

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : Gerdau MacSteel Monroe	SRN : B7061
Location : 3000 E FRONT STREET	District : Jackson
	County : MONROE
City : MONROE State: MI Zip Code : 48161	Compliance Status : Non Compliance
Source Class : MAJOR	Staff : Mike Kovalchick
FCE Begin Date : 5/1/2018	FCE Completion Date : 9/17/2020
Comments : Non-Compliance due to issue with a CO CEM that has yet to be formally resolved.	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
09/15/2020	Scheduled Inspection	Non Compliance	Scheduled Announced Inspection of Gerdau including TMS International.
03/13/2020	Excess Emissions (CEM)	Non Compliance	Fourth Quarter 2019, CO SO2 and Opacity CEM Excess Emission and Monitoring System Performance Report. 22.28% CO Monitor Downtime, 55.72% CO Excess emissions. Met with Company. Took awhile to determine problem. Calibration gas was leaking into CEM which gave false readings. TPU to send VN for excess monitor downtime. No action on CO excess emissions as no evidence that there was any emission exceedance.
03/13/2020	ROP SEMI 2 CERT	Compliance	TMS portion of Stationary Source. No deviations.
03/13/2020	ROP Annual Cert	Compliance	TMS portion of Stationary Source. No deviations.
02/05/2020	Stack Test	Compliance	Source Test Report 2019 Mercury Testing East and West EAF and LMF. 0.0018 lb/hr for East EAF and 0.0020 for West EAF. (Total 0.004 lb/hour vs limit of 0.033 lb/hour)
02/05/2020	ROP Other	Compliance	Continuous Opacity Monitoring Systems (COMS) Opacity lens filter audit, 4th Quarter, Unit 1, Stack 1 West Opacity, Test Date 11-26-19. Pass.

Activity Date	Activity Type	Compliance Status	Comments
02/05/2020	ROP Other	Compliance	7 Day CO and SO2 monitor drift test, Stacks 1 and 2. Pass.
02/05/2020	MACT (Part 63)	Compliance	Subpart YYYYYY, Electric Arc Furnace Steelmaking Facilities. No mercury purchases from non-compliant facilities.
11/25/2019	ROP Semi 1 Cert	Compliance	TMS International certification. No deviations.
11/25/2019	ROP Semi 1 Cert	Compliance	Pressure line plugged, 12 minutes of VE exceedance, East main fan amps above basement on 2 days, north man fan amps above baseline. All back into compliance.
11/25/2019	Excess Emissions (CEM)	Compliance	3rd Quarter CO, SO2, and COMS EER Reports. No exceedances.
11/25/2019	CEM RATA	Compliance	Stack 2 (East Stack) and Stack 1 (West Stack) for Exhaust Gas Flowrate, CO, and SO2. Results satisfy the relative accuracy criteria of Performance Specifications 2, 4A, and 6.
09/04/2019	MACT (Part 63)	Compliance	Subpart YYYYYY Semiannual Mercury Compliance Report. Did not purchase vehicle scrap from any company that is not part of the national vehicle mercury switch recovery program.
09/04/2019	ROP Qrtly Cert	Compliance	CO, SO2 EER Report, QCGA. No deviations. 106 hours of CO CEM downtime, 28.83 hours of SO2 CEM downtime and 0 hours of opacity downtime.
06/05/2019	ROP Other	Compliance	2018 MAERS ROP Cert. Small increase in steel production. Company used mostly stack test and CEMS data as basis for emission estimates. This information is well organized in spreadsheet for all emission units. Mercury came in at 10 pounds based on 2016 stack test and operating hours. No concerns.
05/14/2019	ROP Other	Compliance	1st Qt CO CEMS Excess Emission Report; 1st Qt SO2 CEMS Excess Emission Report; 1st Qt Opacity Excess Emission Report. No CO or SO2 emission. 36.68 hours of CO CEM monitoring downtime
04/12/2019	ROP Annual Cert	Compliance	Minor issue with gauge used to weigh metal. Issued resolved and the PTI that required it has since been voided.

Activity Date	Activity Type	Compliance Status	Comments
04/12/2019	ROP SEMI 2 CERT	Compliance	Minor issue with gauge used to weight metal prior to being torched. It was resolved and PTI requiring it has since been voided.
04/12/2019	ROP Annual Cert	Compliance	Some issues with a opacity monitor giving false positives that was quickly corrected. Also minor issue with furnace pressure gauge.
04/12/2019	ROP SEMI 2 CERT	Compliance	Minor issues with opacity gauge that was quickly fixed.
04/12/2019	MACT (Part 63)	Compliance	No deviations.
04/12/2019	Excess Emissions (CEM)	Compliance	None of the CEMS recorded emission exceedances for CO and SO2.
02/25/2019	Stack Test	Compliance	RATA for Electric Arc Furnace. Results for CO and SO2 monitors showed compliance.
02/25/2019	MACT (Part 63)	Compliance	Subpart YYYYYY. All scrap providers participating in mercury switch program.
02/25/2019	ROP Other	Compliance	Zero incidents of CO emission exceedances and zero incidents of SO2 emission exceedances. Several opacity exceedances due to alignment problem with CEMs that were resolved.
11/19/2018	ROP Other	Compliance	2018 RATA Test. Showed compliance.
11/19/2018	Stack Test	Compliance	LMF and EAF Baghouse Emissions Test Report, 2018 Hg Test. Permit limit is 0.033 lb /hr. Test result 0.003 lb/hour. No compliance concerns. Company recorded amount of auto scrap used during test.
10/22/2018	ROP SEMI 2 CERT	Compliance	Exceeded 3% six minute average baghouse stack from EU-EAF. Caused by torn bags. Bags replaced.
09/19/2018	ROP Semi 1 Cert	Compliance	TMS International reported no deviations.
09/13/2018	ROP Semi 1 Cert	Compliance	Issues with opacity monitor. Improper alignment. Opacity monitor has been replaced. Facility appears to be in compliance.

Activity Date	Activity Type	Compliance Status	Comments
09/12/2018	ROP Other	Compliance	1st and 2nd Qtr 2018 Excess Emission Reports (Opacity), 1st and 2nd Qtr 2018 Excess Emission Reports (CO); 1st and 2nd Qtr 2018 Excess Emission Report (SO2); SA Area Source Report. No excess emissions report. A few hours of monitor down time reported.
08/30/2018	Stack Test Observation	Compliance	Mercury stack test.
08/03/2018	MACT (Part 63)	Compliance	Subpart YYYYY. Suppliers are part of mercury switch recovery program.
08/03/2018	Excess Emissions (CEM)	Compliance	Second Quarter 2018 CO, SO2, and Opacity CEM Excess Emission and Monitoring System Performance Report. There was a number of opacity exceedances. However, they were all attributed to the opacity monitor being out of alignment. A new monitor is being installed in August 2018.
08/03/2018	ROP Other	Compliance	Cylinder Gas Audit Summary Report for 2nd Quarter 2018.
07/06/2018	Malfunction Abatement Plan	Compliance	Revision VII, Electric Arc Furnace, Vacuum Tank Degasser, Ladle Metallurgy Furnace, Continuous Caster, Rolling Mill Reheat Furnace. Plan reviewed and found to be acceptable. Company notified that plan approved.
05/07/2018	ROP Other	Compliance	1st Quarter 2018 Continuous Emission Monitoring System (CEMS) Excessive Emissions Reports (EER).
05/02/2018	ROP Other	Compliance	First Quarter, 2018 CO, SO2, and Opacity CEMS Excess Emission and Monitoring. 8 incidents of opacity above three percent. 3 incidents due to broken bags and 5 incidents due to improper COMs alignment which was fixed on 3/19/18. Resolving this issued resulted in higher than normal CEM monitor downtime for opacity monitor.

Name: M. Kovalchick Date: 9/15/20
Per Scott

Supervisor: [Signature]
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