

## FACT SHEET

### 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

October 12, 2017



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 the addition of eight additional waste codes for disposal at the WDI hazardous waste landfill 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 (TSD) facilities.

Based on the review of the WDI Major Mod request, WMRPD staff has 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. If the Major Mod is issued, WDI will be required to include dioxins and furans in their soil monitoring program as a minor modification to their operating license prior to the acceptance of these waste types.
- The addition of the proposed waste codes FO20-FO23, FO26-FO28, and K099, which are wastes from various manufacturing processes that contain dioxins and furans. The management of these wastes in the WDI landfill in accordance with the operating license would not pose an un-acceptable risk to human health or the environment. Prior to placement in the landfill, these wastes must be in compliance with the associated land disposal restriction criteria, or in compliance with a DEQ approved variance from meeting those criteria.
- The WDI facility is routinely inspected and the MDEQ maintains an onsite observer that reports directly to the DEQ Southeast Michigan Field Office. WDI has remained in substantial compliance with the provisions of Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, since the license was last renewed in 2012. A limited number of violations have been identified during this period and these have been 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 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. RCRA was amended substantially by the Hazardous and Solid Waste Amendments of 1984 (HSWA).

Both RCRA and Part 111 established a permit system governing the TSD of hazardous wastes. 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 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.

## 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 is MC-VI, is divided into eight subcells (A, B, C, D, E, F, G, and H), they are currently filling in G. All of the subcells have been designed and constructed in accordance with Part 111 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 cm/sec 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.

### 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 October 12, 2017, and December 11, 2017. At this time, no hearing has been scheduled for this draft Major Modification; however, upon written request to the DEQ stating the nature of the issues proposed to be raised at a public hearing, a date for a hearing may be established and, if so, notification will be provided to the public of that date. The public comment and public hearing procedures that will be followed are stated in MAC R 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 sixty 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 Mr. Peter Quackenbush at 517-284-6568). 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:

Mr. Peter Quackenbush  
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 Mr. Quackenbush. Written comments must be postmarked no later than December 11, 2017.