



Materials Management Division  
 Hazardous Waste Facility Cumulative Impact Review

Date of Review: July 30, 2025

As part of licensure, the Materials Management Division (MMD), evaluates the cumulative impacts that the proposed hazardous waste operations, in the context of other existing impacts, industries, and community landmarks, may have on Belleville, Michigan. The cumulative impact review is based on all relevant available information and includes the following information regarding the Wayne Disposal, Inc. (WDI) facility in the context of its operations, and industry within the geographical area determined in the Environmental Justice (EJ) Analysis, completed on April 15, 2025. Based on the findings of the cumulative impact review, the MMD recommends that WDI implement mitigation measures at its facility to protect human health and the environment.

Completed	Task	Comment(s)	MMD Recommendation(s) to the Facility
<input type="checkbox"/>	An EJ analysis completed by the facility.	The facility was not required to submit an EJ analysis at this time in the program.	N/A
<input checked="" type="checkbox"/>	An EJ analysis completed by the MMD.	<ul style="list-style-type: none"> <li>The EJ analysis was conducted by the MMD Permitting Compliance Analyst (PCA). The community within a three-mile buffer distance from the facility was found to be an EJ area.</li> <li>Existing significant environmental burdens in this area consist of traffic proximity and volume, proximity to hazardous and solid waste facilities, impaired water bodies, and wastewater discharge.</li> <li>Existing sensitive populations and significant socioeconomic factors include those with asthma, low birth weight in infants, life expectancy, minority population, and less than high school education.</li> <li>A Limited English Proficiency (LEP) screen was completed using the same geographical area to identify individuals who experience a language barrier to effectively participate in the license renewal process.</li> </ul>	<p>Implement frequent communication with the community.</p> <p>Continue the ambient monitoring program to detect and respond to any emerging pollution concerns.</p> <p>Continue monitoring leachate effluent to ensure the effluent meets permit discharge concentrations.</p>

Completed	Task	Comment(s)	MMD Recommendation(s) to the Facility
<input type="checkbox"/>	Environmental Assessment form submitted by the facility during the license application process.	<ul style="list-style-type: none"> <li>• WDI's Application included the Environmental Assessment Template.</li> <li>• The MMD District Inspector reviews USEDS' compliance with air emission regulations (Subparts AA, BB and CC of the Resource Conservation and Recovery Act Organic Air Emission Standards 40 CFR 264 and 265) by reviewing types of wastes accepted at the facility.</li> <li>• The South Huron Valley Utility Authority reviews wastewater monitoring data to ensure WDI is meeting their wastewater permit limits.</li> <li>• Water Resource Division WDI's compliance with their National Pollutant Discharge Elimination System permit, which allows the facility to discharge effluent into the Quirk Drain.</li> <li>• The project Environmental Quality Analyst and Air Quality Division review air emission data to verify compliance with the Clean Air Act.</li> <li>• Application revisions were required to include discussion on reasonably foreseeable releases from both operations and accidents at the hazardous waste units, including transportation to and from the unit, potential human exposures, and potential magnitude and nature of human exposure. Revisions were also required to provide a failure mode assessment, including an analysis of the major methods by which safe handling of hazardous wastes may fail, such as transportation, accidents, spills, and fires, and how the occurrence and impacts of those failures can be minimized.</li> </ul>	No recommendations were made.
<input checked="" type="checkbox"/>	Activities that are taking place on site, including whether the facility is used for landfilling, treatment, or storage.	<ul style="list-style-type: none"> <li>• WDI is currently authorized to dispose of hazardous waste in their landfill.</li> <li>• New operations proposed in the application include storing hazardous waste in containers and expanding their landfill vertically.</li> </ul>	Continue authorized operations.

