

The facility is a minor source of HAP emissions because the potential to emit of any single HAP regulated by the federal Clean Air Act, Section 112, is less than 10 tons per year and the potential to emit of all HAPs combined are less than 25 tons per year.

No emissions units at the facility are currently subject to the Prevention of Significant Deterioration regulations of Part 18, Prevention of Significant Deterioration of Air Quality of Act 451, because at the time of New Source Review permitting the potential to emit of carbon monoxide was less than 100 tons per year.

The facility is subject to the asbestos regulations found in 40 CFR 61.154, because the facility accepts asbestos containing waste

Compliance History

The facility received a violation notice in September 2020 for failure to submit semi-annual ROP certification reports in a timely manner. The violation was resolved quickly. The facility was last inspected in January 2020 and was found to be in compliance with all applicable air quality rules and federal regulations at that time.

Inspection

On March 8, 2022, I conducted an unannounced inspection of DSL. I arrived at the office building and met with Site Manager, Tim Harrow. It was explained to Mr. Harrow that the purpose of the inspection was to ensure compliance with MI-ROP-N6033-2020 and all other applicable air pollution control rules and federal regulations. Mr. Harrow provided an overview of the landfill, detailing maps, and providing the status of the current cells. Records were provided for the landfill and asbestos information. Mr. Harrow then provided a tour of the landfill.

EULANDFILL

DSL is required to conduct Tier 2 or Tier 3 testing for NMOC emissions. This testing is to be performed every five years. The source performs Tier 2 testing and conducted the most recent test on November 13, 2019. The 2019 Tier 2 testing established a site-specific NMOC concentration of 6.3 parts per million by volume (ppmv) as hexane, with an emission rate of 0.29 Mg/year. The projected annual NMOC emission rate was calculated as 0.29 Mg/year in the year 2025, assuming an annual average waste acceptance rate remains relatively constant. With DSL having an annual NMOC emission rate of less than 50 Mg/year, the source is not subject to the National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills promulgated in 40 CFR Part 63, Subparts A and AAAA, and is not required to install a landfill gas collection/control system.

As required under Special Condition VI.1, DSL keeps records of the design capacity for the facility. The total permitted capacity is 5,312,800 cubic yards. DSL is also required to monitor and record the amount of waste brought in on a year-by-year basis. For 2021, the facility received 60,431.45 tons.

The facility has submitted their annual NMOC emission report with their annual certification of compliance for MI-ROP-N6033-2020. For 2020, the NMOC emission rate from the landfill was 0.28Mg/yr.

EUASBESTOS

Upon entering the facility and during the tour, it was observed the perimeter of the landfill was completely fenced. Signs at the entrance state that the facility actively accepts asbestos material. During the tour of the landfill, asbestos warning signs were observed along the perimeter. Mr. Harrow provided an updated Asbestos Disposal Locations map that provides information on each asbestos shipment received with the point number, date, and elevation of where that shipment is deposited in the landfill. Before a shipment is received, a minimum 24-hour notice is provided that asbestos material will be incoming.

DSL keeps records of the name, address, and phone number of the waste generator and transporter for each shipment received on the *Waste Shipment Record/Asbestos Manifest* reports. The quantity of the asbestos-containing waste material is also recorded. A receipt is provided to the generator of the waste. Also provided on the record sheet, is the latitude, longitude, and elevation of the disposal site for asbestos material. There have been no records of request to disturb placed asbestos waste.

Miscellaneous

At the time of the inspection, no fugitive dust emissions were observed due to winter conditions. There are five cells (A,B,C,D,E) at DSL. A and B are inactive. DSL is currently operating in cell E. Cell B will be capped in the future. Construction of a new cell is currently out for bid.

DSL has a 300,000-gallon leachate storage tank for collected leachate prior to recirculation into the landfill or transported to a municipal wastewater treatment plant. The landfill also has 11 self-igniting flares on existing vents. Though the NSPS for landfills does not require DSL to utilize gas collection and flaring, DSL installed gas collection and flaring systems to aid in odor control. Both the leachate storage tank and the LFG flaring are considered exempt under Michigan Air Pollution Control Rule 336.1285(2)(aa).

