

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : DTE Electric Company - Greenwood Energy Center	SRN : B6145
Location : 7000 KILGORE ROAD	District : Warren
	County : SAINT CLAIR
City : AVOCA State: MI Zip Code : 48006	Compliance Status : Compliance
Source Class : MAJOR	Staff : Kaitlyn Leffert
FCE Begin Date : 8/1/2019	FCE Completion Date : 9/29/2021
Comments : Based on the most recent schedule inspection of DTE Greenwood and the ongoing review of required quarterly, semi-annual, and annual reporting, the facility appears to be operating in compliance with all conditions of its ROP and all applicable regulations	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
09/29/2021	ROP Semi 1 Cert	Compliance	Semi-annual ROP Certification for Section 1 of the ROP. One deviation was reported. Opacity that exceeded the Rule 301 opacity limits was observed from the main boiler. One 6-minute average exceeded the limit.
09/29/2021	ROP Semi 1 Cert	Compliance	Semi-annual ROP Certification for Section 2 of the ROP. No deviations reported..
08/26/2021	On-site Inspection	Compliance	FY2021 Inspection
08/12/2021	Excess Emissions (CEM)	Compliance	<p>First Quarter 2021: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7.</p> <p>Reported Sulfur Dioxide Emission Rates: January 2021 - 0.00 lb. SO2/MMBtu February 2021 - 0.00 lb. SO2/MMBtu March 2021 - 0.00 lb. SO2/MMBtu</p> <p>No excess emissions reported.</p>

Activity Date	Activity Type	Compliance Status	Comments
08/12/2021	Excess Emissions (CEM)	Compliance	<p>Second Quarter 2021: Quarterly excess emission monitoring system performance report and quarterly report of monthly sulfur dioxide and opacity emissions rates for Greenwood Energy Center, as required by MI-ROP-B6145-2018, EUBOILER1 VII.4, EUBOILER1 VII.6, and EUBOILER1 VII.7.</p> <p>Reported Sulfur Dioxide Emission Rates: April 2021 - 0.00 lb. SO2/MMBtu May 2021 - 0.00 lb. SO2/MMBtu June 2021 - 0.00 lb. SO2/MMBtu</p> <p>No excess emissions reported.</p> <p>Monthly sulfur dioxide emission rates averages were 0.00 lb SO2/MMBtu for April, May, and June of 2021.</p>
05/21/2021	MAERS	Compliance	<p>MAERS Report Submission. Reported emissions appear to be accurate and no changes were made during audit.</p>
04/30/2021	Excess Emissions (CEM)	Compliance	<p>Fourth Quarter 2020: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7.</p> <p>Reported Sulfur Dioxide Emission Rates: October 2020 - 0.00 lb. SO2/MMBtu November 2020 - 0.00 lb. SO2/MMBtu December 2020 - 0.00 lb. SO2/MMBtu</p> <p>No excess emissions reported.</p>
04/30/2021	NSR Emissions Report	Compliance	<p>2020 NSR Emissions Report. The report indicates that there were no significant emission rate increases for the 2020 reporting year.</p>
04/30/2021	MAERS	Compliance	<p>MAERS ROP Report Certification form accompanying MAERS submittal.</p>

Activity Date	Activity Type	Compliance Status	Comments
04/21/2021	ROP SEMI 2 CERT	Compliance	Second semi-Annual ROP Certification for Section 1 of the ROP. No deviations reported
04/21/2021	ROP Annual Cert	Compliance	Annual ROP Certification for Section 1 of the ROP. No deviations reported
04/21/2021	ROP SEMI 2 CERT	Compliance	Semi-annual ROP Certification for Section 2 of the ROP. No deviations reported.
04/21/2021	ROP Annual Cert	Compliance	Annual ROP Certification for Section 2 of the ROP. No deviations reported
10/09/2020	ROP Other	Compliance	2020 Outage Notification - DTE Electric, Greenwood Energy Center. Greenwood Unit 1 is scheduled to begin a 69-day outage on October 10, 2020.
09/30/2020	Excess Emissions (CEM)	Compliance	Second Quarter 2020: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7. Reported Sulfur Dioxide Emission Rates: April 2020 - 0.00 lb. SO2/MMBtu May 2020 - 0.00 lb. SO2/MMBtu June 2020 - 0.00 lb. SO2/MMBtu No excess emissions reported. Source Operating Hours: 771
09/30/2020	ROP Semi 1 Cert	Compliance	Semi-Annual ROP Certification for Section 1 of the ROP, covering 01/01/2020 through 06/30/2020. No deviations reported.
09/30/2020	ROP Semi 1 Cert	Compliance	Semi-Annual ROP Certification for Section 2 of the ROP, covering 01/01/2020 through 06/30/2020. No deviations reported.

