

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> GENESEE POWER STATION LIMITED PARTNERSHIP		<b>SRN :</b> N3570
<b>Location :</b> G 5310 NORTH DORT HIGHWAY		<b>District :</b> Lansing
		<b>County :</b> GENESEE
<b>City :</b> FLINT	<b>State:</b> MI	<b>Zip Code :</b> 48505
<b>Compliance Status :</b>		Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Julie Brunner	
<b>FCE Begin Date :</b> 6/28/2016		<b>FCE Completion Date :</b> 6/27/2017
<b>Comments :</b>		

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
05/24/2017	Scheduled Inspection	Compliance	Compliance inspection as part of an FCE.
05/24/2017	Stack Test Observation	Compliance	See Scheduled Inspection Activity Report dated 05/24/2017 for test observations.
05/11/2017	MAERS	Compliance	ROP No. MI-ROP-N3570-2012. Cert. Resp. Official: Kenneth A. DesJardins. Check MAERS for any review comments - Audited
04/21/2017	ROP Qrtly Cert	Compliance	ROP No. MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. 1st quarter 2017 deviation report, excess emissions and emission monitoring summary report for EUBOILER. Deviations: CEMS downtime for quarterly audit calibrations (1/31/17, 6 hrs, 21 mins.). CEMS monitor downtime for various failed calibrations throughout quarter (1/5 to 3/30/17, 2 hrs, 49 mins). Total SO2 CEMS downtime 9.55 hrs, 0.44% for the quarter. Total NOx CEMS downtime 8.85 hrs, 0.41% for the quarter. Total CO CEMS downtime 8.85 hrs, 0.41% for the quarter. Total COMS downtime 0.119 hrs, 0.31% for the quarter. No excess emissions reported.

Activity Date	Activity Type	Compliance Status	Comments
03/06/2017	ROP Annual Cert	Compliance	MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. All deviations previously reported on quarterly reports.
02/13/2017	ROP SEMI 2 CERT	Compliance	MI-ROP-N3570-2012 - Semi-annual Deviation Report; Resp. Official is Kenneth A. DesJardins. Deviation report of the 2nd 6-months of 2016. All information previously submitted on the quarterly reports.
02/09/2017	ROP Tech Review Notes	Compliance	N3570 Genesee Power Station Limited Partnership Technical Review Notes for 2016 ROP Renewal Application
02/06/2017	Other	Compliance	Demolition wood (1/30/2017 email from Mitch Hefner) - Based on GPS information, the last time demolition wood arrived on the GPS site was 8/22/2000, and based on the pile turn information, the last time demolition wood was combusted in the boiler is 9/23/2000.
02/02/2017	ROP Qrtly Cert	Compliance	ROP No. MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. 4th quarter 2016 deviation report, excess emissions and emission monitoring summary report for EUBOILER. Deviations: SO2 Analyzer failed (10/7 to 10/12, 146 hrs, 39 mins.) due to internal power line and mother board failing during a power/voltage. Repaired, calibrated and back in service. CEMDAS monitor out of control (MOC) for NOx and SO2 due to various failed calibrations throughout quarter (10/5 to 12/19, 2 hrs, 51 mins). Quarterly linearity and opacity testing (11/8, 9 hrs, 44 mins). Total SO2 CEMS downtime 157.94 hrs, 7.1% for the quarter. Total NOx CEMS downtime 12.31 hrs, 0.82% for the quarter. Total CO CEMS downtime 14.05 hrs, 0.54% for the quarter. Total COMS downtime 4.97 hrs, 0.22% for the quarter. No excess emissions reported.