Compliance

Based on this inspection, Dafter Sanitary Landfill is in compliance with MI-ROP-N6033-2020 and all other applicable regulations.

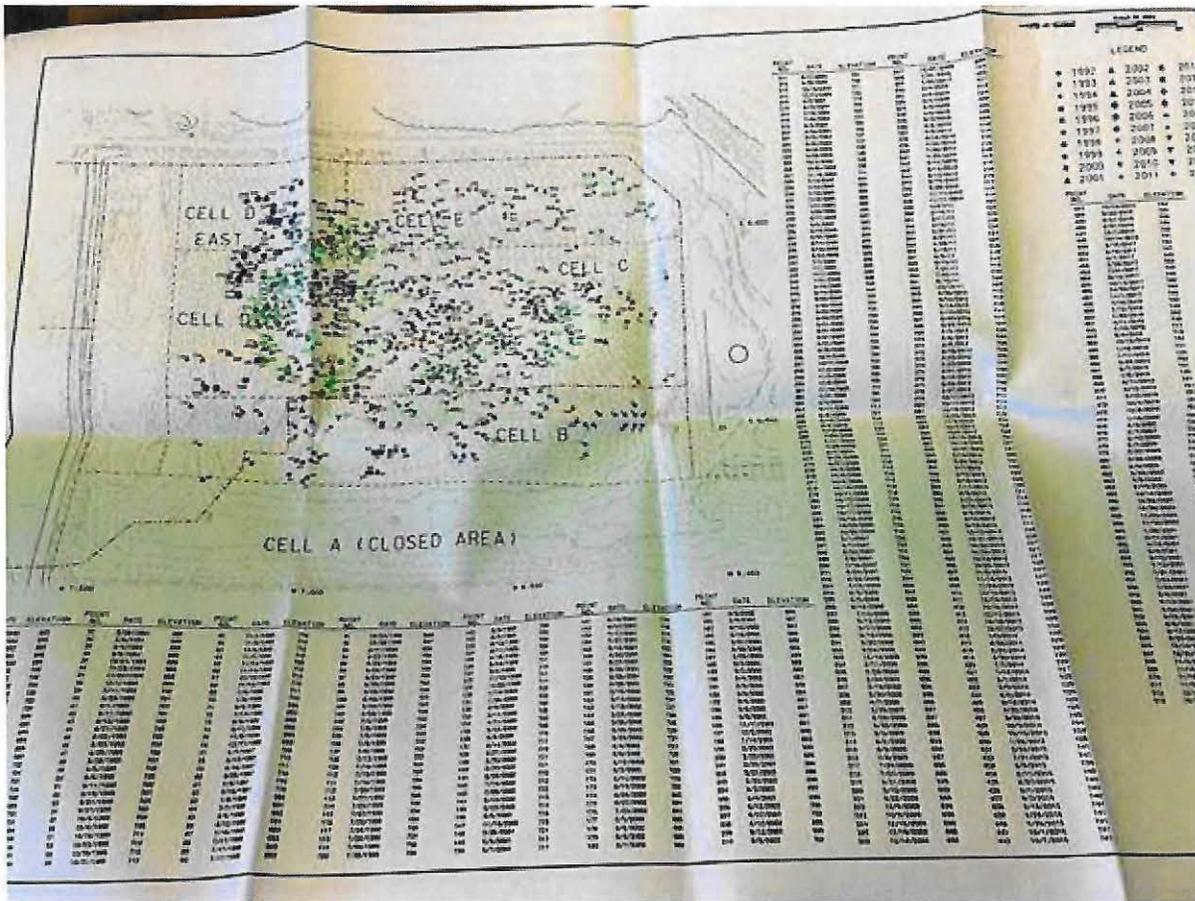


Image (1): Asbestos map information.

NAME Janice

DATE 3/28/22

SUPERVISOR EDL