



GRANGER LAND DEVELOPMENT COMPANY, GRANGER GRAND RIVER LANDFILL, GRAND LEDGE, MICHIGAN FACT SHEET

This fact sheet is provided pursuant to Mich. Admin. Code Section R. 299.9511 - Public Participation Procedures.

**Granger Land Development Company
Granger Grand River Landfill
Closed Hazardous Waste Landfill Facility
Grand Ledge, Michigan
MID 082 771 700**

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EXECUTIVE SUMMARY

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Materials Management Division (MMD), proposes to issue a hazardous waste management facility postclosure operating license (Renewal) to Granger Land Development Company (Granger). This Renewal consists of continued postclosure monitoring and maintenance of the closed hazardous waste landfill, Granger Grand River Landfill (facility), located at 8550 West Grand River Highway in Grand Ledge, Michigan.

BASIS FOR PROPOSED HAZARDOUS WASTE MANAGEMENT FACILITY POSTCLOSURE OPERATING LICENSE

Based on the review of the Granger postclosure operating license renewal application, EGLE MMD staff have proposed that the license be renewed based on the following conclusions:

- The facility has been constructed and operated in accordance with approved plans and applicable rules. A [description of the site, facility design, and prior licensing](#) can be found on page 4 of this fact sheet.
- The facility does not, at this time, present a hazard to public health or the environment. This conclusion is based on environmental monitoring of groundwater and surface water conducted by Granger and audited by EGLE, and on compliance inspections conducted by EGLE staff.
- The renewal application proposes to simply continue operations previously authorized under the current license in compliance with Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and is protective of human health and the environment.
- The Granger facility is routinely inspected by EGLE staff. Granger has remained in substantial compliance with the provisions of Part 111 of NREPA since the hazardous waste management facility postclosure operating license was last renewed in 2012.

Although the MMD believes it has done a thorough job of reviewing the Granger postclosure operating license renewal application, MMD is seeking public input on the issuance of the Renewal. The [public participation process](#) is described on page 5 and 6 of this fact sheet.

STATE AND FEDERAL REGULATING PROGRAMS

Part 111 of the NREPA was passed by the Michigan Legislature to regulate the management of hazardous waste from generation to disposal. Likewise, Subtitle C of the Solid Waste Disposal Act, as amended, Title 42 of the United States Code, Section 6901 *et seq.* (commonly known as the Resource Conservation and Recovery Act of 1976 [RCRA]), was passed by the U.S. Congress to regulate hazardous waste nationwide. The RCRA was amended substantially by the Hazardous and Solid Waste Amendments of 1984 (HSWA).

Both the RCRA and Part 111 of the NREPA established a permit system governing the treatment, storage, and disposal of hazardous wastes. The RCRA allows the states to obtain authorization to issue a state hazardous waste license in lieu of a federal permit. Effective December 28, 1985, the state of Michigan amended its hazardous waste management administrative rules to be equivalent to those under RCRA and applied to the U.S. Environmental Protection Agency for authorization. In October 1986, Michigan was granted authorization to administer all portions of the RCRA program, except some provisions under HSWA.

FACILITY DESCRIPTION

The facility is a closed hazardous waste landfill that Granger operated until 1985. The landfill was certified closed in 1990 and has been in postclosure since then. Granger continues to conduct postclosure maintenance and monitoring of the landfill. The facility is located at 8550 West Grand River Avenue in Grand Ledge, Michigan and is bordered by Interstate-96 to the north and West Grand River Avenue to the south.

While in operation, Granger accepted wastes that became regulated as hazardous with the implementation of the above referenced state and federal regulations. This waste included both characteristic and listed hazardous waste as well as nonhazardous waste. The hazardous waste contained some volatile organic compounds (primarily solvents) and inorganic metals (lead, zinc, chromium, copper, and cadmium) from paint sludges or electroplating sludges.

FACILITY DESIGN AND REGULATORY STATUS

The closed hazardous waste landfill is currently being monitored and maintained under a hazardous waste management facility postclosure operating license (License) issued pursuant to Part 111. The License expired on January 25, 2022, and Granger submitted a postclosure operating license renewal application in December 2021, with revisions submitted on May 13, 2022, August 19, 2022, and December 6, 2022.

The landfill is 60-acres and consists of a natural clay liner with leachate collection along the north and east perimeter. A five-foot clay cap was placed over the waste to close the landfill in accordance with the regulatory requirements in effect at the time of closure.

FACILITY-SPECIFIC LICENSE CONDITIONS

1. Environmental Monitoring Programs.

a. Groundwater Monitoring

Detection monitoring is conducted in three different aquifers around the landfill cell and property boundary. Under this program, a groundwater monitoring system is used to detect whether there have been any new releases from the closed hazardous waste landfill based on sample analytical results and statistical analyses. If statistical analyses of results show an increase in a parameter, additional confirmation sampling and any needed corrective actions are performed.

