

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : DTE Electric Company - Monroe Power Plant	SRN : B2816
Location : 3500 E FRONT ST	District : Jackson
	County : MONROE
City : MONROE State: MI Zip Code : 48161	Compliance Status : Compliance
Source Class : MAJOR	Staff : Brian Carley
FCE Begin Date : 5/1/2015	FCE Completion Date : 5/11/2016
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
05/11/2016	CAM Excursions/Exceedances	Compliance	CAM Excursion Report, per FG-BLR-1-4 S-1, VII.7 They reported no exceedances/excursions. The report is acceptable as submitted.
05/11/2016	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Date Report for Total Suspended Particulate, March 2016 They reported no exceedances. The report is acceptable as submitted.
05/11/2016	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, CO, CO2, NOx, SO2 and Pm Excess Emission and Downtime Reports. The facility reported no excess emissions occurred during the reporting period. The report is acceptable as submitted.
05/06/2016	Stack Test	Compliance	Report on Mercury RATA Testing - Unit 3 They reported that the Unit 3 Hg Sorbent Trap passed its RATA.
05/06/2016	Stack Test	Compliance	Relative Response Audit (RRA) Test Report for Particulate Matter Continuous Emissions Monitoring System (PM CEMs) on the exhaust of Unit 1 They reported that the PM CEMS passed its RRA, TPU will review the results
05/06/2016	Stack Test	Compliance	Report on Mercury RATA Testing - Unit 3 They reported that the Unit 3 Hg Sorbent Trap passed its RATA.

Activity Date	Activity Type	Compliance Status	Comments
03/30/2016	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Date Report for Total Suspended Particulate, February 2016 They reported one exceedance at their dock TSP monitor on February 12, 2016. An analysis of the filter showed that it was 80% coal dust and 20% limestone. At this time no enforcement action is necessary. The report is acceptable as submitted.
03/25/2016	ROP SEMI 2 CERT	Compliance	No deviations reported. The report is acceptable as submitted.
03/25/2016	ROP Annual Cert	Compliance	No deviations reported. The report is acceptable as submitted.
03/25/2016	ROP SEMI 2 CERT	Compliance	No deviations reported. The report is acceptable as submitted.
03/25/2016	ROP Annual Cert	Compliance	No deviations reported. The report is acceptable as submitted.
03/17/2016	NSR Emissions Report	Compliance	2015 NSR Emissions Report and 2015 Annual Emissions Analysis for the Monroe Power Plant. The report is acceptable as submitted.
03/17/2016	MACT (Part 63)	Compliance	Notification of Compliance Status Report for IB MACT 40CFR63 Subpart DDDDD. The notification is acceptable as submitted.
03/11/2016	Stack Test	Compliance	Report on Mercury RATA Testing, Unit 1 They reported that they passed the RATA. The report is acceptable as submitted.
03/11/2016	Stack Test	Compliance	Report on Mercury RATA Testing - Unit 2 They reported that they passed the RATA. The report is acceptable as submitted.
03/11/2016	CEM RATA	Compliance	Relative Response Audit (RRA) Test Report for Particulate Matter Continuous Emissions Monitoring System (PM CEMs) on the exhaust of Unit 3 They reported that they passed the RRA. The report is acceptable as submitted.
03/08/2016	Scheduled Inspection	Compliance	Scheduled Inspection March 8 and 9, 2016
02/18/2016	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Date Report for Total Suspended Particulate, January 2016 The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
02/16/2016	ROP Other	Compliance	FGBLRS-1-4-S1 NOx Allowance Deduction Information The report is acceptable as submitted.
02/08/2016	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, CO, CO2, NOx, SO2 and Pm Excess Emission and Downtime Reports. The facility reported no excess emissions occurred during the reporting period. The report is acceptable as submitted.
02/01/2016	Stack Test	Compliance	Relative Response Audit (RRA) PM CEMS, Unit 2 - FGD Stack. The report stated the PM CEMS for Unit 2 passed the RRA. TPU will review the details of the report. Unless any issues are raised by TPU during their review, at this time the report is acceptable as submitted.
01/12/2016	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, December 2015 Acceptable as submitted.
01/12/2016	ROP Other	Compliance	REVISED - DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, November 2015. Acceptable as submitted.
01/12/2016	Stack Test	Compliance	Test Protocol: Mercury Sorbent Tube Monitoring System Certification RATA (MATS) DTE Monroe Power Plant-Units 1 through 4, Monroe, Michigan Acceptable as submitted.
12/14/2015	ROP Other	Compliance	November report of the 24-hour National Ambient Air Quality Standard for the TSP (Total Suspended Particulate) Air Monitors at Monroe Power Plant No excursions reported. The report is acceptable as submitted.
12/01/2015	ROP Other	Compliance	FG-BLRS-1-4-S1 NOx Allowance Deduction Information per Table F -01.1, Sec. VI2. The report is acceptable as submitted.