Activity Date	Activity Type	Compliance Status	Comments
07/31/2020	Excess Emissions (CEM)	Compliance	<p>Third Quarter 2020: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7.</p> <p>Reported Sulfur Dioxide Emission Rates: July 2020 - 0.00 lb. SO2/MMBtu August 2020 - 0.00 lb. SO2/MMBtu September 2020 - 0.00 lb. SO2/MMBtu</p> <p>No excess emissions reported.</p> <p>Source Operating Hours: 1,250</p>
06/12/2020	ROP SEMI 2 CERT	Compliance	<p>Semi-Annual ROP Certification for Section 1 of the ROP, covering 07/01/2019 through 12/31/2019. No deviations reported.</p>
06/12/2020	ROP Annual Cert	Compliance	<p>Annual ROP Certification for Section 1 of the ROP, covering 01/01/2019 through 12/31/2019. No deviations reported.</p>
06/12/2020	MAERS	Compliance	<p>MAERS Certification form received March 15, 2020 for Section 1 and 2.</p>
06/12/2020	Excess Emissions (CEM)	Compliance	<p>First Quarter 2020: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7.</p> <p>Reported Sulfur Dioxide Emission Rates: January 2020 - 0.00 lb. SO2/MMBtu February 2020 - 0.00 lb. SO2/MMBtu March 2020 - 0.00 lb. SO2/MMBtu</p> <p>No excess emissions reported.</p> <p>Source Operating Hours: 766</p>
06/01/2020	MACT (Part 63)	Compliance	<p>Report to certify compliance with 40 CFR 63 Subpart DDDDD (63.7550(c)(1)).</p>

Activity Date	Activity Type	Compliance Status	Comments
04/21/2020	MAERS	Compliance	MAERS Report Submission. Reported emissions appeared to be accurate and no changes were made during audit.
03/12/2020	ROP Annual Cert	Compliance	Annual ROP Certification for Section 2 of the ROP, covering 01/01/2019 through 12/31/2019. No deviations reported.
03/12/2020	ROP SEMI 2 CERT	Compliance	Semi-Annual ROP Certification for Section 2 of the ROP, covering 07/01/2019 through 12/31/2019. No deviations reported.
02/28/2020	NSR Emissions Report	Compliance	2019 NSR Emissions Report. The report presents a comparison of baseline and actual emissions, which indicate that there was no significant change in emissions.
01/31/2020	Excess Emissions (CEM)	Compliance	<p>Fourth Quarter 2019: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7.</p> <p>Reported Sulfur Dioxide Emission Rates: October 2019 - 0.00 lb. SO2/MMBtu November 2019 - 0.00 lb. SO2/MMBtu December 2019 - 0.00 lb. SO2/MMBtu</p> <p>No excess emissions reported.</p> <p>Source Operating Hours: 672</p>
01/09/2020	Stack Test	Compliance	Interoffice communication from David Patterson (Field Operations) confirming that the PM emissions testing report had been reviewed. Measured emissions were 0.001 lbs./ 1,000 lbs. at 50% Excess Air (EA). This is below the permit limit for PM of 0.1 lbs./ 1,000 lbs. at 50% EA.

Activity Date	Activity Type	Compliance Status	Comments
11/08/2019	Excess Emissions (CEM)	Compliance	<p>Third Quarter 2019: Quarterly Excess Opacity Emissions Report, per EUBOILER1.VII.6. Quarterly Excess Emission Monitoring System Performance Reports, per EUBOILER1.VII.4. Quarterly report of monthly average Sulfur Dioxide Emission Rate, per EUBOILER1.VII.7.</p> <p>REPORTED: July 2019 - 0.00 lb. SO2/MMBtu August 2019 - 0.00 lb. SO2/MMBtu September 2019 - 0.00 lb. SO2/MMBtu</p> <p>STACK 1 (EUBOILER1) Source Operating Hours: 1,494</p> <p>NOx UNIT 1 (EUBOILER1): Excess emissions: 0.0%, 0 hours CEM Downtime: 0.0%, 0 hours.</p> <p>Opacity UNIT 1 (EUBOILER1): Operating time: 91,404 minutes. Excess emissions: 0.0%, 0 minutes. CEM Downtime: 0.2%, 144 minutes.</p> <p>SO2 UNIT 1 (EUBOILER1): Excess emissions: 0.0%, 0 hours CEM Downtime: 0.1%, 1 hours.</p>
10/04/2019	ROP Semi 1 Cert	Compliance	Semi-Annual ROP Certification for Section 2 of the ROP, covering 01/01/2019 through 06/30/2019. No deviations reported.
10/04/2019	ROP Semi 1 Cert	Compliance	Semi-Annual ROP Certification for Section 1 of the ROP, covering 01/01/2019 through 06/30/2019. No deviations reported.
08/27/2019	Scheduled Inspection	Compliance	FY2019 Scheduled Inspection. Based on the inspection and review of the required recordkeeping, Greenwood Energy Center appears to be in compliance all conditions of ROP-B6145-2018 and all applicable air quality rules and regulations.
08/15/2019	Stack Test	Compliance	ROP Emissions Test Report, EUBOILER1 Particulate Matter Unit 1 PM Emission Test Result: 0.001 lb./1000 lbs. Permit Limit: 0.10 lb./1000 lbs.

Name: *Kaitlyn Jeffers* Date: 09/29/2021

Supervisor: *K. Kelly*