Corrective action groundwater monitoring is conducted for the southwest corner volatile organic compound (VOC) plume and the northwest perimeter boron plume. Under these programs, a purge system is utilized in both locations and groundwater monitoring is used to demonstrate that the purge system is working as designed and that it is not migrating off-site. If the results show that the purge systems are not working as designed, additional sampling and any needed corrective actions are performed.

b. Surface Water Monitoring

Semiannual surface water monitoring is conducted in ditches along the west and north side of the property to determine if a statistically significant increase in any parameter

concentration may have occurred. If a parameter is detected, additional confirmation sampling and any needed corrective actions are performed.

c. Leachate Monitoring

Annual leachate chemical analysis is conducted for known contaminants within the landfill and to identify any potentially new contaminants to add to routine monitoring parameters. Quarterly leachate volumetric measurements are taken for leachate generation rates. Any organic parameter that is added to routine leachate monitoring is also added to the groundwater and surface water monitoring programs' parameters.

For further information, refer to the Environmental Monitoring Sampling and Analysis Plan, Attachment 4, to the Renewal.

2. Corrective Action Program

Corrective action is required at the facility for all releases of a contaminant from any waste management unit (WMU) at the facility, regardless of when the contaminant may have been placed in or released from the WMU. The process outlined in Part 111 of NREPA, and the environmental protection standards adopted in R 299.9629 from Part 201, Environmental Remediation, of NREPA are used to satisfy the corrective action obligations under the license. A total of 5 WMUs have been identified in the license renewal. Of those 5 WMUs, 2 have had no discernable releases, 1 is being addressed through the purge systems, and 2 may need corrective action upon closure of the Part 115 landfill cells. For further information refer to Corrective Action Information, Attachment 5, to the Renewal.

PUBLIC PARTICIPATION

PUBLIC COMMENT PROCEDURES

The purpose of public participation is to ensure that the interested public has knowledge of the EGLE proposed action and the opportunity to comment on that action. In addition, the process insures that EGLE has the opportunity to benefit from any information the public might have relevant to the proposed actions. Comments may be submitted in writing to the addressee listed in Subsection C, below, by September 26, 2023. A request for a public hearing must be provided in writing, and state the nature of the issues proposed to be raised at the public hearing by September 26, 2023, to the addressee listed in Subsection C. The public comment and public hearing procedures that will be followed are stated in Michigan Administrative Code Rule 299.9514 and R 299.9515 and in Title 40 of the Code of Federal Regulations, Section 124.11 and Section 124.12.

After the close of the 45-day public comment period, EGLE will decide whether to issue the Renewal. Written comments submitted during the public comment period and statements provided at the public hearing, if held, will be considered by the Director of the MMD in the formulation of the final decision. Responses to written comments and statements will be included in the record supporting EGLE final decision. The final decision made by EGLE will be communicated to the applicant, each person who submitted a written comment during the public comment period, and all persons on the facility mailing list.

LOCATIONS OF AVAILABLE INFORMATION

The draft Renewal is available for review online by going to www.michigan.gov/GrangerGrandRiverLandfill. It may also be reviewed in person (by appointment) at the following locations:

- EGLE, MMD, Constitution Hall, 525 W. Allegan Street, Lansing, Michigan; contact Vickie Terry at 517-284-6546; or TerryV2@Michigan.gov.
- Watertown Charter Township, 12803 South Wacousta Road, Grand Ledge, Michigan; contact 517-626-6593 ext. 207.

CONTACT INFORMATION:

Comments and requests regarding the draft Renewal should be addressed to:

Ms. Christine Matlock, Senior Environmental Engineer
Hazardous Waste Section
EGLE MMD
P.O. Box 30241
Lansing, Michigan 48909-7741

Written comments concerning the draft Renewal should include the name and address of the writer, a concise statement of the basis for the comments, and the supporting relevant facts upon which the comments are based. All further requests for information, including requests for copies of the draft Renewal and this Fact Sheet, should be made to Christine Matlock. Written comments must be postmarked no later than September 26, 2023.

Michigan's Environmental Justice Policy promotes the fair, non-discriminatory treatment and meaningful involvement of Michigan's residents regarding the development, implementation, and enforcement of environmental laws, regulations, and policies by this state. Fair, non-discriminatory treatment intends that no group of people, including racial, ethnic, or low-income populations, will bear a disproportionately greater burden resulting from environmental laws, regulations, policies, and decision-making. Meaningful involvement of residents ensures an appropriate opportunity to participate in decisions about a proposed activity that will affect their environment and/or health.

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations.