

## 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 : Non Compliance
Source Class : MAJOR		Staff : Brian Carley	
FCE Begin Date : 4/1/2017		FCE Completion Date :	4/23/2018
Comments : It was determined to be in non compliance due to failure to conduct annual PM2.5 stack tests			

## List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
04/17/2018	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for PM10, March 2018 They reported no exceedances. The report is acceptable as submitted.
04/10/2018	MAERS	Compliance	ROP Cert Received 3-15-18, Section 1 & 2 Review completed after additional information was received (see file). The report is acceptable as submitted.
03/26/2018	ROP Annual Cert	Compliance	They reported no deviations. The report is acceptable as submitted.
03/26/2018	ROP SEMI 2 CERT	Compliance	They reported no deviations. The report is acceptable as submitted.
03/26/2018	ROP Annual Cert	Compliance	They reported a deviation in the first semi-annual report of a PM monitor downtime due to failed PM RRA. They then modified that deviation report in the second semi-annual report stating it was actually that they did not follow the MAP monitoring requirement of daily VE observations and counted the modification as a deviation. The report is acceptable as submitted.
03/26/2018	ROP SEMI 2 CERT	Compliance	They modified a previous deviation report and counted the modification as a deviation. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
03/26/2018	CAM Excursions/Exceedances	Compliance	Cam Excursion Report They reported no CAM excursions/exceedances for the reporting time period. The report is acceptable as submitted.
03/26/2018	MACT (Part 63)	Compliance	Semi-Annual MATS Compliance Report At time of receiving report, AQD doesn't have delegation for this MACT. EPA will make final compliance determination.
03/26/2018	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Daily Data Report for PM10, February 2018 They reported no exceedances. The report is acceptable as submitted.
03/26/2018	CAM monitor downtime	Compliance	They reported no CAM monitor downtime for the reporting period. The report is acceptable as submitted.
03/20/2018	Scheduled Inspection	Non Compliance	Scheduled inspection
03/05/2018	Other Non ROP	Compliance	Actual to Projected Actual Emission Comparison Report The report is acceptable as submitted.
03/05/2018	NSR Emissions Report	Compliance	2017 NSR Emission Report The report is acceptable as submitted.
03/05/2018	Other Non ROP	Compliance	Revision of outage notice for Unit 3 that was originally dated August 26, 2015. Received and filed.
03/05/2018	Other Non ROP	Compliance	Revision of outage notice for Unit 1 that was originally dated February 26, 2016. Received and filed.
03/01/2018	Malfunction Abatement Plan	Compliance	Limestone and Gypsum Handling Control Equipment Malfunction Abatement Plan The MAP was approved on 3/2/18.
03/01/2018	Malfunction Abatement Plan	Compliance	Petroleum Coke Material Handling Malfunction Abatement Plan The MAP was approved on 3/2/18.
03/01/2018	CEM RATA	Compliance	Relative Response Audit (RRA) Particulate Matter Continuous Emissions Monitoring System (PM CEMS), Unit 3-FGD Stack They reported the PM CEMS passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
03/01/2018	CEM RATA	Compliance	Relative Accuracy Test Audit (RATA) Report, Mercury (Hg) Sorbent Trap Monitoring System (STMS)-Probe 1, Unit 1-FGD Stack They reported the Hg STMS passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.
03/01/2018	CEM RATA	Compliance	Relative Accuracy Test Audit (RATA) Report, Mercury (Hg) Sorbent Trap Monitoring System (STMS)-Probe 1, Unit 3-FGD Stack They reported the Hg STMS passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.
03/01/2018	CEM RATA	Compliance	Relative Response Audit (RRA) Particulate Matter Continuous Emissions Monitoring System (PM CEMS), Unit 1-FGD Stack They reported the PM CEMS passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.
02/21/2018	ROP Other	Compliance	DTE Energy Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for PM10. They reported no exceedances of the NAAQS standard for PM10. The report is acceptable as submitted.
02/15/2018	CEM RATA	Compliance	RATA Report - Mercury (Hg) Sorbent Trap Monitoring System (STMS) Probe 1, Unit 2 FGD Stack They reported a relative accuracy of 12.3%, which is means it passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.
02/15/2018	CEM RATA	Compliance	Relative Response Audit (RRA) Particulate Matter Continuous Emissions Monitoring System (PM CEMS) Unit 2 FGD Stack They reported the PM CEMS passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
02/15/2018	CEM RATA	Compliance	Relative Accuracy Test Audit (RATA) Report, Mercury (Hg) Sorbent Trap Monitoring System (STMS) - Probe 1, Unit 4 FGD Stack. They reported a relative accuracy of 17.47%, which means it passed the RATA. Unless TPU determines otherwise, the report is acceptable as submitted.
02/15/2018	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, CO, CO2, NOx, SO2 and PM Excess Emission and Downtime Reports. They reported no excess emissions except for Unit 2 PM on 12/25/17. They reported 14 straight hours of excess PM emissions due to ESP problems. They exceeded their limit by 0.01 and 0.02 lbs/mmBtu. No further action is necessary. The report is acceptable as submitted.
