

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

FCE Summary Report

Facility : ST. CLAIR / BELLE RIVER POWER PLANT	SRN : B2796
Location : 4901 POINTE DR.	District : Southeast Michigan
	County : SAINT CLAIR
City : SAINT CLAIR State: MI Zip Code : 48054	Compliance Status : Compliance
Source Class : MAJOR	Staff : Francis Lim
FCE Begin Date : 9/28/2013	FCE Completion Date : 9/28/2015
Comments : revised FCE report	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
09/28/2015	ROP Qrtly Cert	Compliance	Quarterly Excess Emission & Monitoring System Performance reports, per FG-BOILERS-BR, Condition VII.4, acceptable. Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable.
09/28/2015	ROP Qrtly Cert	Compliance	Quarterly COMS Excess Emission, acceptable. COMS downtime report, acceptable, except Unit 6 (4% DT due to COMS maintenance) and Unit 7 (1.1% DT due to electrical and computer failure). SO2 CEMS Monitor Downtime Reports, acceptable except Unit 6 (3.5% DT due to calibration - out of control). SO2 CEMS excess emissions, acceptable. Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR_GEN-SC, Condition VII.5, acceptable.
09/28/2015	NSPS (Part 60)	Compliance	NSPS Monitoring System Reports - no exceedance.

Activity Date	Activity Type	Compliance Status	Comments
09/28/2015	ROP Qrtly Cert	Compliance	Quarterly COMS and SO2 Excess Emission and COMS and CEMS Monitor Downtime Reports, per FG-BLR_GEN-SC, Condition VII.4, acceptable. Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR_GEN-SC, Condition VII.5, acceptable.
09/28/2015	ROP Qrtly Cert	Compliance	Quarterly Excess Emission & Monitoring System Performance reports, per FG-BOILERS-BR, Condition VII.4, acceptable. Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable.
09/25/2015	Stack Test	Compliance	Compliance Test Report for Visual Emissions Observations (in accordance with 40 CFR 60 Subpart Y), acceptable for Belle River Fuels Co.
09/25/2015	ROP Annual Cert	Compliance	Revised paperwork submitted - 3/18/2015. Annual-14, no deviations.
09/25/2015	ROP SEMI 2 CERT	Compliance	Revised paperwork submitted - 3/18/2015. Semi02-14, no deviations.
09/25/2015	Stack Test	Compliance	Test Report for Visual Emissions Observations for St. Clair Fuels, Chem-Mod Coal Handling System, St. Clair Power Plant, China Township, acceptable.
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15, no deviations.
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15, no deviation.
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15, no deviations.
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15 Certification report. Deviation due to opacity exceedances. Opacity exceedances not considered excessive.
09/25/2015	CAM Excursions/Exceedances	Compliance	CAM Excursion Report, per FG-BOILERS-BR, VII.8, no excursions reported. CAM Opacity Monitor Downtime Report, per FG-BOILERS-BR VII.9, acceptable.
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15. Reported deviation for Dynalco catalyst monitor not correctly calculating the 4 hr rolling average of the operating data obtained from CPMS. This was reported in previous semi-annual reports.

Activity Date	Activity Type	Compliance Status	Comments
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15 Certification report - no deviations.
09/25/2015	CAM Excursions/Exceedances	Compliance	CAM Excursion Reports, per FG-BLR-GEN-SC, VII.7. no CAM excursions reported. CAM Opacity Monitor Downtime Reports, per FG-BLR-GEN-SC, VII.8, acceptable.
09/25/2015	ROP Semi 1 Cert	Compliance	Semi01-15 Certification report. One deviation due to opacity exceedances. Opacity exceedances not considered excessive.
09/25/2015	ROP Annual Cert	Compliance	Annual-14. One deviation due to Dynalco catalyst monitors not correctly calculating 4-hr rolling average of operating data obtained from CPMS.
09/25/2015	ROP SEMI 2 CERT	Compliance	Semi02-14. One deviation due to Dynalco catalyst monitors not correctly calculating 4-hr rolling average of operating data obtained from CPMS.
09/25/2015	ROP Annual Cert	Compliance	Annual-14 Certification report, no deviations.
09/25/2015	ROP SEMI 2 CERT	Compliance	Semi02-14 Certification report, no deviation
07/01/2015	Scheduled Inspection	Compliance	
05/26/2015	ROP Other	Compliance	MAERS ROP Certification. MAERS audited.
03/13/2015	ROP Other	Compliance	FGBLR1-2-BR NOx Allowance Deduction Information
03/13/2015	CAM Excursions/Exceedances	Compliance	CAM Excursion Reports, per FG-BLR-GEN-SC, VII.7, no excursions CAM Opacity Monitor Downtime Reports, per FG-BLR-GEN-SC, VII.8, acceptable
03/13/2015	MAERS	Compliance	MAERS Report Certification
03/13/2015	NSR Emissions Report	Compliance	2014 NSR Emissions Report - Unit 7 - REVISED, no significant emissions increase
03/13/2015	ROP Other	Compliance	2014 St. Clair Power Plant - All Units, Annual Emission Analysis under Permit #176-09 - REVISED, no significant emissions increase.
03/13/2015	ROP Other	Compliance	FGBLR1-2-BR NOx Allowance Deduction Information
03/13/2015	ROP Other	Compliance	FGBLR-General NOx Allowance Deduction Information per Table F-01.1, Sec. VI.2.
03/13/2015	ROP Other	Compliance	FGCTG-BR NOx Allowance Deduction Information

