

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> DENSO Manufacturing Michigan, Inc.	<b>SRN :</b> N1192
<b>Location :</b> One Denso Road	<b>District :</b> Kalamazoo
	<b>County :</b> CALHOUN
<b>City :</b> BATTLE CREEK <b>State:</b> MI <b>Zip Code :</b> 49037	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Amanda Chapel
<b>FCE Begin Date :</b> 1/1/2019	<b>FCE Completion Date :</b> 9/18/2020
<b>Comments :</b>	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
09/11/2020	Scheduled Inspection	Compliance	
03/27/2020	MAERS	Compliance	Facility submitted their MAERS report on 2/25/20. It was audited on 3/27/20 and the associated documentation appears to support the reported emissions.
03/06/2020	ROP Annual Cert	Compliance	The ROP annual compliance report was submitted with an original signature and date. The facility reports that during the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements occurred.
03/06/2020	ROP SEMI 2 CERT	Compliance	The ROP semi-annual compliance report was submitted with an original signature and date. The facility reports that during the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements occurred.
03/06/2020	MAERS	Compliance	2019 MAERS Report Certification. This was submitted with an original signature and date.
03/06/2020	Malfunction Abatement Plan	Compliance	Updated Malfunction Abatement Plan updated February 2020 for the facility. Plan came with signed and dated certification form.

Activity Date	Activity Type	Compliance Status	Comments
02/28/2020	Other Non ROP		This is notification per the approval letter for our PTI 101-16A, that our evaporator #2 plasma flux machine, E310, completed installation on Feb. 13, 2020.
01/02/2020	ROP Other	Compliance	<p>Annual Machine Oil Mass Balance Testing Report for ROP MI-ROP-N1192-2017b and various PTIs (2019).</p> <p>Denso performs annual evaporative oil loss testing on three different part size categories in all four manufacturing areas. A summary of the testing results for 2006 through 2019 is attached to this report. It appears that the most recent test was conducted in a similar fashion and time frame as previous tests. A random check review of test results revealed no calculation errors. There continues to be a degree of variability in evaporative oil loss results across the four manufacturing areas with heater cores having the least degree of deviation and radiator cores having the highest standard deviation across the thirteen years of test results. A signed ROP certification page was submitted along with the test report.</p>
11/19/2019	Stack Test	Compliance	<p>Source Test Report VOC Destruction Efficiency - for H451 oven degreaser.</p> <p>The VOC destruction efficiency (DE) and average emission rate was tested on October 8, 2019. Test was completed as a requirement of MI-ROP-N1192-2017b. Facility submitted test results with an ROP Certification Form with original signature from the responsible official and a date. Testing results show that the VOC DE was 85.7% and the average emission rate (pph) was 0.28. The permit emission limit is 95% DE or 0.33 pph. The facility shows compliance with the permit emission limit using the average emission rate.</p>
10/08/2019	Stack Test Observation	Compliance	

Activity Date	Activity Type	Compliance Status	Comments
09/16/2019	ROP Semi 1 Cert	Compliance	Facility submitted an ROP semi-annual certification form with original signature and date from responsible official. Facility certifies that during the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.
03/19/2019	ROP R215 Notification	Compliance	NOC acknowledges both DMMI & ASMI mutually agreed Fort Custer Industrial Park facilities are 1 Stationary Source. DMMI agrees that ASMI should be incorporated into ROP as Section 2. It is incorporated under Sig. Mod. #201900049.
03/14/2019	MAERS		MAERS Certification for reporting year 2018.
03/14/2019	ROP Annual Cert		Annual ROP Certification 1/1/2018 to 12/31/2018  Facility states that the stack diameter in the ROP was revised through PRI 277-041. The facility was in compliance with the new PTI but not the ROP. A minor modification was submitted to roll the PTI into the ROP and is currently under EPA 45-day review. No VN will be issued at this time.
03/14/2019	ROP SEMI 2 CERT		Semi-Annual ROP Certification 7/1/2018 to 12/31/2018  Facility states that the stack diameter in the ROP was revised through PRI 277-041. The facility was in compliance with the new PTI but not the ROP. A minor modification was submitted to roll the PTI into the ROP and is currently under EPA 45-day review. No VN will be issued at this time.

Name: Amber Cline

Date: 9/18/2020

Supervisor:

RIL 9/23/20