

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

Facility : DENSO Manufacturing Michigan, Inc.		SRN : N1192
Location : One Denso Rd.		District : Kalamazoo
		County : CALHOUN
City : BATTLE CREEK	State: MI	Zip Code : 49037
Source Class : MAJOR		Staff : Rex Lane
FCE Begin Date : 6/3/2013		FCE Completion Date : 6/9/2014
Comments :		

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
06/03/2014	Self Initiated Inspection	Compliance	Self-Initiated Inspection
04/23/2014	MAERS	Compliance	Review of 2013 MAERS Report  ROP certification for the MAERS report received on 3/13/14. Facility attached emission documentation (stack test data) for PM-10, hydrofluoric acid and NOx emissions for all manufacturing lines. Reported VOC emissions from forming oil evaporative loss appeared to align with evaporative oil loss test results from November 2012 or in the case of condenser area, was based on condition in PTI No. 277-04D. Evaporative VOC loss from flux uses was based on default PTI values (0.5% in most cases) or manufacturer's data. Thermal Oxidizer VOC destruction efficiency percentages appeared to align with previous test reports. Staff did not make any changes during the audit of this MAERS report. - RIL

Activity Date	Activity Type	Compliance Status	Comments
04/02/2014	ROP Annual Cert	Compliance	<p>Review of 2nd Semi-Annual Compliance Certification Report:</p> <p>Report contains an original dated signature by an individual that meets the definition of a responsible official. The report states that there were no deviations during the reporting period. Per discussion with district supervisor, staff sent the attached 4/2/14 email to Denso's environmental contact requested that for future compliance certification reporting, conditions that do not comport with existing ROP permit conditions be reported as a deviation until such time as the ROP renewal is issued. -RIL</p>
04/02/2014	ROP SEMI 2 CERT	Compliance	<p>Review of 2nd Semi-Annual Compliance Certification Report:</p> <p>Report contains an original dated signature by an individual that meets the definition of a responsible official. The report states that there were no deviations during the reporting period. Per discussion with district supervisor, staff sent the attached 4/2/14 email to Denso's environmental contact requested that for future compliance certification reporting, conditions that do not comport with existing ROP permit conditions be reported as a deviation until such time as the ROP renewal is issued. -RIL</p>

Activity Date	Activity Type	Compliance Status	Comments
12/13/2013	ROP Other	Compliance	<p>2013 Machining Oil Evaporative Loss Testing</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 2013 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 eight years of test results. A signed certification page was submitted along with the test report. -RIL</p>
09/27/2013	ROP Semi 1 Cert	Compliance	<p>ROP Semi-annual Compliance Certification Report: 01/1/13 - 6/30/13</p> <p>Report was stamped received on 9/12/2013 and is considered to be timely. The report appears to contain an original signature by plant personnel that meets the requirements of a responsible official. The report indicates that there were no deviations from ROP terms and conditions during the reporting period. -RIL</p>

Name: RIL

Date: 6/9/14

Supervisor: MD 6/9/2014