Activity Date	Activity Type	Compliance Status	Comments
03/13/2015	ROP Qrtly Cert	Compliance	St. Clair/Belle River Quarterly Excess Emission & Monitoring System Performance reports, per FG-BOILERS-BR, Condition VII.4, acceptable Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable
03/13/2015	NSPS (Part 60)	Compliance	NSPS Monitoring System Reports, acceptable
03/13/2015	ROP Other	Compliance	FGCTG-BR NOx Allowance Deduction Information
03/13/2015	ROP Other	Compliance	2014 St. Clair Power Plant Annual Emission Analysis under Permit #176-09. No significant emissions increase.
03/12/2015	ROP Other	Compliance	2014 Belle River Power Plant Annual Emission Analysis under Permit #164-08B. No significant emissions increase.
03/12/2015	ROP Other	Compliance	MAERS Annual Report Certification
03/12/2015	ROP Other	Compliance	FGBLR NOx Allowance Deduction Information
03/12/2015	ROP Annual Cert	Compliance	St. Clair ROP Annual-14 submitted timely. Deviations due to opacity exceedances and stack gas leak to stack annulus for Units 6 and 7. Fixed in spring 2014.
03/12/2015	ROP SEMI 2 CERT	Compliance	St. Clair ROP Semi02-14 submitted timely. Deviations reported for opacity exceedances and cold cleaner problems. No LOV.
03/12/2015	NSR Emissions Report	Compliance	2014 NSR Emissions Report for St. Clair, no significant emissions increase.
03/12/2015	ROP Qrtly Cert	Compliance	Per FG-BLR_GEN-SC, Condition VII.4, Quarterly COMS Excess Emission Reports, acceptable, Opacity Monitor Downtime Reports, acceptable, and SO2 CEMS emissions acceptable, and SO2 CEMS downtime, acceptable (Unit 4 has 2.4% downtime due to out-of-control during calibration). Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR_GEN-SC, Condition VII.5, acceptable.

Activity Date	Activity Type	Compliance Status	Comments
11/06/2014	ROP Qrtly Cert	Compliance	Belle River Quarterly Opacity, NOx and SO2 Excess Emission, acceptable & Monitoring System Performance Reports, acceptable. Belle River Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable.
11/06/2014	ROP Qrtly Cert	Compliance	Quarterly COMS Excess Emission and Monitor Downtime Reports and SO2 CEMS, per FG-BLR_GEN-SC, Condition VII.4, acceptable except Unit 7 COMS (3.1% DT due to lightning strike; some circuit boards were destroyed). Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR_GEN-SC, Condition VII.5, acceptable.
11/06/2014	ROP Qrtly Cert	Compliance	Belle River Quarterly Opacity, NOx and SO2 Excess Emission, acceptable & Monitoring System Performance Reports, acceptable. Belle River Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable.
11/06/2014	ROP Qrtly Cert	Compliance	Quarterly COMS Excess Emission and Monitor Downtime Reports and SO2 CEMS, per FG-BLR_GEN-SC, Condition VII.4, acceptable. Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR_GEN-SC, Condition VII.5, acceptable.
11/06/2014	ROP Qrtly Cert	Compliance	Belle River Quarterly Opacity, NOx and SO2 Excess Emission, acceptable & Monitoring System Performance Reports, acceptable. Belle River Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable.
11/06/2014	ROP Qrtly Cert	Compliance	Quarterly COMS Excess Emission and Monitor Downtime Reports and SO2 CEMS, per FG-BLR_GEN-SC, Condition VII.4, acceptable except Unit 7 COMS (2.7% DT due to hardware failure). Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR_GEN-SC, Condition VII.5, acceptable.

