

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : GM LLC Saginaw Metal Casting Operations	SRN : B1991
Location : 1629 N. WASHINGTON Mail Code: 486-629-011	District : Bay City
	County : SAGINAW
City : SAGINAW State: MI Zip Code : 48601	Compliance Status : Compliance
Source Class : MAJOR	Staff : Gina McCann
FCE Begin Date : 3/1/2022	FCE Completion Date : 8/21/2023
Comments : FCE	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
08/03/2023	ROP Other	Compliance	Notification of installation of bag leak detection system on EU-SPMPROCESSAND per ACO condition 11.A.
07/26/2023	On-site Inspection	Compliance	Full compliance inspection of MI-ROP-B1991-2021b and ACO 2022-11.
04/04/2023	ROP Annual Cert	Compliance	<ul style="list-style-type: none"> • Deviations included violations cited as part of ACO 2022-11. • Deviations not previously reported were for EU-PSANDPROCESS, Q3 BH inspection late-no defects found upon inspection. And EU-SPMPROCESSAND, Q4 BH inspection late-no defects found upon inspection. Daily review and notification PMs added to audit to ensure timelines are met.
04/04/2023	ROP SEMI 2 CERT	Compliance	Deviations not previously reported were for EU-PSANDPROCESS, Q3 BH inspection late-no defects found upon inspection. And EU-SPMPROCESSAND, Q4 BH inspection late-no defects found upon inspection. Daily review and notification PMs added to audit to ensure timelines are met.
04/04/2023	CAM Excursions/Exceedances	Compliance	No deviations
04/04/2023	CAM monitor downtime	Compliance	No downtime.

Activity Date	Activity Type	Compliance Status	Comments
02/14/2023	ROP Other	Compliance	Updated Fugitive Dust Plan
02/14/2023	Stack Test	Compliance	EU-SPMCASTLINE PM Emissions Test Report Results for sections 1 & 2 combined = 1.56 pph, ROP limit= 7.07 pph
12/02/2022	Stack Test	Compliance	EU-PSANDCORERROOM (for PM and VOCs) PM , PM10, and PM2.5 0.19 lb/hr, Limit 0.56 lb/hr VOC 7.89 lb/hr, Limit 8.10 lb/hr
10/17/2022	ROP Semi 1 Cert	Compliance	<ul style="list-style-type: none"> • EU-SPMPROCESSAND PM stack test fail, ACO issued related to this failure. • EU-PSANDSH & EU-PSANDCASTLINE semi-annual inspection on baghouses were not completed. Completed in 4/2022, no defects detected. • EU-PSANDPROCESS Q1 baghouse inspection not completed, Q2 inspection completed and no defects were detected. • EU-SPMCORERROOM, EU-PSANDSH, EU-SPMCASTLINE, and EU-PSANDPROCESS annual calibrations on pressure gauges for (6) six baghouses were not completed. 8/29/2022 completed and no defects were detected.
10/17/2022	CAM Excursions/Exceedances	Compliance	EU-SPMPROCESSAND, VN sent for PM exceedances, ACO issued.
10/17/2022	CAM monitor downtime	Compliance	No monitor downtime.
10/11/2022	Stack Test Observation	Unknown	Stack testing for EU-PSANDCORERROOM to verify PM, PM10, PM2.5, and VOC emission rates.
05/18/2022	Stack Test	Compliance	EU-PSANDSH stack testing in response to failed test. VOCs=13.8 pph on a 14.88 pph limit
05/06/2022	Malfunction Abatement Plan	Compliance	Revised MAP for Fabric Filter Collectors
05/06/2022	Malfunction Abatement Plan	Compliance	Revised Fabric Filter MAP
04/25/2022	CAM Excursions/Exceedances	Compliance	EU-SPMPROCESSAND, VN sent for PM exceedances.
04/25/2022	CAM monitor downtime	Compliance	EU-SPMPROCESSAND, VN sent for PM exceedances.
04/25/2022	ROP Other	Compliance	Fugitive Dust Plan

Activity Date	Activity Type	Compliance Status	Comments
04/25/2022	ROP SEMI 2 CERT	Compliance	
04/25/2022	ROP Annual Cert	Compliance	
04/25/2022	MAERS	Compliance	
04/13/2022	Stack Test	Non Compliance	EU-PSANDCASTLINE FPM <0.14 pph limit 2.85 pph PM10 <0.57 pph limit 5.55 pph PM2.5 <0.57 pph limit 5.55 pph NOx 1.10 pph limit 4.46 pph VOC 1.38 pph limit 4.07 EU-PSANDSCCSH FPM 0.07 pph limit 2.36 pph PM10 0.22 pph limit 4.73 pph PM2.5 0.22 pph limit 4.73 pph VOC 6.46 pph limit 3.99
04/13/2022	Stack Test	Non Compliance	EU-PSANDPROCESS PM 0.93 pph limit 1.24 pph VOC 1.11 pph limit 4.12 pph EU-SPMPROCESSAND PM 5.05 pph limit 0.19 pph VOC 1.02 pph limit 1.22 pph PM
04/05/2022	Stack Test	Compliance	EU-SPMPROCESSAND Retest completed 2/23-2/24/2022 due to PM failure on 1/12-5/2021. Results were 0.126 lb/hr Limit 0.19 lb/hr VE 0%

Name:

Shirley J. McFarland

Date:

8-21-2023

Supervisor:

Chris Stone