

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 : Compliance
Source Class : MAJOR	Staff : Nathanael Gentle
FCE Begin Date : 2/22/2021	FCE Completion Date : 2/22/2022
Comments : FCE FY2022 Inspection	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
02/22/2022	On-site Inspection	Compliance	Scheduled On-site Inspection FY2022
01/24/2022	Excess Emissions (CEM)	Compliance	Quarterly Excess Emissions for Boiler 10 No excess emissions reported. No CEMS downtime reported.
12/27/2021	Other		An Email was received from Permit section saying they received a PTI application from the facility requesting a change in the lb/MMBtu NOx limit.

Activity Date	Activity Type	Compliance Status	Comments
11/02/2021	Excess Emissions (CEM)	Non Compliance	<p>PEMS Quarterly Quality Assurance Procedures Data Assessment Report and Excess Emissions Report for Boiler 10. The facility self reported exceedances to the units NOx limit of 0.037 lb/MMBtu 30-day rolling average. Excess emissions occurred on 18 days during the reporting period. The duration of excess emissions was 7.062573394% of the total operating time. The highest 30-day rolling average reported was 0.075 NOx lb/MMBtu. Facility personnel said the reason for the exceedances was due to how the boiler is being operated. The boiler is being operated at low loads, intermittently, in order to keep the unit on standby mode. When the unit was originally permitted, the facility did not anticipate the boiler would be operated this way. The facility said they plan to submit a permit modification to get a higher limit. At no time during the reporting period did the unit exceed its hourly NOx limit of 5.6pph. A VN is being sent for the exceedances.</p>
09/27/2021	ROP Semi 1 Cert	Compliance	<p>Section 1 (1) one deviation- 4121 pounds of HCl release to atm. Exceeding R290 uncontrolled emissions limit of 1000 pounds for non-carcinogenic air contaminant. Chlorosilane residue was discovered on level transmitter. During insulation removal a valve separated from process piping which resulted in a release of HCl. Mr. Gerald Manley called AQD staff at the time of release and reported. Corrective action: Updated eng. Specs and assess where threaded stainless is used on site.</p>
07/20/2021	ROP Semi 1 Cert	Compliance	No deviations
07/20/2021	Excess Emissions (CEM)	Compliance	<p>Quarterly Quality Assurance Procedures Data Assessment Report and Excess Emissions Report for Boiler 10 0% downtime</p>
07/07/2021	MAERS	Compliance	MAERS

Activity Date	Activity Type	Compliance Status	Comments
06/07/2021	Excess Emissions (CEM)	Compliance	Quarterly Excess Emissions Reports and Quarterly Data Assessment Report Zero% downtime
04/01/2021	ROP Annual Cert	Compliance	No deviations
04/01/2021	ROP SEMI 2 CERT	Compliance	No deviations
04/01/2021	ROP Annual Cert	Compliance	
03/09/2021	ROP SEMI 2 CERT	Compliance	
03/01/2021	Telephone Notes	Compliance	HCl release from EUPLTVENT2, courtesy call.

Nathanael Dentel

Name: _____

Date: 3/7/2022

Supervisor: *Chris Hare*