

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : Hemlock Semiconductor Operations LLC	SRN : B2644
Location : 12334 Geddes Rd. P.O. Box 80	District : Bay City
	County : SAGINAW
City : HEMLOCK State: MI Zip Code : 48626	Compliance Status : Non Compliance
Source Class : MAJOR	Staff : Gina McCann
FCE Begin Date : 2/23/2022	FCE Completion Date : 3/8/2024
Comments : FCE from 2-23-22 through 3-8-24	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
03/05/2024	CEM RATA	Compliance	EUBOILER10 PEMS RATA
03/05/2024	Excess Emissions (CEM)	Compliance	4th Quarter EERs 0% downtime
03/05/2024	ROP Annual Cert	Compliance	Linde plant had no deviations.
02/07/2024	On-site Inspection	Non Compliance	SE11ETCH had one instance (4/12) when the pH on scrubber was below required value for 1.5 hours. Facility did not identify on semi-annual certification. VN was sent to prevent reoccurrence.
11/01/2023	Excess Emissions (CEM)	Compliance	Quarterly Excess Emissions for Boiler 10
09/25/2023	ROP Semi 1 Cert	Compliance	Section one of ROP. No deviations reported.
08/04/2023	Excess Emissions (CEM)	Compliance	2023 2nd Quarter Excess Emission Report Quarterly Excess Emissions Report for Boiler 10 and QA Procedures Data Assessment Report No excess emissions reported. No CEMS downtime reported.
08/04/2023	CEM RATA	Compliance	PEMS Relative Accuracy Audit Source Test Report for 2023 RAA Testing completed on June 6, 2023 for EUBOILER10. Testing completed by Montrose Air Services.
08/02/2023	ROP Semi 1 Cert	Compliance	Section two of ROP. No deviations reported.

Activity Date	Activity Type	Compliance Status	Comments
04/24/2023	MAERS	Compliance	Certification of 2022 MAERS submittal
04/24/2023	ROP SEMI 2 CERT	Compliance	No deviations reported. There was a typographical error on the original ROP Cert submitted. The date for the semi-annual certification was filled in as 1/1/2022 to 12/31/2022, rather than 7/1/2022 to 12/31/2022. This error was pointed out to the facility. A ROP Cert with the corrected date was submitted on 4/24/2023.
04/24/2023	ROP Annual Cert	Compliance	No deviations reported.
04/18/2023	ROP SEMI 2 CERT	Compliance	Section two of ROP. No deviations reported.
04/18/2023	ROP Annual Cert	Compliance	Section two of ROP. No deviations reported.
04/14/2023	Excess Emissions (CEM)	Compliance	Quarterly Excess Emissions Report for Boiler 10 and QA Procedures Data Assessment Report 2023 1st Quarter Quality Assurance Procedures Data Assessment Report and Excess Emissions Report for Boiler 10 No excess emissions reported. No CEMS downtime reported.
02/03/2023	Excess Emissions (CEM)	Compliance	2022 Fourth Quarter QZ Procedures Data Assessment Report and Excess Emissions Report for Boiler 10 No excess emissions reported. No CEMS downtime reported. RATA completed on 12/6/2022
11/29/2022	Telephone Notes		Missed 30 day notification for RATA of EUBOILER10
11/03/2022	Excess Emissions (CEM)	Compliance	Third Quarter Excess Emissions and QA Report 3rd Quarter 2022 Quality Assurance Procedures Data Assessment Report 3rd Quarter 2022 Excess Emissions Report for Boiler 10 No excess emissions reported. No CEMS downtime reported. RAA reported as not required this quarter per PS16 Section 9.3
09/21/2022	ROP Semi 1 Cert	Compliance	Section Two, Linde Inc. No deviations reported.
09/21/2022	ROP Semi 1 Cert	Compliance	Section One, HSC. No deviations reported.

Activity Date	Activity Type	Compliance Status	Comments
09/14/2022	Excess Emissions (CEM)	Compliance	2nd Quarter 2022 Quality Assurance Procedures Data Assessment Report 2nd Quarter 2022 Excess Emissions Report for Boiler 10 No excess emissions reported. No CEMS downtime reported.
09/14/2022	CEM RATA	Compliance	Source Test Report for 2022 RAA Testing completed on May 17, 2022. Testing completed by Montrose Air Services.
05/13/2022	ROP Other	Compliance	Submittal of C-001 Certification, M-001 R216(2) Modification Application, and AI-001 Additional information. Facility received PTI mod for EUBOILER10. PTI 185-18A increased the NOx lb/MMBtu 30-day rolling emission limit.
05/12/2022	Excess Emissions (CEM)	Compliance	Quarterly excess emissions reports and quarterly data assessment report for EUBOILER10. No excess emissions reported. No CEMS downtime reported. The Boiler 10 PEMS has passed all quarterly RAAs in the first year as well as the subsequent yearly RATA in the second year. As a result, HSC received authorization from EGLE to move to a single mid-year RAA per PS16 Section 9.3.
03/29/2022	ROP Annual Cert	Compliance	Section Two: Linde Inc No deviations reported
03/29/2022	ROP SEMI 2 CERT	Compliance	Section Two: Linde Inc No deviations reported

Activity Date	Activity Type	Compliance Status	Comments
03/29/2022	ROP Annual Cert	Compliance	Section One: HSC Deviations reported A deviation report was included for the period of 1/1/2021 to 12/31/2021 with the following deviations reported: 2/26/2021: 4121 pounds of HCL released to atmosphere during repair activities. Incidence was previously reported. 7/29/2021 to 8/31/2021: EUBOILER10 30 day rolling NOx limit of 0.037 lb/MMBtu was exceeded for 18 operating days. The exceedances occurred due to the boiler operating at low loads and intermittently. A VN was issued for the exceedance. A PTI mod has been issued with an increased limit to the NSPS limit.
03/29/2022	ROP SEMI 2 CERT	Compliance	Section One: HSC Deviation reported 7/29/2021 to 8/31/2021: EUBOILER10 30 day rolling NOx limit of 0.037 lb/MMBtu was exceeded for 18 operating days. The exceedances occurred due to the boiler operating at low loads and intermittently. A VN was issued for the exceedance. A PTI mod has been issued with an increased limit to the NSPS limit.
03/29/2022	MAERS	Compliance	Certification for submittal of 2021 MAERS report and 2021 Control Spreadsheet.

Name: Dina L. McF Date: 3-8-24

Supervisor: Chris Hare