

FACT SHEET - Corrected

Proposed Issuance of a  
Hazardous Waste Management Facility Operating License Major Modification

Wayne Disposal, Inc., Site #2  
Hazardous Waste Landfill Facility  
Belleville, Michigan  
MID 048 090 633

June 14, 2018



Waste Management and Radiological Protection Division  
Michigan Department of Environmental Quality

## BASIS FOR PROPOSED HAZARDOUS WASTE MANAGEMENT FACILITY OPERATING LICENSE MAJOR MODIFICATION

The Department of Environmental Quality (DEQ), Waste Management and Radiological Protection Division (WMRPD), proposes to issue a hazardous waste management facility operating license major modification (Major Mod) to Wayne Disposal, Inc. (WDI), which consists of a revised design of the landfill liner to incorporate the use of geosynthetic clay liners into the hazardous waste landfill liner system for their facility in Belleville, Michigan. Section I of this Fact Sheet describes the state and federal programs established to regulate hazardous waste and to license hazardous waste treatment, storage, and disposal facilities.

Based on the review of the WDI Major Mod request, WMRPD staff have proposed that the Major Mod be issued based on the following conclusion:

- The facility has been constructed and operated in accordance with approved plans and applicable rules. Section II of this Fact Sheet describes the site, facility design, and prior licensing.
- The facility does not, at this time, present a hazard to public health or the environment. This conclusion is based on environmental monitoring of air and groundwater conducted by WDI and audited by the DEQ, and on compliance inspections conducted by DEQ staff.
- The proposed revisions to the design of the landfill liner system to incorporate the use of geosynthetic clay liners into the liner system has been demonstrated to be in compliance with the landfill liner standards pursuant to 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 WDI facility is routinely inspected and the DEQ maintains an on-site observer that reports directly to the DEQ Southeast Michigan Field Office. WDI has remained in substantial compliance with the provisions of Part 111 of NREPA since the hazardous waste management facility operating license (License) was last renewed in 2012. A limited number of violations have been identified during this period and these have been resolved, or are in the process of being resolved, to the satisfaction of the DEQ, in a timely manner.

Although the WMRPD believes it has done a thorough job of reviewing the WDI Major Mod request, the WMRPD is seeking public input on the issuance of the Major Mod. Section III of this Fact Sheet describes the public participation process.

## I. INTRODUCTION

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 United States 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 27, 1985, the State of Michigan amended its hazardous waste management administrative rules to be equivalent to those under RCRA and applied to the United States 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.

## II. DESCRIPTION OF THE FACILITY

### A. Site Description

WDI operates a hazardous waste landfill facility at 49350 North I-94 Service Drive in Belleville, Michigan. The facility is bounded by Willow Run Airport to the north and I-94 Service Drive to the south. The WDI Site #2 hazardous waste landfill facility consists of 120 acres divided into three master cells: MC-V, MC-VI, and MC-VII. MC-V and MC-VII have already been filled and closed and are currently in post-closure care.

### B. Facility Design and Prior Licensing

Currently, the hazardous waste landfill facility is operated under a Part 111 License that was issued on May 4, 2012. That License is scheduled to expire on May 4, 2022. The existing License authorizes a total landfill capacity (including closed cells) of 22.45 million cubic yards.

WDI operates a hazardous waste landfill for wastes that are generated at off-site facilities. The operating portion of the landfill, MC-VI, is divided into eight subcells (A, B, C, D, E, F, G, and H). WDI is currently filling in subcell G. All of the subcells have been designed and constructed in accordance with Part 111 of the NREPA to include a leachate collection system, a composite primary liner (80-mil synthetic liner and 5 feet of clay), a leak detection system, and a composite secondary liner (80-mil synthetic liner and certification of at

least 10 feet of 10-7 centimeters/second native or recompacted clay). The License also requires extensive groundwater, soil, and air monitoring on an ongoing basis.

Currently, incoming waste is unloaded from vehicles into a box within the boundary of MC-VI, where it is transported by dedicated vehicles to the location for final disposal.

### C. New Facility-Specific License Attachment

The following item is a facility-specific License attachment modification for the landfill:

- ~~1. Attachment 8, LIST OF ACCEPTABLE TYPES: The waste codes F020-F023, F026-F028, and K099 have been added.~~
1. Attachment 7: Engineering Plans: Proposed liner system has been incorporated into drawings.

## III. PUBLIC PARTICIPATION

### A. Public Comment Procedures

The purpose of public participation is to ensure that the interested public has knowledge of the DEQ proposed action and the opportunity to comment on that action. In addition, the process insures that the DEQ 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, between June 14, 2018, and August 13, 2018. A public hearing has been scheduled for this draft Major Mod on July 19, 2018, at 6:30 p.m. in the boardroom of the Van Buren Township Hall. 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 60-day public comment period, the DEQ will decide whether to issue the Major Mod. 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 WMRPD in the formulation of the final decision. Responses to written comments and statements will be included in the record supporting the DEQ final decision. The final Major Mod decision made by the DEQ will be communicated to the applicant, each person who submitted a written comment during the public comment period, persons providing statements at the public hearing, and all persons on the facility mailing list.

B. Locations of Available Information

The administrative record for the draft Major Mod is on file at the DEQ, WMRPD, Constitution Hall, 4th Floor South, 525 West Allegan Street, Lansing, Michigan 48933 (contact Ms. Christine Matlock, at 517-284-6577). In addition, copies of the draft Major Mod, this Fact Sheet, and the Major Mod request are available for review at the DEQ, Southeast Michigan District Office, WMRPD, located at 27700 Donald Court, Warren, Michigan 48092 (contact Mr. Michael Busse, at 586-753-3839), and at the Van Buren Charter Township Hall located at 46425 Tyler Road, Belleville, Michigan 48111 (contact Mr. Ron Akers at 734-699-8913).

C. Contact Person

Comments and requests regarding the proposed Major Mod should be addressed to:

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

Written comments concerning the proposed Major Mod 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 Major Mod and this Fact Sheet, should be made to Ms. Matlock. Written comments must be postmarked no later than August 13, 2018.