

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N798335000

FACILITY: G & H LANDFILL	SRN / ID: N7983
LOCATION: 3160 23 MILE RD AND RYAN RD, SHELBY TWP	DISTRICT: Southeast Michigan
CITY: SHELBY TWP	COUNTY: MACOMB
CONTACT: David Jaeger , Plant Operator	ACTIVITY DATE: 06/07/2016
STAFF: Rebecca Loftus	COMPLIANCE STATUS: Compliance
	SOURCE CLASS: MINOR
SUBJECT:	
RESOLVED COMPLAINTS:	

On June 6, 2016, I, Rebecca Loftus, from the Department of Environmental Quality (DEQ), Air Quality Division (AQD), conducted an inspection of G & H Landfill, State Registration Number (SRN): N7983, located off 23 Mile Road, in Shelby Township, Michigan. The purpose of this inspection was to determine the facility's compliance with the Federal Clean Air Act, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act of 1994, PA 451, as amended, and Michigan's Air Pollution Control Rules.

Upon arriving at the facility, I met with Mr. David Jaeger, Plant Operator, from GHD Consulting. Below is a summary of my findings during my inspection and file review.

Contacts

David Jaeger, Plant Operator, from GHD Consulting, 734-453-5123, dave.jaeger@ghd.com
Kristi Zakrzewski, P.E., DEQ-RRD-Superfund, 517-284-5177, zakrzewskik@michigan.gov

Inspection

G & H Landfill is a closed industrial landfill and current Superfund Site with DEQ's Remediation and Redevelopment Division. In regards to air quality regulations, the capped landfill has a passive venting gas system, a biological waste water treatment plant (WWTP) for the landfill's leachate, and a diesel fueled emergency generator.

Upon arriving at the facility, I met with Mr. David Jaeger, Plant Operator. Mr Jaeger escorted me through the WWTP and explained the following:

Operations of the WWTP started in 1998. The landfill has barrier walls, located along the southeast side of the site, which allow collection of the ground water/leachate. The water is then brought to the WWTP for treatment at flow rates of approximately 205-215 gallons per min. Once at the WWTP, the biological process treats the water for organics and precipitates out metals. The water is held in three 250,000 gallon basins located behind the building; basin #1 is currently being used as primary treatment. From there the water is sent to a clarifier to drop out additional solids and then through sand/charcoal filters, before eventually discharging into the headwaters of the Holland Pond Wetland Park. The cake formed during the treatment process is classified as nonhazardous waste (with 30% iron content) and is taken off-site to Pine Tree Acres Landfill, in Lenox Township, for disposal.

The closed landfill with passive venting system and the leachate collection/handling equipment appear to be exempt from obtaining an AQD Permit to Install pursuant to Rule 285aa.

The WWTP also has a Detroit Diesel, 300 KW, emergency generator (see attached specification sheet) with a double walled 600 gallon diesel tank. Mr. Jaeger explained the generator automatically runs in test-mode for 45 minutes every Monday and is operated with

full load once every quarter. The hour meter on the generator had a total of 1970.1 hours.

Based on the provided information, the diesel generator appears to be exempt from obtaining an AQD Permit to Install pursuant to Rule 285(g). However, the generator is subject to the following federal regulation: 40 CFR, Part 63, Subpart ZZZZ, The National Emissions Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (Area Sources); specifically the maintenance requirements found in Table 2d (see attached summary). Although the AQD does not currently have delegated authority for this Area Source regulation, I noted that the maintenance records for the emergency generator are available on-site. Based on the maintenance records and my inspection observations, G & H Landfill appears to be in compliance with Subpart ZZZZ.

Additional Information

Historically, the AQD file contains information related to dust complaints. These complaints occurred during the time when final cover was being established on the landfill. Mr. Jaeger was concerned that the AQD might be receiving dust complaints due to the Oakland/Macomb sewer work occurring on-site. I explained that we had not received any recent complaints, but I would note the maintenance and repair work in case we received any related complaints in the near future.

Conclusion

Based on information gathered, at this time, G & H Landfill appears to be in compliance with the Federal Clean Air Act and Michigan's Air Pollution Control Rules.

NAME Rebecca J. [Signature] DATE 7/8/16 SUPERVISOR CJE