

A8650  
MANILA - FCE

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

FCE Summary Report

<b>Facility :</b> FORD MOTOR CO/ WAYNE COMPLEX	<b>SRN :</b> A8650
<b>Location :</b> 37625 MICHIGAN AVE	<b>District :</b> Detroit
	<b>County :</b> WAYNE
<b>City :</b> WAYNE <b>State:</b> MI <b>Zip Code :</b> 48184	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Stephen Weis
<b>FCE Begin Date :</b> 5/1/2017	<b>FCE Completion Date :</b> 5/1/2018
<b>Comments :</b> FCE report for the Ford Michigan Assembly Plant facility in Wayne for FY 2018.	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
05/01/2018	Complaint Investigation	Compliance	Odor complaint.
05/01/2018	Scheduled Inspection	Compliance	Compliance inspection of the Ford Motor Company Michigan Assembly facility in Wayne. The Ford Michigan facility is scheduled for inspection in FY 2018.
04/16/2018	Complaint Investigation	Compliance	Odor complaint.

Activity Date	Activity Type	Compliance Status	Comments
02/13/2018	ROP Other	Compliance	<p>Ford submitted the 4th Quarter 2017 Monthly Emissions Report for the Michigan Assembly Plant facility. This report is required per the requirements put forth in FG-Facility, Special Condition VII.4 of ROP MI-ROP-A8650-2016.</p> <p>The report provides monthly VOC and PM10 emissions data for each month in the calendar quarter, as well as 12 month rolling totals. is formatted such that data for each month in the quarter is provided, along with the 12 month rolling time period sum for certain measured parameters.</p> <p>The report also contains records for the PM-10 and VOC calculations for the Michigan Assembly Plant which indicate compliance with applicable limits. The PM-10 limit is 32.45 tons per year (based on a 12 month rolling time period), and the 12 month rolling totals for the 3 months in this quarter were 3.88, 3.99 and 4.14 tons. Similarly, for VOCs, there are limits (4.8 lbs. per job, 903 tons per year, both on a 12 month rolling total basis) and the report indicates compliance with the VOC limits (the lb. VOC per job totals were 2.24, 2.19, and 2.19 and the 12 month rolling totals were 210.01, 206.79 and 217.56 tons).</p>
01/29/2018	Complaint Investigation	Compliance	Odor complaint.
01/24/2018	Stack Test Observation	Compliance	Review of stack test report.
12/22/2017	Other	Compliance	Company reported spill of 600 gallons of fuel on property.

Activity Date	Activity Type	Compliance Status	Comments
11/28/2017	ROP Other	Compliance	<p>Ford submitted the 3rd Quarter 2017 Monthly Emissions Report for the Michigan Assembly Plant facility. This report is required per the requirements put forth in FG-Facility, Special Condition VII.4 of ROP MI-ROP-A8650-2016.</p> <p>The report provides monthly VOC and PM10 emissions data for each month in the calendar quarter, as well as 12 month rolling totals. is formatted such that data for each month in the quarter is provided, along with the 12 month rolling time period sum for certain measured parameters.</p> <p>The report also contains records for the PM-10 and VOC calculations for the Michigan Assembly Plant which indicate compliance with applicable limits. The PM-10 limit is 32.45 tons per year (based on a 12 month rolling time period), and the 12 month rolling totals for the 3 months in this quarter were 3.62, 3.70 and 3.77 tons. Similarly, for VOCs, there are limits (4.8 lbs. per job, 903 tons per year, both on a 12 month rolling total basis) and the report indicates compliance with the VOC limits (the lb. VOC per job totals were 2.29, 2.30, and 2.24 and the 12 month rolling totals were 196.99, 203.05 and 203.22 tons).</p>

11/15/2017	ROP Semi 1 Cert	Compliance	<p>The ROP Certification Report for the Ford Wayne Stamping and Assembly &amp; Michigan Assembly Plant was submitted for the semi-annual period from January 1, 2017 through June 30, 2017. Eleven separate deviations were reported.</p> <p>All of the reported deviations relate to a VOC abatement system (Enamel #1 or 2) temperature falling below 1400 degrees – on January 5 for 4 minutes; on January 11 for 1 hour and 30 minutes; on February 27 for 10 minutes; on March 8 for 1 hour and 5 minutes; on March 8 for 1 hour and 40 minutes; 3 reported deviations on March 14 that lasted for 8 minutes, 8 minutes and 26 minutes respectively; two deviations on March 15 that lasted for 20 minutes and 3 hours and 20 minutes; and on June 5 for 46 minutes. Ford identified these deviations as CAM excursions, as well. Based on the information provided in the description field, all of the issues that caused these deviations appear to have all been related to electronic faults in the system, and all of the deviations look to have been quickly addressed by facility staff. The March 14 deviations involved a damper overtime fault on the exhaust fan on Enamel #2. The field for description and corrective action states that the damper was sticking, and that skilled trades staff at the facility kept observing it and fixing it, finally correcting the issue. The March 15 deviations involved a flame signal fault that issues with keeping the flame ignited. During the long deviation on the 15th, the report states that facility staff worked on the burner control valve and the main gas valve to ensure that the abatement equipment featured a good flame that stayed lit. It was also stated that there was no cleaning in the booths during this abatement equipment downtime.</p> <p>Most of these deviations were reported to AQD-Detroit via a phone message from one of the facility's environmental contacts.</p>
------------	-----------------	------------	---

