

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> ADA COGENERATION LLC	<b>SRN :</b> N1784
<b>Location :</b> 7575 FULTON STREET EAST BLDG 74-1A	<b>District :</b> Grand Rapids
	<b>County :</b> KENT
<b>City :</b> ADA <b>State:</b> <b>Zip Code :</b> 49355	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Michael Cox
<b>FCE Begin Date :</b> 7/13/2022	<b>FCE Completion Date :</b> 7/13/2023
<b>Comments :</b> FY 2023 FCE	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
06/27/2023	On-site Inspection	Compliance	Scheduled Unannounced Inspection
04/11/2023	Excess Emissions (CEM)	Compliance	The 1st Quarter 2023 Excess Emissions Report was received on time and complete. A total of 2,160 operating hours were reported for the reporting period. No downtime or excess emission were reported for the reporting period.
03/28/2023	MAERS	Compliance	MAERS and SCT submittal report certification received on 2/15/23. The reporting group for the turbines and duct burner was separated to be individual emissions. Combination of MAERS EF's, Stack test and CEMS data were used for emissions reporting. All reported emissions. NOx emissions are slightly higher this year in comparison to previous years. This will be verified in the upcoming inspection.
01/31/2023	Excess Emissions (CEM)	Compliance	The 4th Quarter 2022 Excess Emissions Report was received on time and complete. A total of 2,111.4 operating hours were reported for the reporting period. A total of 4.24 hours (0.20%) downtime was reported for the reporting period. The downtime was due to startups and NOx water being injected at an

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01/31/2023	ROP SEMI 2 CERT	Compliance	The Semi-Annual deviation report pursuant to MI-ROP-N1784-2020b was received on time and complete. Two (2) deviations were reported for the reporting period. The deviations were for EUTURBINE, and during normal the water was being injected at an unknown load. Startup was conducted in accordance with the manufacturers guidelines.
01/31/2023	ROP Annual Cert	Compliance	The Annual ROP Certification report pursuant to MI-ROP-N1784-2020b was received on time and complete. All of the deviations were for EUTURBINE, with eight being for the injection of water for NOx control being injected at an unknown load, or not a verifiable load due to startup guidelines for the GE turbine. The last deviation was for a leak in the water injection manifold, which resulted in an excursion for CAM during the first semi-annual.
01/31/2023	CAM Excursions/Exceedances	Compliance	The CAM Excursion/Exceedance report pursuant to MI-ROP-N1784-2020b was received on time and complete. No excursions or exceedances were reported for the reporting period.
01/31/2023	CAM monitor downtime	Compliance	The CAM Monitor downtime report pursuant to MI-ROP-N1784-2020b was received on time and complete. No monitor downtime was reported for the reporting period.
11/01/2022	Excess Emissions (CEM)	Compliance	The third quarter 2022 excess emissions report was received on time and complete. No downtime was reported for the duration of the reporting period. The total operating time for the reporting period was 2,208 hours.

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08/04/2022	Excess Emissions (CEM)	Compliance	The second 2022 excess emissions report was received on time and complete. A total of 0.38%The second quarter 2022 excess emissions report was received on time ad complete. A total of 0.38% downtime was reported, or a total of 7.95 hours out of the total of 2082.52 hours of total operation for the reporting period. The downtime was due to startup/shutdowns, and Nox water being injected at unknown loads. This resulted in the same amount of excess emissions as the emissions are unknown during startup/shutdown.
08/04/2022	ROP Semi 1 Cert	Compliance	The Semi-Annual deviation report was received pursuant to MI-ROP-N1784-2020b. A total of seven (7) deviations were reported for the reporting period. All of the deviations were for EUTURBINE, and six were for the injection of water for NOx control being injected at an unknown load, or not a verifiable load due to startup guidelines for the GE turbine. The last deviation was for a leak in the water injection manifold, which resulted in an excursion for CAM. This was reported in the CAM report.
08/04/2022	CAM Excursions/Exceedances	Compliance	The CAM excursion/exceedance report pursuant to MI-ROP-N1784-2020b was received on time and complete. An excursion was reported for EUTURBINE as there was an instance where there was a leak in the water injection manifold. The leak was identified and was repaired, but this resulted in an excursion since it altered the water to fuel injection ratio slightly.
08/04/2022	CAM monitor downtime	Compliance	The CAM Monitor downtime report pursuant to MI-ROP-N17874-2020b was received on time and complete. No CAM monitor downtime was reported for the reporting period.

Name: Michael T. Cox

Date: 7/13/2023

Supervisor: HH