

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : South Kent Landfill	SRN : N1324
Location : 10300 South Kent Drive SW	District : Grand Rapids
	County : KENT
City : BYRON CENTER	State: MI Zip Code : 49315 Compliance Status : Compliance
Source Class : MAJOR	Staff : Chris Robinson
FCE Begin Date : 7/24/2023	FCE Completion Date : 7/24/2024
Comments : FY '24 Inspection	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
07/23/2024	ROP Semi 1 Cert	Non Compliance	Postmarked 9/15/23. Semi Annual certification received on time and properly certified. One deviation was reported for failing to monitor and record daily monitoring parameters of the MAPMP from June 1, 2023 through July 12, 2023. This was due to staffing changes.
06/21/2024	On-site Inspection	Compliance	FY '24 on-site inspection to determine the facility's compliance status with respect to MI-ROP-N1888-2022 and any other applicable air quality rules and regulations.

Activity Date	Activity Type	Compliance Status	Comments
05/10/2024	Stack Test	Compliance	<p>EUIENGINE3 emissions testing results from testing conducted on 2/27/2024. Testing was required per MI-ROP-N1324-2023a (5-year test) and NSPS JJJJ (8760 test). Final results were received on time (due 4/27/24 & received 4/25/24) and complete.</p> <p>Pound per hour limits is required per the ROP 5-year test and g/bhp-hr. limits are required for the NSPS JJJJ test. Both were reported by the facility. ROP 5-year test results are as follows: CO = 11.08 pph (limit 16.30), NOx = 1.55 pph (limit 4.94), SO2 = 4.19 pph (limit 5.55), HCOH = 1.68 pph (limit 2.42). NSPS testing results are as follows: CO = 2.4 g/bhp-hr. (limit 5.0), NOx = 0.33 (limit 3.0), and VOCs = 0.11 g/bhp-hr. (1.0). The engines generator was operated with an average output of 1,530 kW which approximately 95.6% of its maximum rated capacity of 1,600kw, which is well within requirement to operate within 10% of maximum.</p>
04/30/2024	Annual Emissions Report (or MAERS)	Compliance	Report Certification verifying submittal of MAERS. Emissions are consistent with supporting documentation. No changes made. (CR 4/30/2024)
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04/01/2024	MACT (Part 63)	Compliance	Powerplant: Annual report pursuant to 40 CFR 63 Subpart ZZZZ. No deviations reported.
04/01/2024	ROP SEMI 2 CERT	Compliance	Landfill: ROP Semi Annual Report Certification for 7/1/23 through 12/31/23. No deviations reported.
04/01/2024	ROP Annual Cert	Compliance	Landfill: 2023 ROP Annual Certification was received on March 15, 2023. The report noted one deviation for submitting a 2022 deviation, 7 days past the March 2023 Semi Annual Certifications due date. No further action at this time.

Activity Date	Activity Type	Compliance Status	Comments
04/01/2024	ROP SEMI 2 CERT	Compliance	Power Plant: Semi-Annual ROP Certification for July 1, 2023 through December 31, 2023, noting 1 deviation for failure to monitor daily equipment monitoring parameters as specified in the facility's MAP. This was due to staffing changes and did not affect engine 3 since it had not yet been installed.
04/01/2024	ROP Annual Cert	Compliance	Power Plant: 2023 Annual ROP Certification, noting 1 deviation for failure to monitor daily equipment monitoring parameters as specified in the facility's MAP. This was due to staffing changes and did not affect engine 3 since it had not yet been installed.
03/11/2024	Other Non ROP	Compliance	Notification of startup for EUICEENGINE3 on 12/20/23.
03/11/2024	ROP R215 Notification	Compliance	The new Responsible official is Raymond Ivers, President of Operations.
02/27/2024	Stack Test Observation	Compliance	Engine 3 testing
12/21/2023	Stack Test	Compliance	A stack test report was received for the Energy Developments Byron Center located at the South Kent Landfill. The test was conducted on November 1, 2023, pursuant to ROP No. MI-ROP-N1324-2018b and 40 CFR Part 60, Subpart JJJJ. For engines EUICEENGINE1 and EUICEENGINE2, NOx emissions were 1.60 & 1.97 lb/hr, which is below the 4.92 lb/hr limit, respectively. CO emissions were 14.38 & 13.14 lb/hr which is below the permitted limit of 16.23 lb/hr respectively. VOC emissions were 0.18 & 0.14 g/bhp-hr which is below the permitted limit of 1.0 g/bhp-hr respectively. Formaldehyde emissions were 1.94 & 1.84 lb/hr., which is below the permitted limit of 2.10 lb/hr respectively and SO2 emissions were 3.68 & 3.68 lb/hr which is below the permit limit of 5.55 lb/hr respectively. All results were within applicable limits.
12/05/2023	Odor Evaluation		Odor evaluations conducted for MMD in response to PEAS Incident 28772.

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08/30/2023	ROP Semi 1 Cert	Compliance	A deviation was reported for the late submittal of a deviation report for the late submittal of the January – June 2022 Semi-Annual ROP Certification.

Name:


David K. Sherry

Date:

7/24/2024

Supervisor:

