

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> Consumers Energy - Ray Compressor Station	<b>SRN :</b> B6636
<b>Location :</b> 69333 OMO RD.	<b>District :</b> Warren
	<b>County :</b> MACOMB
<b>City :</b> ARMADA <b>State:</b> MI <b>Zip Code :</b> 48005	<b>Compliance Status :</b> Non Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Noshin Khan
<b>FCE Begin Date :</b> 9/30/2021	<b>FCE Completion Date :</b> 8/7/2023
<b>Comments :</b> noncompliance with EUDEHY S.C. III.2 and IV.2, and FGDEHYHHH S.C. III.2 and III.3; VN not issued bc AQD staff determined corrective action was made when excursion report was reviewed	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
05/15/2023	MAERS	Compliance	MAERS Report Submission. MAERS audit passed 05/15/23. Emission factors used are MAERS emission factors, stack test factors, and permit limits as specified for each unit in calculations provided. Review of calculations indicate accurate emissions reporting. Source total emissions are 114 lbs ammonia, 7331 lbs CO, 0.02 lbs lead, 43706 lbs NOx, 3 lbs PM10 filterable, 300 lbs PM10, 3 lbs PM2.5 filterable, 300 lbs PM2.5, 230 lbs SO2, 4 lbs TOCs, and 4508 lbs VOCs.
03/27/2023	ROP Annual Cert	Compliance	EUDEHY3 III.2 & IV.2 (daily avg TO temp below 1400F) on March 16, 2022; FGDEHYHHH III.2, III.3, VI.3, VI.14 (daily avg TO temp below minimum) on various days in January/February/March 2022. Corrective actions: cleaned plugged fuel line, increasing set point, additional staff training, updated PM plan. GRI-GLYCalc verified VOC/benzene/BTEX emissions not exceeded.
03/27/2023	ROP SEMI 2 CERT	Compliance	No deviations reported.

Activity Date	Activity Type	Compliance Status	Comments
03/27/2023	MACT (Part 63)	Compliance	Semi-Annual CPMS Compliance Report. No CPMS deviations reported 07/01/22-12/31/22 (Subpart ZZZZ). No malfunctions, excursions, CPMS downtime, leaks, or performance tests for EUGLYCDEHYD01/EUGLYCDEHYD02/EUDEHY3 reported (Subpart HHH). Tune-ups performed on EUBOILER3/EUIPIPEHEATER31/EUIPIPEHEATER32 (Subpart DDDDD).
03/27/2023	MAERS	Compliance	ROP Report Certification form accompanying MAERS submittal.
11/15/2022	On-site Inspection	Non Compliance	scheduled on-site inspection
10/07/2022	ROP Semi 1 Cert	Compliance	Mechanical malfunctions were corrected and corrective actions to prevent a recurrence have been implemented. No emission limits were exceeded.
10/07/2022	ROP R215 Notification	Compliance	Notification of an "Off-Permit" change, pursuant to Rule 215(3), to provide a change in classification of a portable, certified, nonroad engine to a certified stationary non-emergency engine. Also submitting an Administrative Amendment for a typographical error in the emission unit description for EUAUXBLR2-7.

Activity Date	Activity Type	Compliance Status	Comments
08/17/2022	Stack Test	Compliance	Report summarizes the results of testing conducted on June 14-16, 2022 at Consumers Energy Company's Ray Compressor Station. Performance tests were conducted on five (5) 4-stroke lean burn (4SLB) natural gas-fired, reciprocating internal combustion engines (RICE), identified as EUENGINE31, EUENGINE32, EUENGINE33, EUENGINE34, and EUENGINE35 (i.e., FGENGINE3). Test Results CO Reduction summary (NOTE: permit requires > or equal to 93% destruction efficiency): EUENGINE31: 96%, 2.5 inches water column pressure drop. EUENGINE32: 98%, 2.4 inches water column pressure drop. EUENGINE33: 98%, 2.1 inches water column pressure drop. EUENGINE34: 96%, 2.3 inches water column pressure drop. EUENGINE35: 96%, 1.8 inches water column pressure drop.
05/31/2022	MAERS	Compliance	2021 MAERS Supplemental Control Template (SCT) submittal. Timely submittal.
05/24/2022	Release Reports	Compliance	Consumers Energy called the PEAS line at 7:43 PM on Jan. 24, 2022 to report 5.6 mcf of natural gas was released to the ambient air from Ray Compressor Station. The release was from a relief valve activation due to unknown causes.
05/24/2022	MAERS	Compliance	MAERS Report Submission. Reported values appear valid.

Name: Noshir Khan

Date: 10/02/2023

Supervisor: K. Kelly