11/15/2017	ROP Semi 1 Cert	Compliance	The facility's ROP does not contain short-term emission limits; the VOC limits are in tons per year and pounds per unit, on a 12 month rolling time period basis. The quarterly emission submittals for the facility indicate compliance with these limits.
11/15/2017	CAM Excursions/Exceedances	Compliance	The ROP Certification Report for the Ford Wayne Stamping and Assembly & Michigan Assembly Plant for the 1st semi-annual period of 2017 included a Compliance Assurance Monitoring Plan (CAM) certification. As part of the EQP 5736 form that was submitted to certify the time period from January 1 through June 30, 2017, it is stated that "The Michigan Assembly Plant is certifying compliance with CAM requirements except for the excursions described on the Title V Deviation forms." There were 11 ROP deviations reported during the semi-annual period. The deviations are described in more detail in the entries for the semi-annual ROP deviation report for the first semi-annual period of 2017.
11/15/2017	MACT (Part 63)	Compliance	The ROP Certification Report for the Ford Wayne Stamping and Assembly & Michigan Assembly Plant for the 1st semi-annual period of 2017 includes a compliance statement regarding the facility's compliance with 40 CFR Part 63, Subpart IIII (the Auto MACT). It was stated that the facility utilized the compliance option stated in 40 CFR 63.3091 (b), which allows the organic HAP emission limit in the FG-MACT flexible group in the facility's ROP to be 1.10 lbs.per GACS (gallons applied coating solids). Ford was able to chose this option due to the e-coat material used in EU-ECOAT not containing and reportable HAPs. The report further states that "There were no deviations to Auto MACT requirements."

Activity Date	Activity Type	Compliance Status	Comments
09/12/2017	ROP Other	Compliance	<p>Ford submitted the 2nd Quarter 2017 Monthly Emissions Report for the Michigan Assembly Plant facility. This report is required per the requirements put forth in FG-Facility, Special Condition VII.4 of ROP MI-ROP-A8650-2016.</p> <p>The report provides monthly VOC and PM10 emissions data for each month in the calendar quarter, as well as 12 month rolling totals. is formatted such that data for each month in the quarter is provided, along with the 12 month rolling time period sum for certain measured parameters.</p> <p>The report also contains records for the PM-10 and VOC calculations for the Michigan Assembly Plant which indicate compliance with applicable limits. The PM-10 limit is 32.45 tons per year (based on a 12 month rolling time period), and the 12 month rolling totals for the 3 months in this quarter were 3.57, 3.68 and 3.61 tons. Similarly, for VOCs, there are limits (4.8 lbs. per job, 903 tons per year, both on a 12 month rolling total basis) and the report indicates compliance with the VOC limits (the lb. VOC per job totals were 2.24, 2.26, and 2.28 and the 12 month rolling totals were 190.63, 198.34 and 195.01 tons).</p>
09/05/2017	Complaint Investigation	Compliance	Odor complaint.
08/28/2017	Complaint Investigation	Compliance	Complaint investigation.
07/28/2017	Complaint Investigation	Compliance	Odor complaint investigation.
05/30/2017	Other	Compliance	Review of RY2016 MAERS submittal.

Activity Date	Activity Type	Compliance Status	Comments
05/30/2017	ROP Other	Compliance	<p>Ford submitted the 1st Quarter 2017 Monthly Emissions Report for the Michigan Assembly Plant facility. This report is required per the requirements put forth in FG-Facility, Special Condition VII.4 of ROP MI-ROP-A8650-2016.</p> <p>The report provides monthly VOC and PM10 emissions data for each month in the calendar quarter, as well as 12 month rolling totals. is formatted such that data for each month in the quarter is provided, along with the 12 month rolling time period sum for certain measured parameters.</p> <p>The report also contains records for the PM-10 and VOC calculations for the Michigan Assembly Plant which indicate compliance with applicable limits. The PM-10 limit is 32.45 tons per year (based on a 12 month rolling time period), and the 12 month rolling totals for the 3 months in this quarter were 3.79, 3.59 and 3.61 tons. Similarly, for VOCs, there are limits (4.8 lbs. per job, 903 tons per year, both on a 12 month rolling total basis) and the report indicates compliance with the VOC limits (the lb. VOC per job totals were 2.31, 2.29, and 2.29 and the 12 month rolling totals were 210.24, 196.31 and 195.86 tons).</p>

Name: Steve Wiles Date: 4/1/19 Supervisor: JK