Activity Date	Activity Type	Compliance Status	Comments
11/05/2014	Stack Test	Compliance	PTI 164-08, Belle River Power Plant, Unit 1 (CO Emissions Testing). No CO limit.
10/01/2014	ROP Semi 1 Cert	Compliance	St. Clair ROP Semi01-14 submitted timely. Deviations reported for opacity exceedances, stack gas leak to stack annulus for Units 6 and 7 (reported earlier), and cold cleaner not closing completely due to bent lid.
10/01/2014	CAM Excursions/Exceedances	Compliance	CAM Excursion Reports, per FG-BLR-GEN-SC, VII.7, no excursions. CAM Opacity Monitor Downtime Reports, per FG-BLR-GEN-SC, VII.8, Unit 7 has 30 hrs DT
10/01/2014	ROP Semi 1 Cert	Compliance	Section 2 Semi01-14 submitted timely - no deviations.
10/01/2014	ROP Semi 1 Cert	Compliance	Section 4 Semi01-14 submitted timely - no deviations.
09/17/2014	ROP Semi 1 Cert	Compliance	Belle River ROP Semi01-14 submitted timely. Deviations reported for opacity exceedances.
09/17/2014	CAM Excursions/Exceedances	Compliance	CAM Excursion Report, per FG-BOILERS-BR, VII.8 - no excursions CAM Opacity Monitor Downtime Reports, per FG-BOILERS-BR, VII.9 - acceptable
08/27/2014	MAERS	Compliance	MAERS Certification resubmitted
08/27/2014	Stack Test	Compliance	St. Clair Unit 7 Particulate Emission Test Report (EU-BOILER7-SC V.1) conducted July 1 and 2, 2014 - passed.
08/27/2014	MAERS	Compliance	MAERS report resubmitted
08/26/2014	NSPS (Part 60)	Compliance	NSPS Monitoring System Reports, OK.
08/26/2014	ROP Semi 1 Cert	Compliance	Section 5 Semi Annual01-14 submitted timely, no deviations
06/03/2014	MAERS	Compliance	MAERS Certification resubmitted.
03/21/2014	ROP SEMI 2 CERT	Compliance	Section 5 Semi Annual02-13 submitted timely, no deviations
03/19/2014	MAERS	Compliance	MAERS Certification: Section 5 received timely. Section 3 received timely. Section 1 received timely
03/19/2014	CAM Excursions/Exceedances	Compliance	Belle River CAM Excursion Report, per FG-BOILERS-BR, VII.8, no excursions.
03/19/2014	CAM monitor downtime	Compliance	Belle River CAM Opacity Monitor Downtime Report, per FG-BOILERS-BR, VII-9, acceptable

Activity Date	Activity Type	Compliance Status	Comments
03/19/2014	ROP Other	Compliance	2013 St. Clair Annual Emission Analysis under Permit #176-09 no exceedance
03/19/2014	NSR Emissions Report	Compliance	2013 NSR Emissions Report for Belle River Power Plant - to be reviewed by Permit Section
03/19/2014	ROP Other	Compliance	FGBLR1-2-BR NOx Allowance Deduction Information
03/19/2014	ROP Other	Compliance	FGCTG-BR NOx Allowance Deduction Information
03/19/2014	ROP Other	Compliance	2013 Belle River Annual Emission Analysis under Permit #164-08B showed no exceedance
03/19/2014	ROP Other	Compliance	FGBLR-General NOx Allowance Deduction Information per Table F-01.1, Sec. VI.2.
03/19/2014	NSR Emissions Report	Compliance	2013 NSR Emissions Report for St. Clair Power Plant - to be reviewed by Permit Section
03/19/2014	ROP Annual Cert	Compliance	St. Clair ROP Annual-13 submitted timely. Deviations due to opacity exceedances and stack gas leak to stack annulus for Units 6 and 7.
03/19/2014	ROP SEMI 2 CERT	Compliance	St. Clair ROP Semi02-13 submitted timely. Deviations reported for opacity exceedances and stack gas leak to stack annulus for Units 6 and 7.. No LOV.
03/19/2014	CAM Excursions/Exceedances	Compliance	CAM Excursion Reports, per FG-BLR-GEN-SC, VII.7, no excursions CAM Opacity Monitor Downtime Reports, per FG-BLR-GEN-SC, VII.8, acceptable
03/19/2014	ROP Annual Cert	Compliance	Section 4 Annual-13, submitted timely, no deviations.
03/19/2014	ROP SEMI 2 CERT	Compliance	Section 4 Semi02-13 submitted timely, no deviations.
03/19/2014	ROP Annual Cert	Compliance	Section 2 Annual-13, submitted timely, no deviations.
03/19/2014	ROP SEMI 2 CERT	Compliance	Section 2 Semi02-13 submitted timely, no deviations.
03/19/2014	ROP Annual Cert	Compliance	Belle River Annual-13 submitted timely. Deviations due to opacity.
03/19/2014	ROP SEMI 2 CERT	Compliance	Belle River Semi02-13 submitted timely, deviations due to opacity exceedance.
03/19/2014	ROP Annual Cert	Compliance	Section 5 Annual-12 submitted timely, one deviation.

