

B2814  
manila-FCE

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

FCE Summary Report

Facility : DETROIT THERMAL BEACON HEATING PLANT	SRN : B2814
Location : 541 MADISON AVE	District : Detroit
	County : WAYNE
City : DETROIT State: MI Zip Code : 48226	Compliance Status : Compliance
Source Class : MAJOR	Staff : Samuel Liveson
FCE Begin Date : 5/1/2021	FCE Completion Date : 5/19/2022
Comments : From the facility inspection and records review, the facility appears to be in compliance with applicable state and federal regulations.	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
05/19/2022	On-site Inspection	Compliance	Scheduled inspection of a Title V major facility.
05/10/2022	MAERS	Compliance	MAERS report submitted electronically on March 4, 2022. Report appears accurate. Facility uses emission factors from attachment labeled confidential.
05/10/2022	ROP Other	Compliance	2021 MAERS ROP Certification Report Form received
04/20/2022	Other Non ROP	Compliance	PEMS RAA for #6 & #7 boilers. The relative accuracy difference was less than 20% for Boilers 6 and 7, at approximately 50% capacity for each boiler per pg. 8. Note: this report was revised to use bias appropriately. See the revised report received 12/8/2021.
04/20/2022	Excess Emissions (CEM)	Compliance	Revised PEMS downtime & EER reports for 4Q2020, 1Q2021, 2Q2021, and 3Q2021 retroactively applying the bias from the successful 4Q2020 RATA. And revised 2Q2021 RAA report retroactively applying the bias from the successful 4Q2020 RATA. For downtime and EER, no resulted changes. For RAA, some changes; overall the relative accuracy difference was less than 20% for Boilers 6 and 7, at approximately 50% capacity for each boiler per pg. 49.

Activity Date	Activity Type	Compliance Status	Comments
04/19/2022	Excess Emissions (CEM)	Compliance	1Q2021 PEMS Monitor Downtime and EER. The facility reports no excess emissions and 8 hours (0.54%) monitor downtime for Boiler 6 (likely the result of network communication problem). This appears to be a malfunction. No excess emissions or hours monitor downtime were reported for Boiler 7.
04/19/2022	Excess Emissions (CEM)	Compliance	2Q2021 PEMS Monitor Downtime and EER. Boiler 6: no excess emissions or monitor downtime. Boiler 7: no excess emissions. 1 hour (0.21%) monitor downtime. (Invalid readings that hour with cause unknown.) This appears to be a malfunction.
04/19/2022	Excess Emissions (CEM)	Compliance	3Q2021 PEMS Monitor Downtime and EER. The facility reports no excess emissions or monitor downtime for Boiler 6 and Boiler 7.
04/13/2022	ROP Semi 1 Cert	Compliance	No deviations from ROP conditions were reported for the semi-annual reporting period.
03/30/2022	ROP Annual Cert	Compliance	No deviations from ROP conditions were reported for the annual reporting period.
03/30/2022	ROP SEMI 2 CERT	Compliance	No deviations from ROP conditions were reported for the semi-annual reporting period.
03/29/2022	Excess Emissions (CEM)	Compliance	4Q2021 PEMS Monitor Downtime and EER. The facility reports no excess emissions or monitor downtime for Boiler 6 and Boiler 7.
03/28/2022	CEM RATA	Compliance	RATA Results for Boiler 6 and 7 PEMS. The relative accuracy difference was less than 20% for Boilers 6 and 7 (at approximately 67% capacity for each boiler per pg. 9) with biases from previous RATAs properly applied. This demonstrates compliance with 40 CFR Part 60, Appendix B.
11/10/2021	Stack Test Observation	Compliance	Annual Relative Accuracy Test Audit on Boiler 6 and Boiler 7.

Name: AL Date: 6/29/22 Supervisor: JK