02/15/2018	Stack Test	Compliance	Emission Test Summary Report Dump House Dust Collector (SV-DC24). They reported that the results of the stack test showed that the north outlet had an emission rate of 0.094 lbs/hr and the south outlet had an emission rate of 0.080 lbs/hr. These are well below the permitted limit of 6.44 lbs/hr. Unless TPU determines otherwise, the report is acceptable as submitted.
01/23/2018	Malfunction Abatement Plan	Compliance	Revisions to Malfunction Abatement Plans PTI 27-13B. This MAP is in effect as of 1/23/18.
01/23/2018	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for PM10, December 2017. No exceedances were reported. The report is acceptable as submitted.
12/21/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate and PM10. They reported no exceedances of the PM10 standard. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
12/05/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, October 2017 They reported they had one TSP sample that was 405 ug/m3. They has since installed PM10 monitors and will be able to report PM10 fugitive emissions at this site. No enforcement is necessary at this time. The report is acceptable as submitted.
10/30/2017	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, CO, CO2, NOx, SO2 and PM Excess Emission and Downtime Reports. They reported no excess emissions for the reporting period. The report is acceptable as submitted.
10/30/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, September 2017 They report excursion of 377 micrograms/m3 from their dock TSP monitor due to high winds. They are currently in the process of installing PM10 monitors to replace the TSP monitors. The report is acceptable as submitted.
10/26/2017	ROP Other	Compliance	Notification of Construction Completion and Start-Up of EU-CASCADES-S1 SV-D1 The notification is acceptable as submitted. A copy of the same notification also arrived in the mail on 10/26/17.
10/05/2017	CAM monitor downtime	Compliance	They reported no CAM monitor downtime for the reporting period. The report is acceptable as submitted.
10/03/2017	ROP Semi 1 Cert	Compliance	They reported no deviations. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
10/03/2017	ROP Other	Compliance	DTE Energy Electric Co Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, August 2017 They reported 182 microgram/m3 from their Dunbar Road Total Suspended Particulate Monitor (TSPM) which exceeds the PM10 limit of 150 micrograms/m3 limit. They stated the exceedance was due to construction traffic and high winds at the Ash Basin. They are in the process of replacing the TSPM with a PM10 monitor to show what the actual PM10 emissions are at this site and the Dock site. No enforcement action is required and the report is acceptable as submitted.
10/03/2017	ROP Semi 1 Cert	Compliance	They reported one deviation for PM CEMS downtime due to failed PM Relative Response Test on January 4, 2017 through January 27, 2017. This deviation was previously reported in the first quarter Excess Emission report (see Excess Emission (CEM) report received on 5/1/17 for more details). The report is acceptable as submitted.
10/03/2017	CAM Excursions/Exceedances	Compliance	CAM Excursion Report, per FG-BLR-1-4-S1, VII.7; ROP Deviation Report No exceedances/excursions were reported. The report is acceptable as submitted.
10/03/2017	MACT (Part 63)	Compliance	Received semi-annual MATS report. At time of receiving report, AQD doesn't have delegation for this MACT. EPA will make final compliance determination.
08/23/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, July 2017 No exceedances were reported. The report is acceptable as submitted.
08/03/2017	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages. CO, CO2, NOx, SO2 and PM Excess Emission and Downtime Reports No excess emissions were reported. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
08/02/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, June 2017 They reported one exceedance at the Dock TSP monitor with a reading of 392 micrograms/m3 due to high winds. Have contacted DTE about replacing TSP monitor with a more accurate PM10 monitor and set a meeting on 8/24/17 with them. No enforcement will be taken at this time and the report is acceptable as submitted.
05/23/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, April 2017 Received report via email on 5/19/17 and hard copy on 5/22/17. No exceedances were reported. The report is acceptable as submitted.
05/16/2017	Stack Test	Compliance	Relative Response Audit (RRA), (PM CEMS) The report states that they passed the RRA the Unit 4 PM CEMS. Unless TPU determines that there is an error in the report at this time the report is acceptable as submitted.
05/03/2017	Excess Emissions (CEM)	Compliance	SO2 Monthly Emission Rate Averages, CO, CO2, NOx, SO2 and PM Excess Emission and downtime Reports They reported no excess emissions during the reporting period but did report that the Unit 3 PM CEMS had 562 hrs of downtime due to failed RRA (TPU will handle downtime issue). The report is acceptable as submitted.
05/03/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, March 2017 They reported one exceedance at the dock TSP monitor due to high winds. No enforcement action is necessary at this time. The report is acceptable as submitted.

