

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : US ECOLOGY MICHIGAN	SRN : M4782
Location : 49350 N. I 94 SERVICE DR	District : Detroit
	County : WAYNE
City : BELLEVILLE State: MI Zip Code : 48111	Compliance Status : Compliance
Source Class : MAJOR	Staff : C. Nazaret Sandoval
FCE Begin Date : 7/30/2020	FCE Completion Date : 7/30/2021
Comments : FCE for FY 2021	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
06/11/2021	On-site Inspection	Compliance	FY 2021 Scheduled Inspection
05/25/2021	Other	Compliance	Report No. CA_M478258199 - Review and comments to the 2020 MAERS report. The review/audit was completed and passed on 5/25/2021.
03/18/2021	ROP SEMI 2 CERT	Compliance	ROP Section 1 - Semi-annual ROP certification for period 7/1/2020 to 12/31/2020, postmarked 3/18/2021. No deviations reported for the cited period.
03/18/2021	ROP SEMI 2 CERT	Compliance	ROP Section 2 - Semi-annual ROP certification for period 7/1/2020 to 12/31/2020, postmarked 3/18/2021. No deviations were reported during this period. After the EPA approval of the decommissioning of the existing landfill gas collection and control system (GCCS) on 5/16/2017 the facility proceeded to shut down the system. The engine operations at WER terminated on 12/27/2017 by turning off the landfill gas compressor and closing/locking-out the landfill gas feeding valve.

Activity Date	Activity Type	Compliance Status	Comments
03/18/2021	ROP Annual Cert	Compliance	<p>ROP Section 3 - Annual ROP certification for period 1/1/2020 to 12/31/2020, postmarked 3/18/2021. No deviations or exceedances were reported. The passive vent system installed at the MSW landfill cells at Fons, Old Wayne and Site # 1 were decommissioned on 10/07/2017 after EPA approval on 5/16/2017. The active gas collection system at Site #2 landfill, which fed the electric generation plant at Wayne Energy Recovery (WER), was turned off on 12/27/2017. The facility submitted the ROP certification forms for Section 3 because the emission units listed in Section 3 are still part of the current ROP. This section will be revised during the ROP renewal process.</p>
03/18/2021	ROP Annual Cert	Compliance	<p>ROP Section 2 - Annual ROP certification for period 1/1/2020 to 12/31/2020, postmarked 3/18/2021. The engine operations at Wayne Energy Recovery (WER) terminated in December 2017. The facility still submits the ROP certification forms for Section 2 because the emission units (FGENGINES and EUTREATMENTSYS) regulated by the ROP on Section 2 are still part of the current ROP. This will be revised during the ROP renewal process.</p>
03/18/2021	ROP Annual Cert	Compliance	<p>ROP Section 1 - Annual ROP certification for period 1/1/2020 to 12/31/2020, postmarked 3/18/2021. No deviations were reported.</p>
03/18/2021	CAM Excursions/Exceedances	Compliance	<p>CAM monitor downtime and excursion/exceedance report for ROP Sections 1 to 3 POSTMARKED by AQD Detroit Office on 3/18/2021. No reported downtime, excursions or exceedances for period 7/1/2020 to 12/31/2020.</p>

Activity Date	Activity Type	Compliance Status	Comments
03/18/2021	NESHAP (Part 61)	Compliance	<p>ROP Section 1 - Annual report for year 2020 submitted in compliance with Part 61 Subpart FF Benzene NESHAP - Timely submitted , postmarked 3/18/2021 . The facility reported the annual Total Annual Benzene (TAB) for MDWTP in compliance with 61.357(d) (2) and certified annual inspections per 61.354 (f) (1). No deviations reported.</p>
03/18/2021	ROP SEMI 2 CERT	Compliance	<p>ROP Section 3 - Semi-annual ROP certification for period 7/1/2020 to 12/31/2020, postmarked 3/18/2021. No deviations or exceedances were reported.</p> <p>The passive vent system at the MSW landfill cells installed at Font, Old Wayne and Site # 1 were decommissioned on 10/07/2017 after EPA approval on 5/16/2017. Therefore, the gas collection system is no longer subject to EG. The active gas collection system at Site #2 landfill (which fed the electric generation plant at Wayne Energy Recovery (WER)) was turned off on 12/27/2017. The facility submitted the ROP certification forms for Section 3 because the emission units listed in Section 3 are still part of the current ROP. This section will be revised during the ROP renewal process.</p>

