

Manila
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DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : DENSO Manufacturing Michigan, Inc.	SRN : N1192
Location : One Denso Road	District : Kalamazoo
	County : CALHOUN
City : BATTLE CREEK State: MI Zip Code : 49037	Compliance Status : Compliance
Source Class : MAJOR	Staff : Rex Lane
FCE Begin Date : 3/14/2017	FCE Completion Date : 4/19/2018
Comments : FCE Report	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
04/17/2018	Self Initiated Inspection	Compliance	Self Initiated Inspection
03/16/2018	ROP SEMI 2 CERT	Compliance	ROP Semi-annual Certification Report Certification report contains an original dated signature by the responsible official. The certification identifies three deviations. Two deviations are related to EU-CONDMF41 and EU-CONDGIC2 stack/vent restrictions. Facility complied with PTI No. 277-04G rather than the outdated ROP until such time as the PTI was incorporated into the ROP. The third deviation reported was for exceeding the 50 hours of non-emergency use for FG-MACT-ZZZZ. The facility is an area source for HAPs and as such, MDEQ has not taken delegation authority for 40 CFR Part 63, Subpart ZZZZ. -RIL

Activity Date	Activity Type	Compliance Status	Comments
03/16/2018	ROP Annual Cert	Compliance	<p>ROP Annual Certification</p> <p>Certification report contains an original dated signature by the responsible official. The certification identifies three deviations. Two deviations are related to EU-CONDMF41 and EU-CONDGIC2 stack/vent restrictions. Facility complied with PTI No. 277-04G rather than the outdated ROP until such time as the PTI was incorporated into the ROP. The third deviation reported was for exceeding the 50 hours of non-emergency use for FG-MACT-ZZZZ. The facility is an area source for HAPs and as such, MDEQ has not taken delegation authority for 40 CFR Part 63, Subpart ZZZZ. -RIL</p>
01/04/2018	ROP Other	Compliance	<p>Annual Evaporative Oil Mass Balance Test (2017)</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 2017 are 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 twelve years of test results. A signed ROP certification page was submitted along with the test report. -RIL</p>
09/20/2017	ROP Semi 1 Cert	Compliance	<p>ROP Certification Report contains an original dated signature by the facility's responsible official. The report states that there were no deviations from ROP terms and conditions during the reporting period. -RIL</p>

Activity Date	Activity Type	Compliance Status	Comments
08/09/2017	Stack Test	Compliance	<p>R640 Oven Degreaser VOC DE Test - PTI No. 70-07B</p> <p>Test was not observed by MDEQ District or Technical Programs Unit staff due to scheduling conflicts. Average VOC emission rate was 0.08 lbs./hour (PTI limit: 0.38) and VOC DE was 99.2% (PTI limit: 95%). Average core process rate during testing was 448 cores/hour which is 93.3% of maximum process rate. Average thermal oxidizer combustion temperature during testing was 782 degrees C or 1440 degrees F. -RIL</p>
03/15/2017	MAERS	Compliance	<p>ROP certification report for MAERS contains an original dated signature by the facility's responsible official. The MAERS report was submitted electronically to the AQD on 3/10/17. -RIL</p>

Name: RIL

Date: 4/19/18

Supervisor: ma 4/20/2018

