

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

<b>Facility :</b> Bluewater Gas Storage Facility	<b>SRN :</b> N7303
<b>Location :</b> 333 South Wales Center Road	<b>District :</b> Southeast Michigan
	<b>County :</b> SAINT CLAIR
<b>City :</b> COLUMBUS <b>State:</b> MI <b>Zip Code :</b> 48603	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> SM OPT OUT	<b>Staff :</b> Sebastian Kallumkal
<b>FCE Begin Date :</b> 1/1/2015	<b>FCE Completion Date :</b> 6/22/2016
<b>Comments :</b> Based on the records review and the inspection, facility appears to be in compliance with the applicable and reviewed air quality regulations.	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
06/22/2016	Telephone Notes	Compliance	Talked to Terry Wright, AQD Permit Section about FG FACILITY Material Limit of Natural Gas Fuel = 1.064 MMCF. This number does not appear accurate based on the material usage for other EUs in the permit (323 MMSCF 48.4 MMSCF for EUWGDEHY). Terry offered to look into it.
05/26/2016	Scheduled Inspection	Compliance	Onsite Inspection
04/15/2016	MAERS	Compliance	MAERS Report Submission. Reviewed and uploaded.
02/01/2016	MACT (Part 63)	Compliance	Semi-Annual Compliance Report (40 CFR 63 Subpart ZZZZ). Retested in September 30, 2015. Compliance.
12/02/2015	Stack Test	Compliance	Engine Compliance Testing for engines EU-COMPWEST, EU-COMPEAST and EU-COMP NORTH. This is a re-test of the Subpart ZZZZ (PTI No. 77-14) tests conducted in March 2015. Because testing during winter months are unfeasible the facility wanted to change the annual test date. The current tests show compliance with emission limits for all three engines.

Activity Date	Activity Type	Compliance Status	Comments
07/17/2015	MACT (Part 63)	Compliance	Semi-Annual Compliance Report (40 CFR 63 Subpart ZZZZ)- Not reviewed. Emissions in compliance with PTI No. 77-14. Reports shows emission results are in compliance with PTI limits.
04/14/2015	MAERS	Compliance	MAERS Report. Reviewed and uploaded.

04/13/2015	Stack Test	Compliance	<p>Engine Compliance Testing for engines EU-COMPWEST, EU-COMPEAST and EU-COMP NORTH. Stack Test Report Review for February 25 and 26, 2015. Bluewater Gas Storage (N7303) Bluewater Gas Storage (N7303)</p> <p>Stack test Report for tests conducted on February 25 and 26, 2015, pursuant to PTI No. 77-14 and RICE MACT for area sources of HAPs. Report received on March 27, 2015.</p> <p>RICE MACT-Existing non-emergency 4SLB stationary RICE &gt;500 HP located at an area source of HAP - a. Install an oxidation catalyst b. show that the average reduction of emissions of CO is 93 percent or more, or the average CO concentration is less than or equal to 47 ppmvd at 15% O2 Test Results.</p> <p>EU-COMPWEST CO = 9.8 ppmvd at 15% O2 EU- EUCOMPEAST CO = 10.1 ppmvd at 15% O2 EU-COMP NORTH CO = 0.2 ppmvd at 15% O2 PTI limits:</p> <p>EU-COMPWEST &amp; EUCOMPEAST NOx – 7.4 lb/hr; CO – 1.85 lb/hr</p> <p>EU-COMP NORTH NOx – 4.50 LB/hr; CO – 0.40 Lb/hr; Formaldehyde – 0.002 lb/hr</p> <p>Test Results.</p> <p>EU-COMPWEST NOx – 3.01 lb/hr; CO – 0.61 lb/hr</p> <p>EU- EUCOMPEAST NOx – 6.16 lb/hr; CO – 0.67 lb/hr</p> <p>EU-COMP NORTH NOx – 3.80 LB/hr ; CO – 0.20 Lb/hr ; Formaldehyde – 0.002 lb/hr</p> <p>Conclusion: The emission concentrations and emission rates are below the limits specified in the applicable requirements.</p>
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Activity Date	Activity Type	Compliance Status	Comments
03/26/2015	Stack Test Observation	Compliance	CO, NOx and Formaldehyde testing for EU-COMP NORTH (Unit 1).

Name: S. Kallumkal

Date: 7/13/2016

Supervisor:

CJE