

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : MARQUETTE BOARD OF LIGHT & POWER	SRN : B1833
Location : 400 E HAMPTON SHIRAS STEAM PLANT	District : Upper Peninsula
	County : MARQUETTE
City : MARQUETTE State: MI Zip Code : 49855	Compliance Status : Compliance
Source Class : MAJOR	Staff : Ed Lancaster
FCE Begin Date : 8/1/2015	FCE Completion Date : 8/2/2016
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
07/14/2016	Excess Emissions (CEM)	Compliance	Unit 2: Opacity-6-minutes of excess emissions during start-up/shut down, no CEMS downtime. Unit 3: Opacity monitor -90 minutes of EE during SS; CO2 Inlet and outlet- no EEs, Inlet had 2 hours monitor downtime for maintenance (1-hr) and failed calibration (1-hr or 0.09% of operating time), Outlet 1-hr for maintenance; NOx Outlet-no EEs, 3-hours CEM downtime for failed calibration, 1-hr for maintenance; SO2 Inlet and Outlet-no EEs, Inlet: 1-hr maintenance, 3-hrs failed morning calibration; Outlet: 1-hr maintenance; or downtime reported; SO2 Removal-no EEs.
07/11/2016	Stack Test	Compliance	MBLP demonstrated compliance for mercury during its Low Emitting Electrical (LEE) generating test for Unit 3, as required per 40 CFR 63.10005(h) (1)(ii)(A or B). 40 CFR 63, Subpart UUUUU, the Utility MACT.

Activity Date	Activity Type	Compliance Status	Comments
06/15/2016	Stack Test	Compliance	This test was to demonstrate that Unit 3 qualifies for Low Emitting Electric Generating Unit (LEE) status for filterable particulate matter of 0.015 pounds per mmBtu, as identified in the Mercury and Air Toxics Standards (MATS). The average PM emission rate for Unit 3 was 0.0046 lb/mmBtu.
05/27/2016	MAERS	Compliance	2015 MAERS. Added control efficiency to lead emissions for EUBOILER#3 per Tom Skewis request on May 27, 2016.
03/16/2016	CAM Excursions/Exceedances	Compliance	See file for report. ELL
03/16/2016	CAM Excursions/Exceedances	Compliance	No exceedances reported.
03/16/2016	CAM monitor downtime	Compliance	Opacity monitor for Unit 2 froze up during cycle check for 136 minutes, On 2/23/2015. Opacity monitor for Unit 3 was down for 246 minutes during quarterly audit on 3/10/2015. Opacity monitor for Unit 3 was down for 192 minutes during quarterly audit on 5/12/2015.
03/16/2016	CAM monitor downtime	Compliance	Opacity monitor for Unit 3 down for 114 minutes during quarterly filter audit test on 8/5/2015. Opacity monitor for Unit 3 down for 324 minutes during annual zero alignment audit on 9/24/2015. Opacity monitor for Unit 3 down for 12 minutes for calibration training on 10/19/2015.
03/09/2016	Scheduled Inspection	Compliance	Conducted a scheduled compliance inspection with Joe Scanlan.
02/16/2016	ROP Annual Cert	Compliance	Annual Compliance Certification from 1/1/2015 to 12/31/2015. NR Company had 2 deviations in first semi-annual as previously reported on 9/1/2015. Changed reporting date to reflect the full year. ELL
02/16/2016	ROP SEMI 2 CERT	Compliance	Semi-Annual Report Certification from 7/1/2015 to 12/31/2015. No deviations reported. ELL

Activity Date	Activity Type	Compliance Status	Comments
01/12/2016	Excess Emissions (CEM)	Compliance	Unit 2 did not operate during 4th quarter of 2015. Unit 3: Opacity monitor-no excess emissions; CO2 Inlet and outlet- no EEs, 2 hours monitor downtime for Inlet due to failed calibration (0.09% of operating time); NOx Outlet-no EEs, 2 hours monitor downtime for failed calibration; SO2 Inlet and Outlet-no EEs or downtime reported; SO2 Removal-no EEs.
10/07/2015	Other Non ROP	Compliance	Summary Report for the 2015 Ozone Control Period. Unit 2 is not required to test until 2016 per Rule 801(9)(b)(i) and (ii). Unit 3 emissions are monitored by CEMS and NOx emissions quarterly average was 0.183 pounds per MMBtu, below the limit established in Rule 801(2)(a) of 0.25 pounds per MMBtu.
09/04/2015	CEM RATA	Compliance	Company passed RATA for volumetric flow rate, CO2, SO2 and NOx monitors located on Unit #3.
09/03/2015	ROP Semi 1 Cert	Compliance	Semi-Annual Report Certification for January 1, 2015 to June 30, 2015, entered by NR. Unit 3 had 108 minutes of deviations for exceeding opacity limit, all occurred during startup/shutdown events, except for a ruptured bypass airline on the baghouse and during spring shutdown boiler blasting. Unit 2: 144 minutes exceeding opacity mostly during SU/SD, and a short time for replacing torn bags in bag house. ELL

Activity Date	Activity Type	Compliance Status	Comments
09/03/2015	Excess Emissions (CEM)	Compliance	<p>2015 2nd Qtr. EE Report UNIT 2: Opacity 54 minutes of EE (42 for startup/shutdown; 12 for baghouse problems) and 306 minutes CEM downtime due to QA calibration.</p> <p>Unit 3: Opacity 84 minutes EE startup/shutdown, 12 minutes sensing airline blowing off bypass damper and 42 minutes boiler blasting during spring shut down and 1,140 minutes of CEM downtime due to QA; CO2 inlet and outlets 0% EE, 1 hour down for routine maintenance; NOx outlet same as CO2; SO2 Inlet 0% EE, 2 hours downtime for QA and maintenance, SO2 outlet 1 hour down for maintenance; SO2 removal 2 hours for maintenance and failed calibration. ELL</p>

Name:

E. J. Sencato

Date:

8/2/16

Supervisor:

Dan W. Meli