

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

Facility : Consumers Energy - St. Clair Compressor Station		SRN :	B6637
Location : 10021 MARINE CITY HWY.		District :	Southeast Michigan
		County :	SAINT CLAIR
City :	IRA TWP	State:	MI Zip Code : 48023 Compliance Status :
Source Class :	MAJOR	Staff :	Sebastian Kallumkal
FCE Begin Date :	1/1/2015	FCE Completion Date :	3/7/2017
Comments : From the information collected during the inspection and records review, the facility appears to be in compliance with the ROP requirements.			

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
02/07/2017	Stack Test	Compliance	Testing on May 27, 2016 89% CO Reduction, 11 ppmvd @ 15% O2 (MACT limit 93% reduction of 47 ppmvd @ 15% O2) Testing pursuant to Area MACT Subpart ZZZZ.
02/02/2017	Scheduled Inspection	Compliance	Onsite Inspection
11/16/2016	Stack Test	Compliance	Annual Compliance Demonstration - EUENGINE2-3 and EUENGINE2-4. Both engines have less than the required %CO reduction. The CO concentration was below the limit. Engine 2-2 was not operating. Testing pursuant to ROP and Area MACT Subpart ZZZZ.
09/21/2016	Stack Test Observation	Compliance	Emission testing for EUENGINE2-3 and EUENGINE2-4.
09/16/2016	ROP Semi 1 Cert	Compliance	No deviations reported.
09/16/2016	MACT (Part 63)	Compliance	CPMS Compliance Report.
09/16/2016	CAM monitor downtime	Compliance	CAM Reports.
06/22/2016	Release Reports	Compliance	Mr. Nead (586-206-9024) from Consumers Energy called to report a natural gas release of approximately 430,000 cu. ft. that is scheduled for June 22, 2016.

Activity Date	Activity Type	Compliance Status	Comments
06/15/2016	Other	Compliance	Notification of Installation received. Effective May 18, 2016, process equipment mentioned in PTI NO. 106-14 has been installed. ROP Mod will be submitted within 12 months.
05/27/2016	Release Reports	Compliance	Rule 285mm Notification of Natural gas Release. Approximately 11.5 MMCF scheduled for June 1, 2016. Left voice message. 10021 Marine City Hwy site. Haywood (sp?) 586 716 3382/586 206 9224.
04/05/2016	ROP Other	Compliance	MAERS Certification form. Signed.
04/05/2016	MAERS		MAERS Report Submission
03/21/2016	CAM Excursions/Exceedances	Compliance	No downtime reported
03/21/2016	CAM monitor downtime	Compliance	No monitor downtime reported.
03/21/2016	ROP Annual Cert	Compliance	Timely and Compliance
03/21/2016	ROP SEMI 2 CERT	Compliance	Timely and Compliance
03/02/2016	NSPS (Part 60)	Compliance	EUEMERGEN3-1- Construction commenced on February 10, 2016 (NG, SI RICE) Caterpillar, Engine Model G316B Family: LE, Serial No. L6J00161 (1.3 MW, 69L)
12/04/2015	Stack Test	Compliance	Annual Compliance Demonstration Test Report for EUENGINE2-2 & EUENGINE2-3. Both engines in compliance %CO reduction. Engine 2-2 compliance with >97 %reduction. Engine 2-3 only 90% CO reduction. Engine 2-4 not operating. Testing pursuant to ROP and MACT Subpart ZZZZ. Forwarded to TPU for calculation review.
12/02/2015	NSPS (Part 60)	Compliance	PTI No. 106-14 Initial Notification for four engines (EUENGINE3-1, EUENGINE3-2, EUENGINE3-3, EUENGINE3-4) IN FGENGINE3-P3. Subject to 40 CFR 60, Subpart JJJJ. See notification for engine specifications.
09/23/2015	Stack Test	Compliance	Test Report for EUTURBINECI-1 and EUTURBINECI-2. Retest for May 19, 2015 tests. Reestablished operating ranges (NGP) for both turbines (93%-98%).

Activity Date	Activity Type	Compliance Status	Comments
09/23/2015	ROP Semi 1 Cert	Compliance	Turbines repaired and retested. Deviations corrected. In compliance.
09/23/2015	CAM monitor downtime	Compliance	CAM Reports Semi-Annual CPMS Compliance Report. No CAM downtime reported.
09/23/2015	MACT (Part 63)	Compliance	CPMS downtime events report for EUENGINE2-2, EUENGINE2-3, EUENGINE2-4. Catalyst inlet temperature monitoring.
07/21/2015	Stack Test Observation	Compliance	Re-test for Turbine 1 and Turbine 2
07/17/2015	Stack Test	Non Compliance	The Stack test report show that the NOx emissions in gm/bhp-hr for each turbine was above the NSPS Subpart GG and ROP limits of 0.47g/bhp-hr. Occurred due to faulty valve closure which caused excess fuel flow in to the engines. Corrected the issue and agree to retest on July 20-22, 2015. Violation Notice sent on July 23, 2015. (Previously marked date received as 7/16/2015)
05/19/2015	Stack Test Observation	Compliance	Onsite observation
04/28/2015	Self Initiated Inspection	Compliance	On site Inspection
04/17/2015	CAM monitor downtime	Compliance	Semi-Annual CPMS Compliance Report.
04/10/2015	CAM Excursions/Exceedances	Compliance	No excursions or exceedances reported.
04/10/2015	MACT (Part 63)	Compliance	Received copy of request to move the stack test date for engines (Annual Compliance test for 3 RICE engines pursuant to Subpart ZZZZ. New testing scheduled for September 7, 2015.
04/10/2015	ROP Other	Compliance	MAERS ROP Certification
04/10/2015	ROP SEMI 2 CERT	Compliance	No deviations reported.
04/10/2015	ROP Annual Cert	Compliance	No deviations reported.
04/07/2015	MAERS	Compliance	MAERS Report. Reviewed and uploaded

Name:

Sebastian Kallankal

Date:

3/7/2017

Supervisor:

[Signature]