

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

<b>Facility :</b> Consumers Energy D.E. Karn Facility	<b>SRN :</b> B2840
<b>Location :</b> 2742 N. Weadock Hwy.	<b>District :</b> Bay City
	<b>County :</b> BAY
<b>City :</b> ESSEXVILLE <b>State:</b> MI <b>Zip Code :</b> 48732	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Benjamin Witkopp
<b>FCE Begin Date :</b> 9/20/2022	<b>FCE Completion Date :</b> 9/20/2023
<b>Comments :</b>	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
09/20/2023	On-site Inspection	Compliance	Facility inspection
08/17/2023	Excess Emissions (CEM)	Compliance	1st Quarter Excess Emission and Downtime Reports (Karn 1&2 and 3&4), and MATS PM 30 DRA Reports (Karn 1&2) - No issues noted in any of the reports
06/14/2023	MACT (Part 63)	Compliance	Initial Notification / Notification of Construction/Installation pursuant to 40 CFR 63 Subpart DDDDD and 40 CFR 60 Subpart Dc Units are to provide comfort heat to Karn 3 and 4 and auxiliary boilers A and B building. They are exempt from AQD permitting per rule 282(2)(b)(i) and documentation provided.
05/17/2023	Excess Emissions (CEM)	Compliance	1st Quarter Excess Emission and Downtime Reports (Karn 1&2 and 3&4), and MATS PM 30 DRA Reports (Karn 1&2) - No issues noted in any of the reports other than for TPU due to 10 % downtime of Karn 3 and 4 opacity monitor felt to be due to power interruption to unit.
05/17/2023	MAERS	Compliance	received timely

Activity Date	Activity Type	Compliance Status	Comments
03/29/2023	ROP Annual Cert	Compliance	Received timely CMS correctly reported two different time frames to account for ROP issuance. MACES dates represent a full period. - only deviation was 6 minute opacity of 44% from Karn 1 stack during high wind event causing stack to sway. All control equipment operating properly so thought was solids / particulate / dust from stack walls became dislodged resulting in the opacity reading.
03/29/2023	ROP SEMI 2 CERT	Compliance	Received timely CMS correctly reported two different time frames to account for ROP issuance. MACES dates represent a full period.
03/29/2023	CAM Excursions/Exceedances	Compliance	None reported
03/29/2023	CAM monitor downtime	Compliance	None reported
03/29/2023	ROP Annual Cert	Compliance	Received timely - CMS correctly reported two different time frames to account for ROP issuance. MACES dates represent a full period. Two issues previously reported and opacity issues due to oil burner guns. No VN warranted..
03/29/2023	ROP SEMI 2 CERT	Compliance	Received timely CMS correctly reported two different time frames to account for ROP issuance. MACES dates represent a full period. Issues concerned opacity levels and were attributed to oil burner guns. VN not warranted.
03/29/2023	ROP Annual Cert	Compliance	Received timely - CMS correctly reported two different time frames to account for ROP issuance. MACES dates represent a full period.
03/29/2023	ROP SEMI 2 CERT	Compliance	Received timely - CMS correctly reported two different time frames to account for ROP issuance. MACES dates represent a full period.
03/29/2023	CAM Excursions/Exceedances	Compliance	None reported
03/29/2023	CAM monitor downtime	Compliance	None reported

Activity Date	Activity Type	Compliance Status	Comments
03/29/2023	MACT (Part 63)	Compliance	Karn 1 & 2 MATS 40 CFR 63 Subpart UUUUU Semi-Annual Compliance Report Certification  Issues involved calibration issues and involved much investigation which were brought to the attention of AQD - Technical Programs Unit Once the situation was resolved it was determined that even if invalidated data was included, the MATS mercury limit would still not have been exceeded as concurred by TPU
03/29/2023	MACT (Part 63)	Compliance	Karn 3 & 4 MATS 40 CFR 63 Subpart UUUUU Semi-Annual Compliance Report Certification
03/23/2023	CEM RATA		2022 Karn Unit 2 Hg CEMS RATA Report - TPU jurisdiction
03/23/2023	MACT (Part 63)	Compliance	Subpart DDDDD Boiler MACT Tune Up Report
02/22/2023	MACT (Part 63)	Compliance	Subpart DDDDD Compliance Reports for Tune ups
02/22/2023	Excess Emissions (CEM)	Compliance	2022 4th Quarter excess emissions report - none reported
02/22/2023	Excess Emissions (CEM)	Compliance	2022 4th Quarter excess emissions report - none reported
02/22/2023	MACT (Part 63)	Compliance	MATS PM CEMS 4th quarter - no emissions exceedances
11/22/2022	Excess Emissions (CEM)	Compliance	Third Quarter Karn 1& 2 Excess Emission and Downtime Reports - no excess emissions reported
11/22/2022	Excess Emissions (CEM)	Compliance	Third Quarter Excess Emission Downtime Reports - no excess emissions reported
11/22/2022	MACT (Part 63)	Compliance	MATS PM 30 DRA Reports, monitor downtime TPU jurisdiction, no emissions exceedances
10/24/2022	ROP Other	Compliance	Fully Reclaimed On-Spec Fuel Quality Control Program - Co & AQD worked through it before it was submitted
10/19/2022	ROP Semi 1 Cert	Compliance	Received timely - only deviation was 6 minute opacity of 44% from Karn 1 stack during high wind event causing stack to sway. All control equipment operating properly so thought was solids / particulate / dust from stack walls became dislodged resulting in the opacity reading.

Activity Date	Activity Type	Compliance Status	Comments
10/19/2022	ROP Semi 1 Cert	Compliance	Received timely - Issues concerned opacity levels and were attributed to oil burner guns. VN not warranted.
10/19/2022	ROP Semi 1 Cert	Compliance	Received timely
10/19/2022	CAM Excursions/Exceedances	Compliance	None reported
10/19/2022	CAM monitor downtime	Compliance	None reported
10/19/2022	CAM Excursions/Exceedances	Compliance	None reported
10/19/2022	CAM monitor downtime	Compliance	Differential pressure readings missed one week, VEs still done.
10/19/2022	MACT (Part 63)	Compliance	MATS 40 CFR 63 Subpart UUUUU Semi Annual Compliance Certification
10/19/2022	MACT (Part 63)	Compliance	MATS 40 CFR 63 Subpart UUUUU Semi Annual Compliance Certification

Name: B. Zentgraf

Date: 9/28/23

Supervisor: C. Hale