Completed	Task	Comment(s)	MMD Recommendation(s) to the Facility
☒	Relative size and capacity of the treatment, storage, or disposal facility as compared to other facilities offering the same services in Michigan.	<ul style="list-style-type: none"> <li>• WDI is currently authorized to dispose of a maximum of 22.45 million cubic yards in the landfill.</li> <li>• WDI is proposing to store a maximum of 2,146 cubic yards of hazardous waste in containers.</li> <li>• WDI is proposing to expand their disposal operations to a total of 27.62 million cubic yards.</li> <li>• WDI has decided to withdraw their proposal to treat hazardous waste.</li> <li>• The WDI hazardous waste landfill is the only one of its kind in the state of Michigan.</li> </ul>	No recommendations were made.
Completed	Task	Comment(s)	MMD Recommendation(s) to the Facility
☒	Types of wastes managed at the facility and how the wastes are being managed to protect the public health and welfare.	<ul style="list-style-type: none"> <li>• WDI accepts hazardous waste for disposal in the active landfill cells.</li> <li>• The facility authorized to accept a variety of hazardous waste, PCBs, and TENORM for disposal. WDI is not authorized to receive low-level radioactive waste (LLRW).</li> <li>• WDI is proposing to store waste in designated areas. All waste WDI accepts would be in bulk (roll-off boxes) or containers such as drums.</li> <li>• All incoming waste is required to undergo lab analysis and technical review before acceptance to ensure the facility can properly manage, store, and dispose incoming waste. The lab analysis must match the waste profile provided by the generator or the facility must reject the waste.</li> <li>• Leachate from the landfill is required to meet certain treatment standards that are protective of public health and environment prior to being discharged to South Huron Valley Utility Authority.</li> </ul>	Follow waste screening protocols, adhere to established rejection procedures, and ensure safe handling practices. Continue leachate testing to verify that discharge to the South Huron Valley Utility Authority remains protective of public health and the environment.

**Distance of the facility to vulnerable lands:** schools, hospitals, places of worship, parks, prisons, public housing, subsidized housing (Figure 1).

Note: Distances are approximate. Addresses are listed where information was available on [Environmental Justice Screening and Mapping Tool \(Version 2.3\)](#) hosted by the [Public Environmental Data Partners](#).

**Schools:**

- McBride Middle School 0.88 mi
- Rawsonville Elementary School 1.55 mi
- Belleville High School 1.84 mi
- Edgemont Elementary School 2.55 mi

**Hospitals:** There are no hospitals in this area.

**Places of Worship:**

- Christian Life Center Church 1.59 mi
- New Covenant Missionary Baptist Church 2.29 mi
- Graceway Baptist Church 2.34 mi
- Burning Bush Church of God 2.57 mi
- Cornerstone Ministries 2.70 mi
- Berean Baptist Church 2.72 mi
- Community Freewill Baptist Church 2.76 mi
- West Willow Church of God 2.78 mi

**Parks:**

- Harbour Club Golf Course 0.30 mi
- Van Buren Park 0.46 mi
- Little League Fields 0.79 mi
- Wayne County Fairgrounds 1.23 mi
- Unnamed Park (DNR) 1.28 mi
- Quirk Park 1.35 mi
- Pine Creek Golf Club 1.57 mi
- Horizon Park 1.62 mi
- North Hydro Park 1.73 mi
- Heritage Oaks Nature Preserve 1.95 mi
- Lake in the Woods Golf Course 2.03 mi
- Victory Park 2.06 mi
- South Hydro Park 2.08 mi
- Village Park 2.37 mi
- Lakeside Park 2.37 mi
- Lakeview Park 2.50 mi
- Sugarbrook Park 2.55 mi
- Appleridge Park 2.56 mi
- Westwillow Park 2.58 mi
- Canton Sport Center 2.60 mi
- Bud and Blossom Park 2.78 mi
- Ford Lake Park 2.83 mi
- Unnamed Park 2.85 mi
- Detroit-Greenfield KOA 2.86 mi
- Green Oaks Golf Course 2.86 mi
- Loon Feather Point Park 2.86 mi
- Community Center Park 2.89 mi
- Nancy Park 2.95 mi
- Harris Park 2.96 mi

**Prisons:** There are no prisons in this area.

**Public Housing:** There is no public housing in this area.

**Subsidized Housing:**

- Columbia Court 1.89 mi
- Belleville Cooperative Apartments 2.34 mi

**Other hazardous waste facilities**, including a description regarding whether the hazardous waste facility is a commercial or non-commercial facility, whether it is a storage, treatment, and/or disposal facility (TSDF), and the licensed storage, treatment, and/or disposal capacity of the facility.

(Figure 2). Note: Distances are approximate. Information was gathered from the [EGLE Michigan Materials Management Facilities Web Map](#) and the [EGLE Waste Data System](#).

- **Michigan Disposal Waste Treatment Plant – 0.08 mi**
  - Commercial hazardous waste storage and treatment facility.
  - Licensed to store 166,595 gallons of hazardous waste and 900 cubic yards of solid hazardous waste. The facility's license renewal application has proposed an increase in storage capacity to 522,262 gallons of hazardous waste and 4,440 cubic yards of solid hazardous waste.
  - Licensed to treat up to 576,000 gallons of hazardous waste per day. The facility's license renewal application has proposed a capacity of up to 780,124 gallons per day.
  - WDS: 392708
  - Site ID: MID000724831
  
- **Powertrain Product Support Center (General Motors Corporation) – 2.68 mi**
  - Closed hazardous waste treatment, storage, and disposal facility.
  - Subject to corrective action.
  - Active very small quantity hazardous waste generator.
  - WDS: 393427
  - Site ID: MID005356795
  
- **U of M Beck Road Facility (University of Michigan) – 2.48 mi**
  - Non-commercial hazardous waste storage facility.
  - Active large quantity hazardous waste generator.
  - The facility is licensed to store no more than 13,200 gallons of hazardous waste in designated container storage areas.
  - WDS: 409472
  - Site ID: MIR000001834
  
- **Willow Run Arsenal of Democracy Landholdings – 2.90 mi**
  - Active small quantity hazardous waste generator.
  - Closed hazardous waste storage facility.
  - WDS: 399048
  - Site ID: MID980587893

**Other major industrial facilities in the area**

(Figure 2). Note: Distances are approximate. Information was gathered from the [EGLE Michigan Materials Management Facilities Web Map](#).

- **Solid Waste Processing and Transfer Facilities**
  - Michigan Disposal Waste Treatment Plant – 0.08 mi. WDS: 392708

Completed	Task	Comment(s)	MMD Recommendation(s) to the Facility
☒	The level and type of hazardous waste transporter traffic, including estimated trucks per day and whether rail transport will be used.	<ul style="list-style-type: none"> <li>All vehicles WDI through the main entrance located at 49350 N. Interstate-94 Service Drive. Vehicles must use Rawsonville Road to enter and exit the facility from the Service Drive.</li> <li>WDI communicates traffic restrictions to all truck haulers and has posted signs at the exit of the facility.</li> </ul>	Continue the established truck routes to avoid residential areas.
☒	Other environmental permits, requirements, or obligations and the facility's compliance status.	<ul style="list-style-type: none"> <li>WDI is permitted to dispose of PCB waste through their Toxic Substance Control Act (TSCA) approval issued by the U.S. EPA.</li> <li>South Huron Valley Utility Authority Class D Wastewater Discharge Permit, No. D-11201.</li> <li>Authorization to discharge under the National Pollutant Discharge Elimination System, Permit No. MI0056413</li> <li>Renewable Operating Permit and Permit to Install (Air Quality Division), No. MI-ROP-M4782-2010a.</li> <li>WDI is in compliance with the Part 111 hazardous waste regulatory program as of July 30, 2025.</li> </ul>	Continue monitoring wastewater discharge, leachate effluent, and air monitoring to ensure no releases occur.
☒	Suggestions for the facility to mitigate identified cumulative impacts.		Continue authorized operations and monitoring programs.

