



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
MARQUETTE DISTRICT OFFICE



DANIEL EICHINGER
ACTING DIRECTOR

February 23, 2023

VIA EMAIL AND U.S. MAIL

David Lundquist
Delta Solid Waste Management Authority
5701 19th Ave N
Escanaba, Michigan 49829}

SRN: N6035, Delta County

Dear David Lundquist:

VIOLATION NOTICE

On December 13, 2022, the Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), conducted an inspection of Delta Solid Waste Management Authority located at 5701 19th Ave N, Escanaba, Michigan. The purpose of this inspection was to determine Delta Solid Waste Management Authority's compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the Air Pollution Control Rules; and the conditions of Renewable Operating Permit (ROP) number MI-ROP-N6035-2022.

During the inspection, staff observed the following:

Process Description	Rule/Permit Condition Violated	Comments
EUASBESTOS	40 CFR 61.154(b)(1); Special Condition (SC) III.1.b	Inadequate warning signs posted for asbestos waste.
EUASBESTOS	40 CFR 61.154(c); SC III.1.c	Asbestos waste deposited in the North landfill is not being covered at the end of each operating day.
EUASBESTOS	40 CFR 61.154(f); SC VI.2	Asbestos waste location map was not initially available for Cell 6 in the North landfill.
EUFURNACE1	R.336.1213(3); SC VI.2, 3	Records were not kept of all fuels combusted on an hourly basis and daily visible emission checks are not being performed.
FGLANDFILL-AAAA	40 CFR 63.1960(c)(4); SC V.3, VI.1.b 40 CFR 63.1961(f), 40 CFR 63.1981(h)(5); SC VII.4	Quarterly surface emissions monitoring surveys (SEMS) data is not being properly reviewed for methane exceedances, exceedances

		are not documented or reported, and corrective actions are not being taken and documented.
FGLANDFILL-AAAA	40 CFR 63.1958(d)(1); SC I.1	Since the corrective actions specified in SC V.3 did not occur for notable exceedances, the methane exceedances are considered a violation of the methane emission limit in SC I.1.

EUASBESTOS

During this inspection, adequate warning signs for asbestos were not present. There was only one warning sign at the entrance of the South Landfill and none along the perimeter or at the North Landfill. This is a violation of process/operational restriction(s) specified in SC III.1.b of ROP number MI-ROP-N6035-2022. The conditions of ROP number MI-ROP-N6035-2022 require warning signs be displayed at all entrances and at intervals of 100 m (330 ft) or less along the perimeter. It was also observed and discussed during the inspection that asbestos waste was not being covered at the end of each operating day. During the inspection, it was observed that asbestos waste was not covered, and landfill staff relayed that they do not cover the asbestos daily as to not disturb it. Since Delta Solid Waste Management Authority is not meeting the no visible emission requirement in SC III.1.a, asbestos waste is required to be covered daily as specified in SC III.1.c of MI-ROP-N6035-2022. Asbestos is currently disposed of at one location in Cell 6. The facility was able to provide maps for previous asbestos disposal locations. However, initially an asbestos map of Cell 6 was not available as required in SC VI.2 of MI-ROP-N6035-2022. The facility had a consultant create a map of the Cell 6 disposal area after the inspection.

EUFURNACE1

Delta Solid Waste Management Authority operates a 250,000 Btu/hr multi-oil furnace. During operation of the furnace, the facility is required to observe and record visible emissions from the furnace stack daily. Daily visible emissions checks are not being conducted or recorded. This is a violation of monitoring/recordkeeping requirements specified in SC VI.3 of MI-ROP-N6035-2022. Though Delta Solid Waste Management Authority is tracking oil usage by tank depth in inches, they are not monitoring and recording the gallons of all fuels combusted on an hourly basis as required in SC VI.2 in MI-ROP-N6035-2022.

FGLANDFILL-AAAA

Delta Solid Waste Management Authority is required to complete SEMS for methane as required in SC V.1-3. Landfill staff were initially unable to provide readings for the surveys, however, after working with the equipment's manufacturer, the data was provided. Upon review of the data, exceedances were present in two datasets. Examples of exceedances include a reading of 505.4 on September 10, 2021, at 45.76500917 N, -87.12762933 W and a reading of 507.2 on August 29, 2022, at 45.76356583 N, -87.129647 W. No records of exceedances have been reported as specified in SC VII.4 of MI-ROP-N6035-2022. Since these exceedances have not been documented, none of the corrective actions, including re-monitoring as required in SC V.3, has occurred. Since none of the corrective actions

required in SC V.3 have been taken, this is also a violation of SC I.1 which requires the collection system to be operated so that the methane concentration is less than 500 ppm above background at the surface of the landfill.

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by March 15, 2023 (which coincides with 21 calendar days from the date of this letter). The written response should include: the dates the violations occurred; an explanation of the causes and duration of the violations; whether the violations are ongoing; a summary of the actions that have been taken and are proposed to be taken to correct the violations and the dates by which these actions will take place; and what steps are being taken to prevent a reoccurrence.

Please submit the written response to EGLE, AQD, Marquette District, at 1504 West Washington Street, Marquette, Michigan 49855 and submit a copy to Jenine Camilleri, Enforcement Unit Supervisor at EGLE, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760.

If Delta Solid Waste Management Authority believes the above observations or statements are inaccurate or do not constitute violations of the applicable legal requirements cited, please provide appropriate factual information to explain your position.

Thank you for your attention to resolving the violations cited above and for the cooperation that was extended to me during my inspection of Delta Solid Waste Management Authority. If you have any questions regarding the violations or the actions necessary to bring this facility into compliance, please contact me at the number listed below.

Sincerely,



Lauren Luce
Environmental Quality Analyst
Air Quality Division
906-202-0943

cc: Annette Switzer, EGLE
Christopher Ethridge, EGLE
Brad Myott, EGLE
Jenine Camilleri, EGLE
Michael Conklin, EGLE