

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 : 6/1/2014		FCE Completion Date : 6/1/2015
Comments : Even though a consent order has not been finalized for the VN's that have been issued, they have come back into compliance with a permit modification and stack tests that show they are meeting their PM limits.		

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
05/21/2015	Stack Test	Compliance	Particulate matter (PM) monitor correlation testing on Unit 4, November 12-December 18, 2014 and April 2, 2015. The report will be reviewed by TPU.
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.
05/12/2015	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.

Activity Date	Activity Type	Compliance Status	Comments
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	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.
05/08/2015	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.
05/05/2015	MAERS	Compliance	ROP Cert 3-16-15. See comments in MAERS. With the changes made, the report is acceptable.
04/09/2015	Stack Test	Compliance	Quarterly Test Report for Particulate Matter (PM) on the exhaust of Unit 1 at DTE Monroe Power Plant (PTI #27-13). They reported an average PM emission of 0.002 lb/mmBtu. Unless stated otherwise by TPU, the report is acceptable as submitted.
04/09/2015	Stack Test	Compliance	Test Report (Revision 2) for Particulate Matter (PM) Monitor Correlation Certification Testing on Unit 2 at Monroe Power Plant. The report will be reviewed by TPU before certification is complete.
04/09/2015	Stack Test	Compliance	Test Report (Revision 2) for Particulate Matter (PM) Monitor Correlation Certification Testing on Unit 3. The report will be reviewed by TPU before certification is complete.
03/24/2015	ROP Annual Cert	Compliance	The report is acceptable as submitted.
03/24/2015	ROP SEMI 2 CERT	Compliance	The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
03/12/2015	NSR Emissions Report	Compliance	2014 NSR Emissions Report Unit 2 - Revised. They revised the baseline period for Unit 2. The report is acceptable as submitted.
03/12/2015	NSR Emissions Report	Compliance	Required under R 336.2818(3)(d). They did send in a revision for Unit 2 (see 3/11/14 submittal) The report is acceptable as submitted.
03/12/2015	NSR Emissions Report	Compliance	Required under Permit #27-13. The report is acceptable as submitted.
03/09/2015	Scheduled Inspection	Compliance	Scheduled Inspection on March 9th and 10th, 2015
03/05/2015	ROP Other	Compliance	FGBLRS-1-4-S1 NOx Allowance Deduction Information. The submittal is acceptable.
03/05/2015	Excess Emissions (CEM)	Compliance	They reported no excess emissions. The report is acceptable as submitted.
01/14/2015	ROP Other	Compliance	FG-BLRS-1-4-S1 NOx Allowance Deduction Information per Table F -01.1, Sec.VI.2.
01/14/2015	Stack Test	Compliance	RATA Mercury (Hg) Sorbent Trap monitoring Systems (STMS), Units 3 & 4 - FGD Stack
11/06/2014	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, SO2, CO, and NOx Excess Emission and Downtime Reports. No exceedances were reported. The report is acceptable as submitted.
10/28/2014	Stack Test	Compliance	Continuous Particulate Matter Monitoring Systems Certification Test Protocol Units 1,2,3,4
10/15/2014	CEMS Test Observation	Compliance	Unit 4 Hg RATA
10/14/2014	Stack Test	Compliance	CEMS Unit 2 certification results. The monitors passed their 7 day drift test, cycle time test, linearity test, NOx, SO2, CO, CO2, high load flow rate, mid load flow rate, low load flow rate, and HG relative accuracy tests. They did determine that they will have to include a bias adjustment factor for low load flow rate flow B and flow A and B, mid load flow rate flow A, flow B, and flow A and B, high load flow rate flow B and flow A and B, and NOx (lb/mmBtu) CEM results until they pass the bias test in future RATAs. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
09/23/2014	Stack Test	Compliance	Unit 1, 3 & 4 FGD Stack for PM Emissions Results. Unit 4 passed with a result of 0.009 lb/mmBtu. Unit 1 failed with a result of 0.014 lb/mmBtu and Unit 3 failed with a result of 0.013 lb/mmBtu. A violation notice was sent for the two failures.
09/23/2014	Stack Test	Compliance	Unit 1 & 3 FGD Stack for PM Emissions Results. The retesting using EPA Method 5B with quartz filters has Unit 1 passing with 0.007 lb/mmBtu and Unit 3 passing with 0.005 lb/mmBtu. These results have Units 1 and 3 back into compliance.
09/18/2014	ROP Semi 1 Cert	Compliance	They reported one deviation for opacity exceedances that had been previously reported in quarterly excess emission reports. The report is acceptable as submitted.
09/18/2014	CAM Excursions/Exceedances	Compliance	They reported no excursions or exceedances for the reporting period. The report is acceptable as submitted.
09/18/2014	CAM monitor downtime	Compliance	They reported 1,098 minutes of monitor downtime out of 91,650 minutes of operation during the first quarter of 2014. This downtime had been previously reported in the 1st quarter excess emission report. The report is acceptable as submitted.
09/16/2014	ROP Semi 1 Cert	Compliance	No deviations reported. The report is acceptable as submitted.
08/19/2014	Stack Test Observation	Pending	PM Stack Re-Test of Unit 3
08/06/2014	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, SO2, CO, and NOx Excess Emission and Downtime Reports. They reported no excess emissions for all parameters for all four units. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
08/06/2014	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, June 2014. They reported one air monitor excursion of 173 micrograms/cubic meter exceeding the PM10 level of 150 micrograms/cubic meter at their dock TSP monitor. 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.
07/30/2014	Stack Test Observation	Compliance	Unit 1 PM retest using both RM 5 and 5B with different filters.
07/21/2014	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 1-FGD Stack test results show that they were in compliance with their permitted limits for this unit. The results are acceptable as submitted.
07/21/2014	Stack Test	Compliance	Test report for the quarterly Particulate Matter (PM) emissions testing for exhaust of Unit 3 and 4. The report shows that they were below their permitted limits of 0.011 lbs/mmBtu for each unit. The report is acceptable as submitted.
07/09/2014	Stack Test Observation	Non Compliance	Quarterly PM test on Units 1, 3, and 4

Name:

Brian C. [Signature]

Date:

6/1/15

Supervisor:

[Signature]