Activity Date	Activity Type	Compliance Status	Comments
02/07/2014	ROP Other	Compliance	St. Clair FGCLR-General NOx Allowance Deduction Information per Table F-01.1, Sec. VI.2
02/07/2014	ROP Other	Compliance	Belle River FGCLR1-2-BR NOx Allowance Deduction Information
02/07/2014	ROP Qrtly Cert	Compliance	St. Clair Quarterly COMS Excess Emission, acceptable St. Clair COMS and SO2 CEMS Monitor Downtime, acceptable St. Clair Quarterly Sulfur Dioxide Monthly Emission Rate Averages, acceptable
02/07/2014	ROP Qrtly Cert	Compliance	Belle River Quarterly Excess Emission and Monitoring System Performance reports, acceptable Belle River Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable
02/07/2014	NSPS (Part 60)	Compliance	Section 5 NSPS Monitoring System Reports, acceptable
02/07/2014	Stack Test	Compliance	St. Clair Unit 2 Particulate Emission Test Report while firing coal only, as required by ROP. Testing done 12/3/2013. Results 0.003 lbs/1000 gas; limit is 0.17. Testing was not conducted from June 5 to July 10, 2013 due to loss of 2 coal mills.
02/07/2014	Stack Test	Compliance	St. Clair Unit 2 Test Report for PM Emissions while burning Chem-Mod treated coal ( required by PTI 176-09). Tested for filterable PM, PM 2.5 PM 10 and condensable PM (no limits). Test date Dec 3-5, 2013. Testing was not conducted from June 5 to July 10, 2013 due to loss of 2 coal mills.
12/02/2013	ROP Other	Compliance	FGCTG-BR NOx Allowance Deduction Information
11/01/2013	Malfunction Abatement Plan	Compliance	St. Clair updated MAP Coal Handling System (includes wet dust collector installed in 2013). Updated MAP Ash Silo Dust Collectors. Updated MAP Startup/Shutdown for ESPs and Low NOx Burners. Updated Fugitive Dust Plan. Reviewed.
11/01/2013	ROP Qrtly Cert	Compliance	St. Clair Quarterly COMS Excess Emission and Opacity Monitor Downtime Rpts. and SO2 CEMS, acceptable. St. Clair Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BLR-GEN-SC, Condition VII.5, acceptable.



Activity Date	Activity Type	Compliance Status	Comments
10/30/2013	ROP Semi 1 Cert	Non Compliance	Section 5 Semi Annual 01-13 submitted late, no deviations. LOV will be issued.
10/30/2013	Stack Test	Compliance	CO Emissions Testing - Belle River Power Plant, Unit 1. No limit.
10/30/2013	ROP Qrtly Cert	Compliance	Belle River Quarterly Opacity, NOx and SO2 Excess Emission, acceptable & Monitoring System Performance Reports, acceptable except for Unit 2 NOx CEMS (2.1% downtime due to CO2 monitor failure; CO2 spare was put in while original monitor is being replaced on 08/15/13; linearity subsequently done). Belle River Quarterly Sulfur Dioxide, Monthly Emission Rate Averages per FG-BOILERS-BR, Condition VII.5, acceptable.

Name:

S.A.J.

Date:

9-28-15

Supervisor:

CJE