Activity Date	Activity Type	Compliance Status	Comments
10/26/2016	ROP Qrtly Cert	Compliance	<p>ROP No. MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. 3rd quarter 2016 deviation report, excess emissions and emission monitoring summary report for EUBOILER. Deviations: CEMS analyzer calibration failures (7/11-12/2016 - 2 hr, 45 mins) cleaned main sample line; spanned, recalibrated, and returned to service. Numerous, momentary exceedances in opacity during 15 hr span due to RATA test (8/4/2016 - 3 hr, 43 mins) testing equipment would temporarily break the laser path of the opacity monitor, when equipment removed then the opacity monitor returned to normal. Various levels of emission reading during 3rd Qrt linearity and opacity performance testing (8/3/2016 - 2 hrs, 5 mins); No excess emissions were reported. Total SO2 CEMS, NOx CEMS and CO CEMS downtime was 0.35% of operating time due to failed calibrations from plugged sampling lines and startups, shutdowns, audit calibrations, and RATAs. Total Opacity CEMS downtime was 0.37% of operating time due to failed calibrations from plugged sampling lines and startups, shutdowns, audit calibrations, and RATAs..</p>
09/20/2016	CEM RATA	Compliance	2016 RATA ash sample.
09/12/2016	CEM RATA	Compliance	<p>ROP No. MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. RATA Results for NOx, CO, SO2, O2, and air flow. CEMS performance was within the relative accuracy criteria.</p>
09/12/2016	Stack Test	Compliance	<p>40 CFR 63, Subpart DDDDD - Stack testing of PM, mercury (Hg) and hydrogen chloride (HCl) for compliance while combusting 100% wood fuel. PM results were 0.0013 lb/MMBtu (3.5% of standard). Hg results were 2.8 x 10<sup>-7</sup> lb/MMBtu (4.9% of standard). HCl results were 0.013 lb/MMBtu (59% of standard).</p>

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09/12/2016	Stack Test	Compliance	40 CFR 63, Subpart DDDDD - Stack testing of PM, mercury (Hg) and hydrogen chloride (HCl) for compliance while combusting wood/TDF fuel. PM results were 0.0011 lb/MMBtu (3.0% of standard). Hg results were 3.7 x 10(-7) lb/MMBtu (6.5% of standard). HCl results were 0.010 lb/MMBtu (45% of standard).
08/26/2016	MACT (Part 63)	Compliance	Notification of Compliance Status - Boiler MACT pursuant to 40 CFR 63.7545(e). Performance test on 5/18 -19/2016 combusting 100% biomass at a heat input rate of 281.5 MMBtu/hr to 529.9 MMBtu/hr. PM results: 0.00131 lb/MMBtu HCl results: 0.0134 lb/MMBtu Hg results: 2.87E-7 lb/MMBtu
08/26/2016	ROP Qrtly Cert	Compliance	ROP No. MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. 2nd quarter 2016 deviation report, excess emissions and emission monitoring summary report for EUBOILER. Deviations: CEMS out of service (4/12/2016 - 8hrs) due to 2nd quarter audit and linearity testing. SO2 analyzer calibration failures (4/18/2016 - 34 mins) due to analyzer drifting high from dirty inlet filter; spanned, recalibrated, and returned to normal operation. Moisture in sampling line (4/25/2016, 4/26/2016 - 25 mins) cleared moisture and changed filters then put system back in operation. O2 leak in stack sampling line (5/29/2016 - 2 hrs, 58 mins); CEM out of service while repairing line leak then returned to service. CO analyzer sampling pump failure (6/15/16 - 1 hr), replaced pump, spanned, re-calibrated, and put back in service. No excess emissions were reported. Total SO2 CEMS downtime was 0.55% of operating time. Total NOx CEMS downtime was 0.52% of operating time. Total CO CEMS downtime was 0.56% of operating time. Total Opacity CEMS downtime was 0.37% of operating time.

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08/26/2016	ROP Semi 1 Cert	Compliance	ROP No. MI-ROP-N3570-2012. Resp. Official is Kenneth A. DesJardins. Deviation report of the first 6-months of 2016. All information previously submitted on the quarterly reports.
06/28/2016	Other	Compliance	Re-test for Genesee Power Station (ROP No. MI-ROP-N3570-2012) for Boiler MACT, 40 CFR 63, Subpart DDDDD. Justification for worse-case fuel reviewed.

Name: *Robert P. [Signature]* Date: 6/27/17 Supervisor: *B.M.*