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12/01/2015	ROP Other	Compliance	They reported two excursions at the Dock TSP Air Monitor due to dry conditions and high winds. They reported a reading of 197 microgram/cubic meter and 154 microgram/cubic meter on 10/15/15 and 10/21/15, respectively. This assumes that all the particulate collected is PM10 in size or smaller. Majority of the sample that was coal dust was greater in size than 10 microns. No enforcement action is necessary. The report is acceptable as submitted.
11/12/2015	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, CO, CO2, NOx and PM Excess Emission and Downtime Reports. They reported no exceedances of the SO2, CO, CO2, NOx, PM emission limits for all four units. TPU will review the monitor downtime. The report is acceptable as submitted.
10/19/2015	ROP Other	Compliance	DTE Energy Electric Co Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, September 2015 Report is acceptable as submitted.
10/08/2015	ROP Semi 1 Cert	Compliance	They accidentally marked that they had deviations during the first 6 months when they in fact did not. They submitted a revised report certification that shows the correct box marked post marked 9-30-15. The report is acceptable as submitted with the revision.
09/25/2015	CAM Excursions/Exceedances	Compliance	CAM Excursion Report, per FG-BLR-1-4-S1, VII.7
09/25/2015	ROP Semi 1 Cert	Compliance	The report is acceptable as submitted.
09/21/2015	ROP Other	Compliance	DTE Energy Electric Co Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, August 2015 Report is acceptable as submitted.
09/14/2015	ROP Other	Compliance	DTE Energy Electric Co Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, July 2015 Report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
09/08/2015	Stack Test	Compliance	Emission Testing on the exhaust of Unit 3 required by PTI 27-13. Test Report for (PM) PM10, Visible Emissions, Sulfuric Acid Mist (H2SO4), Hydrogen Chloride (HCl), Hydrogen Fluoride (HF), Arsenic (As), Lead (Pb), Mercury (Hg) and Volatile Organic Compounds (VOC) . The report said that they were in compliance with their PM, PM10, VEs, H2sO4, HCl, HF, As, Pb, and Hg emission limits. They are going to have redo the VOC stack test due to analyzer data was not recorded. They have since retested for VOC's.
09/02/2015	Stack Test	Compliance	Test Report for Volatile Organic Compounds (VOC) Emissions testing on the exhaust of Unit 3 at Monroe Power Plant (Permit to Install PTI#27-13). This testing was completed as a re-test from the April 15-16, 2015 VOC testing. Results show that are in compliance with their limit. If necessary, TPU may review the results further.
09/02/2015	Other Non ROP	Compliance	2015 Outage Notification DTE Electric, Monroe Power Plant, Unit 3 - Received and filed.
08/10/2015	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, SO2, CO, PM, and NOx Excess Emission and Downtime Reports. They reported no exceedances of any previous mentioned pollutants. The report is acceptable as submitted.
08/04/2015	Malfunction Abatement Plan	Compliance	Revision pursuant to the requirements Special Condition III.2 of EU-REFHS&BL-S1 of Permit to Install #27-13. Received a revision of the submittal after discussing items that needed to be added to the MAP with Nick Diedrich, DTE on July 23, 2015. Approved on August 4, 2015.
05/21/2015	Stack Test	Compliance	Particulate matter (PM) monitor correlation testing on Unit 4, November12-December 18, 2014 and April 2, 2015. The report will be reviewed by TPU.

Activity Date	Activity Type	Compliance Status	Comments
05/21/2015	Stack Test	Compliance	Particulate matter (PM) monitor correlation testing on Unit 1, November 28-December 8, 2014, January 27, 2015 and March 31, 2015. The report will be reviewed by TPU.
05/21/2015	Stack Test	Compliance	Relative Accuracy Test Audit (RATA) Report Mercury (Hg) Sorbent Trap Monitoring System (STMS) Unit 1 FGD Stack They reported that the Unit 1 Hg sorbent trap monitoring system had passed its RATA. The report is acceptable as submitted.
05/13/2015	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, SO2, CO, CO2 and NOx Excess Emission and Downtime Reports. They reported no excess emissions for the reporting period. The report is acceptable as submitted. This is a Revision to the Original Report sent on April 29, 2015 which had an additional 3 hours of Unit 2's NOx CEMS monitor downtime total.
05/12/2015	Stack Test	Compliance	Compliance Test Report for PM, PM10, Visible Emissions, Sulfuric Acid Mist, Hydrogen Chloride, Hydrogen Fluoride, Arsenic, Lead, Mercury, and VOCs, Unit 4-FGD Stack They reported complying with all permitted limits tested for. The report is acceptable as submitted.
05/08/2015	CAM Excursions/Exceedances	Compliance	They reported no excursions during the reporting period. The report is acceptable as submitted.
05/08/2015	CAM monitor downtime	Compliance	They reported 19 incidents of opacity monitor downtime for Unit 2 for a total of 1,098 minutes during the reporting period. The report is acceptable as submitted.
05/08/2015	ROP Annual Cert	Compliance	They reported one deviation for the reporting period. The report is acceptable as submitted.
05/08/2015	ROP SEMI 2 CERT	Compliance	The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
05/08/2015	Stack Test	Compliance	Compliance Test Report for PM, PM10, Visible Emissions, Sulfuric Acid Mist, Hydrogen Chloride, Hydrogen Fluoride, Arsenic, Lead, Mercury, and Volatile Organic Compounds, Unit 2-FGD Stack They reported complying with all permitted limits tested for. The report is acceptable as submitted.
05/08/2015	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, SO2, CO, CO2 and NOx Excess Emission and Downtime Reports. They reported no excess emissions for the reporting period. The report is acceptable as submitted.
05/05/2015	MAERS	Compliance	ROP Cert 3-16-15. See comments in MAERS. With the changes made, the report is acceptable.

Name:

Ben Carley

Date:

5/11/16

Supervisor:

