

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : VERSO QUINNESEC, LLC	SRN : B7192
Location : W-6791 US HIGHWAY 2	District : Marquette
	County : DICKINSON
City : QUINNESEC State: MI Zip Code : 49876	Compliance Status : Compliance
Source Class : MAJOR	Staff : Michael Conklin
FCE Begin Date : 9/29/2020	FCE Completion Date : 9/29/2021
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
09/23/2021	On-site Inspection	Compliance	On-site inspection of Specialty Minerals Inc.
09/01/2021	On-site Inspection	Compliance	Targeted Inspection for FY 21.
08/05/2021	Stack Test	Compliance	Lime Kiln performance test for 40 CFR Part 63 Subpart MM PM emission limit and establish minimum scrubber flow rate and pressure drop for CPMS. The new CPMS operating limits for the lime kiln scrubber are 277 gpm (minimum) 3-hour rolling averaging period and 29 inches H2O (minimum) 3-hour rolling average.
08/05/2021	MACT (Part 63)	Compliance	Semi-Annual MACT II (Subpart MM) Excess Emissions & CMS Performance Report and Malfunction Report from 1/1/2021 to 6/30/2021.
08/05/2021	ROP Other	Compliance	Quarterly EER Report from 4/1/2021 to 6/30/2021.
08/05/2021	CEM RATA	Compliance	Continuous Emissions Monitoring Systems Annual RATA Report from 5/25/2021 to 5/27/2021
08/05/2021	ROP Semi 1 Cert	Compliance	Semi-Annual Report Certification from Jan 1, 2021 to June 30, 2021 for Specialty Minerals (Section 2 of MI-ROP-B7192-2020).
08/05/2021	MACT (Part 63)	Compliance	Boiler MACT, 40 CFR 63 Subpart DDDDD Semi-annual Compliance Report from 1/1/21 to 6/30/21.

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08/05/2021	MACT (Part 63)	Compliance	Semi-Annual MACT I Excess Emissions & CMS Performance Report and Malfunction Report 7/28/21 Revised (from 1/1/21 - 6/30/21)
08/05/2021	ROP Semi 1 Cert	Compliance	Semi-Annual Report Certification from 1/1/21 to 6/30/21.
08/05/2021	CAM Excursions/Exceedances	Compliance	40 CFR 64 Compliance Assurance (CAM) Excursion Summary and Monitor Downtime Reports from 1/1/21 to 6/30/21
08/05/2021	MACT (Part 63)	Compliance	Semi-Annual MACT I (Subpart S) Excess Emissions & CMS Performance Report and Malfunction Report from 1/1/2021 to 6/30/2021.
05/26/2021	Telephone Notes	Compliance	Follow-up call regarding fugitive dust that occurred from emptying of the lime kiln on 05/25/2021.
05/25/2021	On-site Inspection	Compliance	Targeted inspection for FY 21.
05/19/2021	CAM monitor downtime	Compliance	40 CFT 64 Compliance Assurance (CAM) Excursion Summary and Monitoring Downtime Reports from 07-01-2020 to 12-31-2020
05/19/2021	Excess Emissions (CEM)	Compliance	Quarterly EER Report from 1/1/2021 to 3/31/2021
03/11/2021	ROP Other	Compliance	Boiler MACT, 40 CFR 63 Subpart DDDDD Semi-annual Compliance Report from 7/1/2020 to 12/31/2020. There were no deviations from the emission limits or operating limits during the reporting period. There was one monitoring deviation where the CMS was out of control during the reporting period. There were no malfunctions which caused or may have caused an applicable emission limit to be exceeded during the reporting period.
03/11/2021	ROP Other	Compliance	MACT II Excess Emissions & CMS Performance Report and Malfunction Report from 7/1/2020 to 12/31/2020.
03/11/2021	ROP Other	Compliance	Semi-Annual MACT I Excess Emissions & CMS Performance Report and Malfunction Report from 7/1/2020 to 12/31/2020

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03/11/2021	ROP Other	Compliance	Fourth quarter CEMS/COMS excess emission and quality assurance report. There were a total of ten 6-minute average events greater than 35% opacity in the fourth quarter. These events were caused by precipitator transformer rectifier issues and trips. Corrective actions taken involved reducing liquor flow to the Recovery Boiler and restoring power to tripped TRs. The Main Stack opacity also had a total of eight 6-minute average events greater than 20% opacity that were also caused by the Recovery Boiler precipitator transformer rectifier issues and trips.
03/11/2021	ROP SEMI 2 CERT	Compliance	Specialty Minerals Michigan Inc. - Semi-Annual Report Certification from 7/1/2020 to 12/31/2020. No deviations reported.
03/11/2021	ROP Annual Cert	Compliance	Specialty Minerals Michigan Inc. Annual Compliance Certification from 1/1/2020 to 12/31/2020. No deviations reported.
03/11/2021	MAERS	Compliance	
03/11/2021	ROP Annual Cert	Compliance	Annual Compliance Certification from 01/01/2020 to 12/31/2020
03/11/2021	ROP SEMI 2 CERT	Compliance	Semi-Annual Report Certification from 07-01-2020 to 12-31-2020
02/04/2021	Rule 912	Compliance	Rule 912 notification for venting of CVGs for 4.65 hours and DVGs for 4.43 hours from a power breaker trip shutting down the boiler feed water system, the recovery furnace, the waste fuel boiler, and mill operating areas. The reported as of January 8, 2021, there have been a total of 4.74 hours CVG venting and 4.43 hours DVG venting. It is not anticipated there will be an exceedance of the MACT I 1% and 4% semi-annual allowances for CVG (LVHC) and DVG (HVLC) venting for the first half of 2021.

Activity Date	Activity Type	Compliance Status	Comments
11/23/2020	Rule 912	Compliance	Rule 912 written follow-up for 10/25/20 smelt dissolving tank scrubber low flow event. EU0816-S1 (smelt dissolving tank) scrubber flow was less than the MACT II established compliance limit of 150 gallons/minute (actual was 134 gallons/minute) for a period of 6 hours and 15 minutes. This was caused by a plug in the scrubber liquid nozzles, most likely from debris during maintenance cleaning. The plug was cleared and scrubber flow was resumed to normal. An alarm was reconfigured to the correct minimum scrubber flow of 150 gallons/minute as well. This event was within the maximum allowable of five 3-hour scrubber events per semiannual reporting period and therefore not a violation of the MACT standard 40 CFR 63.863.
11/02/2020	Stack Test	Compliance	Notification of compliance status and performance test for 40 CFR Part 63 Subpart MM. Test results from testing on the recovery furnace, smelt dissolving tank, and lime kiln from 09/15/2020 to 09/17/2020. Results indicate compliance with 40 CFR Part 63 Subpart MM and MI-ROP-B7192-2020.
11/02/2020	Excess Emissions (CEM)	Compliance	Third quarter 2020 CEMS/COMS Excess Emission and Quality Assurance Report from 07/01/2020 to 09/30/2020. Monitored sources include waste fuel boiler, recovery furnace, package boiler, lime kiln, and main stack. Main stack opacity exceeded 20% opacity on 7/14/20. Resulted in actual readings of 21% and 22% over a 12-minute period. On 9/28/20, the recovery boiler opacity had a 6-minute spike of 38%.
10/01/2020	Other		Facility assignment change from Joe Scanlan to Michael Conklin effective 10/1/2020.
09/30/2020	Records Review (In office)	Compliance	Records review to ensure compliance with MI-ROP-B7192-2020
09/30/2020	ROP Semi 1 Cert	Compliance	Verso - Semi-Annual Report Certification from 1/1/20 to 6/30/20

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09/30/2020	CAM monitor downtime	Compliance	40 CFR 64 Compliance Assurance (CAM) Excursion Summary and Monitor Downtime Reports from 01/01/2020 to 06/30/2020
09/30/2020	MACT (Part 63)	Compliance	Bleach Plant MACT I Performance Test and Notification of Compliance Status Report from 07/28/2020 to 07/29/2020

Name: Michael Gehlin Date: 9-29-21 Supervisor: EHL