

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> HOLLAND BOARD OF PUBLIC WORKS-Holland Energy Park	<b>SRN :</b> P0465
<b>Location :</b> 1 Energy Park Way	<b>District :</b> Grand Rapids
	<b>County :</b> OTTAWA
<b>City :</b> HOLLAND <b>State:</b> MI <b>Zip Code :</b> 49423	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Kaitlyn DeVries
<b>FCE Begin Date :</b> 1/24/2019	<b>FCE Completion Date :</b> 1/23/2020
<b>Comments :</b> FY 20 FCE	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
01/09/2020	Scheduled Inspection	Compliance	The purpose of this inspection was to determine compliance with MI-ROP-P0465-2018.
11/14/2019	Excess Emissions (CEM)	Compliance	<p>The 3rd Quarter Excess Emissions pursuant to MI-ROP-P0465-2018 was received on time and complete.</p> <p>Unit 10 reported a total of 2162 hours of operation for the reporting period with 28 hours (1.30%) of downtime reported for CO and 30 hours (1.39%) for NOx CEMs. Neither resulted in excess emissions. For both, the downtime was due to equipment malfunctions and required calibrations.</p> <p>Unit 11 reported a total of 2128 hours of operation for the reporting period. A total of 13 hours (0.61%) of downtime each was reported for CO and NOx CEMS. No excess emissions reported for NOx and CO. In both instances, the downtime was due to calibrations and equipment malfunctions.</p> <p>The results of the Linearity test and the Cylinder Gas Audit was also received. No issues were noted for either.</p>

Activity Date	Activity Type	Compliance Status	Comments
09/25/2019	CAM Excursions/Exceedances	Compliance	The CAM excursion/exceedance report was received on time and complete. The report was first received on July 26, 2019, but without the certification form. This form was subsequently received on August 19, 2019 and therefore deemed complete. No excursions or exceedances were reported for the reporting period.
09/25/2019	CAM monitor downtime	Compliance	The CAM monitor downtime report was received on time and complete. The report was first received on July 26, 2019, but without the certification form. This form was subsequently received on August 19, 2019 and therefore deemed complete. The CO CEMS monitor was reported down on several instances, for a maximum of two (2) hours at a time. The downtime as all due to recalibrations or equipment repair.
09/25/2019	ROP Semi 1 Cert	Compliance	The Semi-Annual Compliance report was received on time and complete. No deviations were reported for the reporting period.

Activity Date	Activity Type	Compliance Status	Comments
09/25/2019	Excess Emissions (CEM)	Compliance	<p>The 2nd Quarter Excess Emissions pursuant to MI-ROP-P0465-2018 was received on time and complete.</p> <p>Unit 10 reported a total of 1883 hours of operation for the reporting period with 3 hours (0.16%) of downtime reported for CO and 6 hours (0.32%) for NOx CEMs. Neither resulted in excess emissions. For both, the downtime was due to equipment malfunctions and required calibrations.</p> <p>Unit 11 reported a total of 1816 hours of operation for the reporting period. A total of 7 hours (0.39%) of downtime each was reported for CO and NOx CEMS. No excess emissions reported for NOx and CO. In both instances, the downtime was due to calibrations and insufficient data periods for averaging.</p> <p>The results of the Linearity test and the Cylinder Gas Audit was also received. No issues were noted for either.</p>
07/31/2019	CEM RATA	Compliance	<p>The Continuous Emission Monitoring Systems (CEMS) Relative Accuracy Test Audit (RATA) report for Units 10 &amp; 11 was received on time and complete. The results for both units indicated RA less than 10% or less than 0.015 lb/mmBTU, as required by 40 CFR Parts 60 and 75. The full results will be evaluated by AQD's TPU.</p>
06/18/2019	Stack Test Observation	Compliance	<p>Observations of RATA for Unit 10</p>

Activity Date	Activity Type	Compliance Status	Comments
05/08/2019	Excess Emissions (CEM)	Compliance	<p>The 1st Quarter Excess Emissions pursuant to MI-ROP-P0465-2018 was received on time and complete.</p> <p>Unit 10 reported a total of 1915 hours of operation for the reporting period with 5 hours (0.26%) of downtime reported for NOx and 7 hours (0.37%) for CO CEMs. Neither resulted in excess emissions. For both, the downtime was due to equipment malfunctions and required calibrations.</p> <p>Unit 11 reported a total of 1816 hours of operation for the reporting period. A total of 7 hours (0.39%) of downtime each was reported for CO and NOx CEMS. No excess emissions reported for NOx and CO. In both instances, the downtime was due to calibrations and insufficient data periods for averaging.</p> <p>The results of the Linearity test and the Cylinder Gas Audit was also received. No issues were noted for either.</p>
04/01/2019	CAM Excursions/Exceedances	Compliance	<p>This report was received late due to it being a new reporting requirement for the facility since ROP issuance. The report is pursuant to MI-ROP-P0465-2018. No CAM excursions or exceedances were reported for the reporting period. The AQD will not take action on the tardiness of this report at this time, with the exception of this being reported as a deviation in the future. No further action is required.</p>

Activity Date	Activity Type	Compliance Status	Comments
04/01/2019	CAM monitor downtime	Compliance	<p>This report was received late due to it being a new reporting requirement for the facility since ROP issuance. The report is pursuant to MI-ROP-P0465-2018. A total of four (4) hours of CEMS CO Monitor downtime was reported all due to repairs and recalibrations of the equipment. This did not result in any exceedances. The AQD will not take action on the tardiness of this report at this time. The AQD will look for this as a deviation during the next reporting period. No further action is required.</p>
04/01/2019	Excess Emissions (CEM)	Compliance	<p>The 4th Quarter Excess Emissions pursuant to MI-ROP-P0465-2018 was received on time and complete.</p> <p>Unit 10 reported a total of 1870 hours of operation for the reporting period with 1 hour of downtime reported for each NOx and CO CEMs. Neither resulted in excess emissions. For both, the downtime was due to equipment malfunctions.</p> <p>Unit 11 reported a total of 1719 hours of operation for the reporting period with no downtime or excess emissions reported for NOx and CO CEMs.</p> <p>The results of the Linearity test and the Cylinder Gas Audit was also received. No issues were noted for either.</p>
04/01/2019	ROP Annual Cert	Compliance	<p>The Annual ROP Certification report pursuant to MI-ROP-P0465-2018 was received on time and complete. The ROP was issued on October 24, 2018, thus starting the reporting period. No deviations were reported for the reporting period.</p>
04/01/2019	ROP SEMI 2 CERT	Compliance	<p>The Semi-annual ROP Certification report pursuant to MI-ROP-P0465-2018 was received on time and complete. The ROP was issued on October 24, 2018, thus starting the reporting period. No deviations were reported for the reporting period.</p>

Activity Date	Activity Type	Compliance Status	Comments
03/27/2019	MAERS	Compliance	The ROP Certification form for MAERS was received 3/14/19. A combination of MAERS EF's, CEM data, and Stack Test Data was used to compile the emissions data. All reported data is consistent with the FY 2019 Inspection data. The 2018 emissions were lower than the 2017 emissions primarily due to better efficiency at the facility since the startup in 2017 and due to fewer required stack tests. 3/27/2019 - KDeVries
03/21/2019	Scheduled Inspection	Compliance	The purpose of this inspection was to determine compliance with MI-ROP-P0465-2018.

Name: Kaitlyn Ashm Date: 1/23/2020 Supervisor: 