ROP SEMI 2 CERT	Compliance	The Second Semi-Annual Compliance Report was received on time and complete. Three (3) deviations were reported for the reporting period. Two (2) deviations were for the downtime for the baghouses associated with FGCOMBUSTORS (Unit 1 and Unit 2). The third deviation was for several instances of CEMS downtime.

Activity Date	Activity Type	Compliance Status	Comments
08/02/2022	CAM Excursions/Exceedances	Compliance	The CAM excursion/exceedance report was received on time, but was initially missing the certification for the CAM report. This was resubmitted and was on time and complete. No excursions or exceedances were reported for the reporting period. No further action is necessary at this time.
08/02/2022	CAM monitor downtime	Compliance	The CAM monitor downtime report was received on time, and complete. The facility had to-resubmit the certification form as the CAM report was not initially identified, but the form was resubmitted and is complete. Two (2) instances of downtime was reported for FGCOMBUSTERS and the baghouses associated with both units having communication errors for 5.72 hours and 7.3 hours for each instance. These were also reported as deviations. This did not result in any exceedances.
07/22/2022	Excess Emissions (CEM)	Compliance	Quarterly Excess Emissions and Monitoring Systems Performance Report for 2nd Quarter 2022. See Report N160463908 for further information.
07/22/2022	Other	Compliance	2nd Quarter Excess Emissions and Monitoring Systems Performance Report
06/28/2022	Stack Test Observation	Compliance	Stack Test Observation Notes - June 27, 2022 - June 29, 2022
06/28/2022	On-site Inspection	Compliance	The purpose of the inspection was to determine compliance with MI-ROP-N1604-2018a.
06/10/2022	Excess Emissions (CEM)	Compliance	Semiannual Emission Guideline Excess Emission Report (The "H" Report) January 1 - June 30 2021. - See MACES report for further details.

Name: Kaitlyn DeVries

Date: 6/2/2023

Supervisor: HH