

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : DTE Electric Company - Renaissance Power Plant	SRN : N6873
Location : 950 N. Division	District : Grand Rapids
	County : MONTCALM
City : CARSON CITY State: MI Zip Code : 48811	Compliance Status : Compliance
Source Class : MAJOR	Staff : Kaitlyn DeVries
FCE Begin Date : 7/26/2018	FCE Completion Date : 7/25/2019
Comments : FY 2019 FCE	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
07/10/2019	Stack Test Observation	Compliance	Stack Test Observation
07/10/2019	Scheduled Inspection	Compliance	The purpose of this inspection was to determine compliance with MI-ROP-N6873-2015a.
05/08/2019	Excess Emissions (CEM)	Compliance	The required 1st Quarter Excess Emissions Report pursuant to MI-ROP-N6873-2015 was received for Units 01, 02, 03, and 04. Linearity reports and Cylinder Gas Audit (CGA) reports were also included. No excess emissions or monitor downtime was reported for any of the four (4) units. The units had operating times of 7 hours (Unit 1), 7 hours (Unit 2), 3 hours (Unit 3), and 9 hours (Unit 4). The linearity and CGA reports indicated passing results, no issues were noted.
04/23/2019	MAERS	Compliance	ROP Certification form for MAERS received 3/18/19: MAERS EF, Stack Test Data and CEM data was used to produce the reported emissions. The facility operated more in 2018 than it did in 2017, which accounts for the increase in emissions. This has to do with the increased energy demands and the retirement of coal units. No Changes were made to the report. 4.23.2018. KDeVries

Activity Date	Activity Type	Compliance Status	Comments
03/20/2019	ROP Annual Cert	Compliance	This report was received on time and complete (Postmarked 3/15/19). No deviations were reported for the reporting period. No further action is necessary at this time.
03/20/2019	ROP SEMI 2 CERT	Compliance	This report was received on time and complete (Postmarked 3/15/19). No deviations were reported for the reporting period. No further action is necessary at this time.
01/15/2019	Excess Emissions (CEM)	Compliance	The required 4th Quarter Excess Emissions Report pursuant to MI-ROP-N6873-2015 was received for Units 01, 02, 03, and 04. Linearity reports and Cylinder Gas Audit (CGA) reports were also included. No excess emissions or monitor downtime was reported for any of the four (4) units. The units had operating times of 0 hours (Unit 1), 0 hours (Unit 2), 138 hours (Unit 3), and 103 hours (Unit 4). The linearity and CGA reports indicated passing results, no issues were noted.
11/08/2018	CEM RATA	Compliance	The Annual Relative Accuracy Test Audit (RATA) reports for NOx, CO and O2 for Units 1, 2, 3 & 4 were received on time and complete. While the results need to be reviewed by AQD's TPU, the results for all four (units) for NOx, CO, and O2 indicate passing results of <1% of the mean criteria for O2 relative accuracy (RA), < 5ppm mean difference of the RA for CO, and <20% of the RA as ppm for NOx. The results also show that the NOx criteria of < 7.5% for lb/mmbtu was also met.
10/26/2018	Excess Emissions (CEM)	Compliance	The required 3rd Quarter Excess Emissions Report pursuant to MI-ROP-N6873-2015 was received for Units 01, 02, 03, and 04. Linearity reports and Cylinder Gas Audit (CGA) reports were also included. No excess emissions or monitor downtime was reported for any of the four (4) units. The units had operating times of 482 hours (Unit 1), 380 hours (Unit 2), 432 hours (Unit 3), and 455 hours (Unit 4). The linearity and CGA reports indicated passing results, no issues were noted.

Activity Date	Activity Type	Compliance Status	Comments
10/03/2018	ROP Semi 1 Cert	Compliance	This report was received on time and complete (Postmarked 9-14-18). No deviations were reported for the reporting period. No further action is necessary at this time.
08/02/2018	Excess Emissions (CEM)	Compliance	The required Quarterly Excess Emissions Report pursuant to MI-ROP-N6873-2015 was received for Units 01, 02, 03, and 04. Linearity reports and Cylinder Gas Audit (CGA) reports were also included. No excess emissions were reported for any of the four (4) units. The units had operating times of 907 hours (Unit 1), 673 hours (Unit 2), 857 hours (Unit 3), and 889 hours (Unit 4). A total of five (5) hours of downtime as reported for this quarter for all four (4) units combined. Unit 2 reported three (3) hours of NOx CEMS downtime, due to it being out of control (OOC), but the issue was quickly resolved and returned to service. Two (2) hours of downtime were for Unit 4 failing a calibration of the NOx analyzer. The linearity and CGA reports indicated passing results, no issues were noted.

Name: Kaitlyn Doherty

Date: 7/25/2019

Supervisor: 