Activity Date	Activity Type	Compliance Status	Comments
05/01/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, January 2017 They reported two exceedances of the PM10 limit; one at their dock sampler that occurred on 1/7/17 and one at their Dunbar Road sampler on 1/7/17. The cause was due to high winds during the reporting period. No enforcement action is necessary at this time. The report is acceptable as submitted.
05/01/2017	ROP Annual Cert	Compliance	They reported 3 deviations for 2016. Two Letters of Violation were sent to the company for the two time periods where they exceeded the MATS Hg emission limit. The report is acceptable as submitted.
05/01/2017	ROP SEMI 2 CERT	Compliance	They reported one deviation for the reporting time period. A Letter of Violation was sent for the exceedance of the MATS Hg emission limit. The report is acceptable as submitted.
05/01/2017	CAM Excursions/Exceedances	Compliance	CAM Excursion Report, per FG-BLR-1-4-S1, VII.7 They did not report any excursions/exceedances for the reporting time period. The report is acceptable as submitted.
05/01/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, January 2017 - Revised to include data from January 27, 2017. The report is acceptable as submitted.
05/01/2017	ROP Other	Compliance	DTE Energy Electric Company Hi-Volume Samplers, Monroe Power Plant, Daily Data Report for Total Suspended Particulate, February 2017 The report is acceptable as submitted.
05/01/2017	CAM monitor downtime	Compliance	All monitor downtime had been previously reported in quarterly excess emission reports.
04/13/2017	MAERS	Compliance	ROP CERT FOR MAERS 2016, 3-15-17 Additional information was requested and received (see file). The report is acceptable as submitted.



Activity Date	Activity Type	Compliance Status	Comments
04/13/2017	MAERS	Compliance	MAERS Annual Report Submittal The report is acceptable as submitted for this section.
04/06/2017	MAERS	Compliance	MAERS Cert 2016 Review completed after additional information was received (see file). The report is acceptable as submitted.

Name: B. Brundage Date: 4/23/18 Supervisor: 