

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 : 10/17/2022		FCE Completion Date : 10/17/2023
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
10/01/2023	On-site Inspection	Compliance	Scheduled inspection of a Title V major source.
08/25/2023	Other Non ROP	Compliance	Single mid-year RAA for Boilers 6 and 7 PEMS, in place of quarterly RAAs if PEMS passes all quarterly RAAs in the first year and passes the subsequent yearly RATA in the second year per 40 CFR Part 60 Appendix B and PTI 62-21, FG-BOILER_6,7, Special Condition V.4. The relative accuracy difference was less than 20% for Boilers 6 and 7 (at greater than 50% load per page 8). This demonstrates compliance with 40 CFR Part 60, Appendix B.
07/21/2023	Excess Emissions (CEM)	Compliance	1Q2023 Predictive Emission Monitoring System Monitor Downtime and Excess Emissions Report as required per PTI 62-21, FG-BOILER_6,7 SC VII.2. The report indicates there was no monitor downtime and there were no NOx emissions exceedances for boilers 6 and 7 during this reporting period.

Activity Date	Activity Type	Compliance Status	Comments
05/08/2023	Annual Emissions Report (or MAERS)	Compliance	MAERS report submitted electronically on 2/27/2023. The facility uses emission factors from the facility permit, stack test, and from MAERS as indicated in the attachment. Requested supporting documentation for emission factors on 5/1/23. Received and uploaded supporting documentation 5/8/23.
04/04/2023	ROP Annual Cert	Compliance	No deviations from ROP conditions were reported for the annual reporting period.
04/04/2023	ROP SEMI 2 CERT	Compliance	No deviations from ROP conditions were reported for the semi-annual reporting period.
03/30/2023	CEM RATA	Compliance	PEMS RATA Results for Boilers 6 and 7 tested on October 12, 2022. The relative accuracy mean difference was less than 20% for NOx and O2, and the absolute difference was less than 2 ppm NOx and 1% O2 with boilers operating at 67% of capacity during the RATA per page 3. Results appear to demonstrate compliance with 40 CFR Part 60, Appendix B.
02/21/2023	Excess Emissions (CEM)	Compliance	4Q2022 Predictive Emission Monitoring System Monitor Downtime and Excess Emissions Report as required per Permit to Install 62-21, FG-BOILER_6,7 Special Condition VII.2. The report indicates there was no monitor downtime and there were no NOx emissions exceedances for boilers 6 and 7 during this reporting period.
12/13/2022	Excess Emissions (CEM)	Compliance	3Q2022 PEMS Monitor Downtime and EER. No excess emissions are reported for Boiler 6 or 7. 1 hour of PEMS downtime (out of 1033 operating hours) for Boiler 6. This appears to be due to an invalid reading on September 9 in hour 07 due to a suspected loss of communication. Boiler 7 reported 0.00 hours PEMS downtime.
11/03/2022	ROP Semi 1 Cert	Compliance	No deviations from ROP conditions were reported for the semi-annual reporting period.

Activity Date	Activity Type	Compliance Status	Comments
11/03/2022	Excess Emissions (CEM)	Compliance	2Q2022 PEMS Monitor Downtime and Excess Emissions Report for Boilers 6 and 7. The report indicates there was no downtime and there were no NOx emissions exceedances for boilers 6 and 7 during this reporting period.

Name:  Date: 6/4/24 Supervisor: 