Prepared by:  
Elizabeth Cazallis  
Environmental Quality Analyst  
Permitting & Program Support Unit  
Hazardous Waste Section  
Materials Management Division  
Michigan Department of Environment, Great Lakes, and Energy  
[CazallisE@Michigan.gov](mailto:CazallisE@Michigan.gov)

Figure 1. Vulnerable Lands

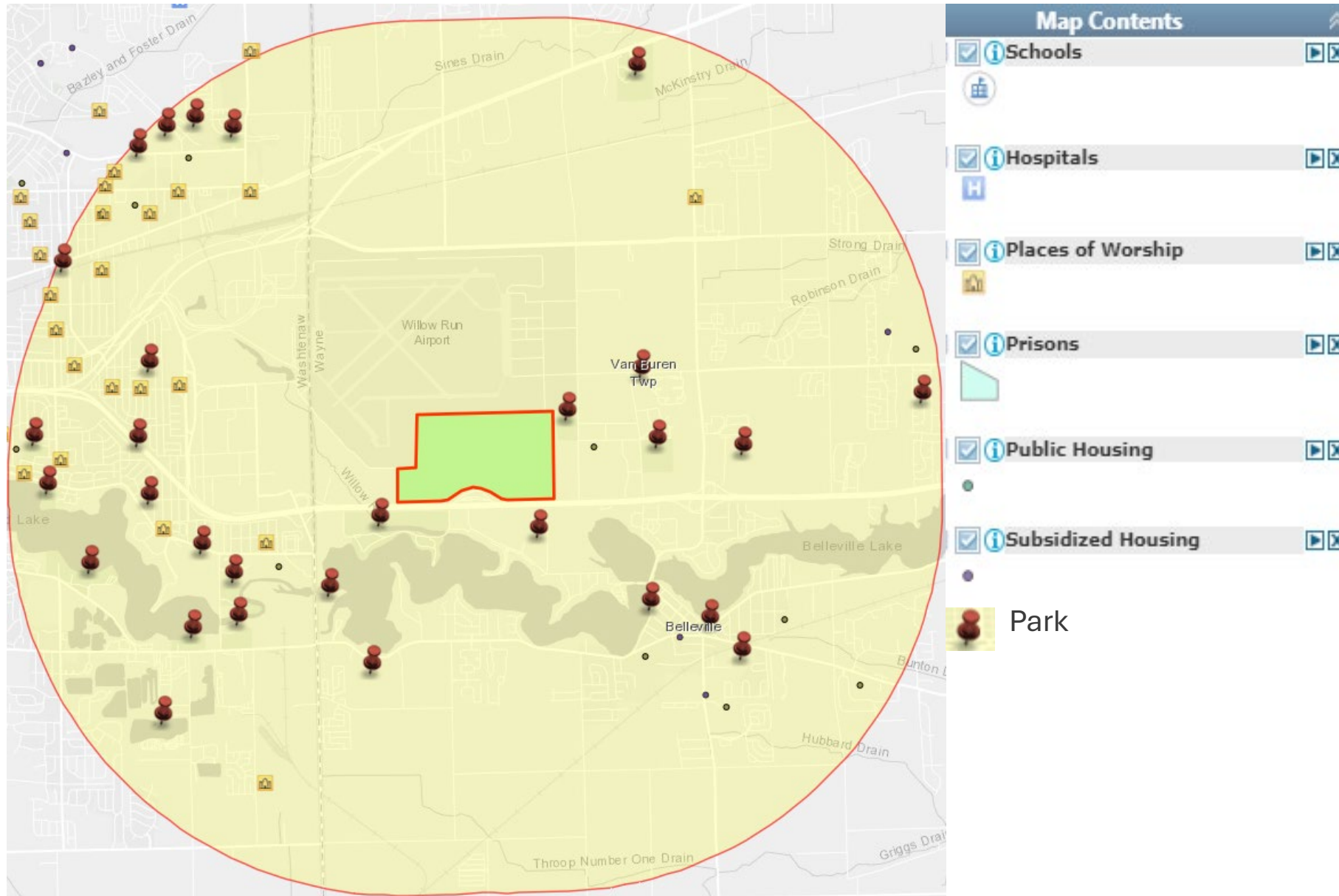


Figure 2. Hazardous Waste and Major Industrial Facilities

