

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 : Saginaw Bay
	County : SAGINAW
City : SAGINAW State: MI Zip Code : 48601	Compliance Status : Compliance
Source Class : MAJOR	Staff : Sydney Bruestle
FCE Begin Date : 4/1/2015	FCE Completion Date : 5/2/2016
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
05/02/2016	MAERS	Compliance	
05/02/2016	Stack Test		EU-SPMCASTLINE Emissions test report
05/02/2016	Stack Test	Compliance	EU-SPMALUMINUM emissions test report certification
04/12/2016	Scheduled Inspection	Compliance	Scheduled inspection to determine compliance with ROP-B1991-2015a and PTI 36-12 E along with all other applicable state and federal air regulations.
03/22/2016	Stack Test	Compliance	Evaluation of sulfur dioxide concentrations and emission rates.
03/22/2016	Stack Test	Compliance	EU-PSANDCOREROOM Compliance Test Report Certification

Activity Date	Activity Type	Compliance Status	Comments
03/09/2016	ROP Annual Cert	Compliance	SMCO conducted a CO test study on 11-24-15 which predicted emissions above the permit limit. A new PTI has been issued with higher CO limits. The differential pressure was outside the permitted range for wet scrubber EU-6ML-DC-68, the predicted differential pressure range is too high, SMCO submitted a PTI application to remove the DP parameters from the permit and move it to a malfunction abatement plan (MAP). The DP range in the MAP will be lower. slb GM submitted a separate ROP annual certification for 10/18/2015 - 12/31/2015 because they received their ROP renewal.
03/09/2016	ROP SEMI 2 CERT	Compliance	SMCO conducted a CO test study on 11-24-15 which predicted emissions above the permit limit. A new PTI has been issued with higher CO limits. The differential pressure was outside the permitted range for wet scrubber EU-6ML-DC-68, the predicted differential pressure range is too high, SMCO submitted a PTI application to remove the DP parameters from the permit and move it to a malfunction abatement plan (MAP). The DP range in the MAP will be lower. slb
03/09/2016	CAM monitor downtime	Compliance	There was no CAM monitor downtime reported.
03/07/2016	Meeting Notes	Unknown	Pre Application Meeting in Lansing 3/7/16
03/03/2016	Stack Test Observation	Unknown	Emissions testing on EUSPMALMINUM to determine compliance with emission limits in PTI 36-12E. 03/03/16 and 03/04/16
02/24/2016	Stack Test Observation	Unknown	Emissions testing for EU SPMCASTLINE Castline 1.
02/17/2016	ROP Other	Compliance	EUSPMALUMINUM SV-Z05-BH-3 Initial Start-up notification. Start up on January 14, 2016
01/26/2016	Stack Test	Compliance	EU-PSANDALUMINUM. Measured Emissions reported were below permit limits. slb

Activity Date	Activity Type	Compliance Status	Comments
01/26/2016	Stack Test	Compliance	EU-PSANDCASTLINE Measured emissions reported from the stack test were below the emission limits outlined in the ROP. slb
01/12/2016	Stack Test Observation	Unknown	EU- PSANDCORERROOM, EU-SPMCORERROOM, emissions testing of acid scrubber and caustic scrubber. 01/12/16-01/13/16
11/13/2015	Stack Test Observation	Unknown	Stack test for PM10, PM2.5, NOx, CO, and VOC emissions from EU-PSANDALUMINUM during fluxing and crossing of the molten aluminum.
11/12/2015	Stack Test Observation	Unknown	Stack test for PM10, PM2.5, NOx, CO, and VOC emissions during Holding period and Charging period of EU-PSANDSLUMINUM furnace.
11/10/2015	Stack Test Observation	Compliance	Stack test on the regenerative thermal oxidizer (RTO) for PM, PM10, PM2.5, NOx, and VOC emissions. EU-PSANDCASTLINE consists of a pouring and cooling line which exhaust to the RTO. slb
10/22/2015	Stack Test	Unknown	Stack Testing Notification for November. EU-PSANDALUMINUM, EU-PSANDCASTLINE, EU-SPMCORERROOM
09/28/2015	Stack Test	Compliance	EU-6ML-GV-01 Emissions Test Report, Project No 15-4715.00 Results are well within the permit limits. slb.
09/23/2015	Stack Test Observation	Pending	Stack Test on EU-PSANDPROCESS to determine compliance with emission limits (Z02-BH-01)
09/16/2015	ROP Semi 1 Cert	Compliance	No deviations occurred slb.
09/16/2015	CAM Excursions/Exceedances	Compliance	CAM compliance assurance monitoring semi annual report. No excursions or exceedances from 40 CFR part 60 requirements
09/16/2015	Stack Test	Compliance	Testing was conducted in accordance with the approved test plan, the facility operating conditions were in compliance with permit requirements. slb.
08/05/2015	ROP Other	Compliance	Notification of Completion of the installation, construction, reconstruction, or modification authorized by permit to install
08/05/2015	ROP Other	Compliance	FG-6ML-ALMELT stack test notification

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08/05/2015	Stack Test	Compliance	Stack Test Report from BTEC. PM emissions were less than permit limits. slb
07/30/2015	Stack Test Observation	Pending	Stack Test on EU-PSANDPROCESS to determine compliance with emission limits
07/30/2015	Other	Compliance	Equipment Status Determination for APC Mo. 01-1980.
07/23/2015	ROP Other	Compliance	Initial Start-up Notification for EU-SANDSEP- SV-Z05-CC-5
05/28/2015	Stack Test Observation	Pending	Stack Test on EU-SPMPROCESSAND to determine compliance with emission limits
04/09/2015	MAERS	Compliance	Passed slb
04/09/2015	MAERS	Compliance	Passed. slb
04/09/2015	ROP Annual Cert	Compliance	Emissions were above permitted limits for VOC. The Permit emission limits require reevaluation, New PTI was issued. slb
04/09/2015	ROP SEMI 2 CERT	Compliance	Emissions were above permitted limits for VOC. The Permit emission limits require reevaluation, New PTI was issued. slb
04/08/2015	Malfunction Abatement Plan		
04/08/2015	Other Non ROP	Compliance	PTI 36-12C EU-SPMALUMINUM - VII. REPORTING 1. Notification Initial Startup--Trial Operation of EU-SPMALUMINUM
04/08/2015	NSPS (Part 60)	Compliance	NSPS UUU PTI 36-12C EU-PSANDPROCESS Notification Initial Startup

Name: Supy BM

Date: 05/02/16

Supervisor: C. Hare