Activity Date	Activity Type	Compliance Status	Comments
03/18/2021	MACT (Part 63)	Compliance	<p>ROP Section 1 - RTO Semi-Annual Planned Routine Maintenance Report pursuant to NESHAP from Off-Site Waste and Recovery Operations (40 CFR 63.697 Subpart DD) - Period 7/1/2020 to 12/31/2020 - Postmarked 3/18/2021.</p> <p>This report summarizes the RTO planned scheduled (S) maintenance activities for the cited period. In addition, all unscheduled (U) repairs and/or malfunctions to the RTO resulting in the system shutdown have been documented. All treatment operations are ceased during RTO downtime to assure permit compliance.</p> <p>During this period, the RTO was shut-down for the 3 and 6 month routine maintenance and the annual RTO calibration. On 9/5/2020 the facility recorded about 18 hours-downtime during a 3-month maintenance. Also reported was a shutdown in 9/19 and 9/20 for building electrical maintenance. The East Treatment Building was shutdown for maintenance for 10-days from 10/16 to 10/26. A combined 3 and 6-month scheduled maintenance occurred in 12/5 and a scheduled shut down in 12/26 to clean the scrubber tank. The unscheduled (U) downtime varied from short spans of 20 to 30 minutes to several hours, depending on the causes; which included: repair water booster pump, power outages, scrubber system cleaning, service air compressor system, etc.</p>
03/15/2021	MAERS	Compliance	<p>2020 MAERS report submitted on March 15, 2021. The Supplemental Control Template requested by AQD-ERAU was also submitted electronically with the report. AQD audited the MAERS report. For audit/review and comments refer to report No. CA_M478258199.</p>

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09/15/2020	ROP Semi 1 Cert	Compliance	ROP Section 1 - Semi-annual ROP certification for period 1/1/2020 to 6/30/2020, postmarked 9/15/2020. No deviations were reported for the cited period.
09/15/2020	ROP Semi 1 Cert	Compliance	<p>ROP Section 2 - Semi-Annual ROP certification for period 1/1/2020 to 6/30/2020, postmarked 9/15/2020. No deviations reported for the cited period.</p> <p>The engine operations at Wayne Energy Recovery (WER) terminated on 12/27/2017 after the decommissioning of the landfill gas collection and control system. The landfill gas compressor was turned-off and the landfill gas feeding valve was locked-out. The facility submitted ROP certification for Section 2 because the emission units (FGENGINES and EUTREATMENTSYS) are still part of the current ROP. This will be revised during the ROP renewal process.</p>
09/15/2020	ROP Semi 1 Cert	Compliance	<p>ROP Section 3 - Semi-annual ROP certification for period 1/1/2020 to 6/30/2020, postmarked 9/15/2020. No deviations or exceedances were reported for the cited period.</p> <p>The passive vent system installed at the MSW landfill cells at Fons, Old Wayne and Site # 1 were decommissioned on 10/07/2017 after EPA approval on 5/16/2017. The active gas collection system at Site #2 landfill, which fed the electric generation plant at Wayne Energy Recovery (WER), was turned off on 12/27/2017. The facility submitted ROP certification for Section 3 because the emission units listed in Section 3 are still part of the current ROP. This section will be revised during the ROP renewal.</p>

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08/24/2020	ROP Other	Compliance	<p>As required by Section 1 of MIROP-M4782-2010a for FG East/SC V.2 and FG West/SC V.3; US Ecology provided notification (via email received on 8/13/2020) of the plans for conducting Procedure - T and negative static pressure test at the East and West treatment buildings on 8/21/2020, if weather permits. On 8/24/2020 I received confirmation that the test was conducted as planned and the results demonstrated negative pressures.</p>

Name: Nazaret Pandoral Date: 8/5/2021 Supervisor: JK