



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Public Information Meeting:

Michigan Disposal Waste Treatment Plant

Hazardous Waste License Renewal Application

Welcome

Meeting will Begin Soon!

Host

Jim Ostrowski
Environmental Support Division
Training and Outreach Manager
Lansing Headquarters

Housekeeping



All lines are muted during the meeting.



You can submit your questions using the “Q/A” box at the bottom of your screen.



Click the “hand” icon at the bottom of your screen.



We are recording this meeting.

Moderator

Kimberly Tyson
Materials Management Division
Permit & Corrective Action Manager
Lansing Headquarters

Presenter

Christine Matlock
Materials Management Division
Senior Environmental Engineer
Lansing Headquarters



Panelists

Al Taylor

Materials Management Division
Hazardous Waste Section Manager
Lansing Headquarters

Joe Rogers

Materials Management Division
Geologist Specialist
Lansing Headquarters

Panelists

Shaun Shields
Materials Management Division
Environmental Quality Analyst
Lansing Headquarters

Jim Ferritto
Materials Management Division
Waste Characterization Specialist
Cadillac District Office

Panelists

Mike Busse
Materials Management Division
Hazardous Waste Inspector
Warren District Office

Nazaret Sandoval
Air Quality Division
Environmental Engineer
Detroit District Office

Agenda

6:00 PM – 6:30 PM: Informational Session

- EGLE Licensing Process
- MDWTP Application Review
 - Overview Current Operations
 - Proposed Changes
 - Environmental Monitoring

6:30 PM – 7:30 PM: Informal Question & Answer

EGLE Licensing Process

Company submits Application

EGLE reviews Application

EGLE informs the public of Application and its review process

EGLE makes initial decision on Application

EGLE seek public input on initial decision

EGLE makes final decision on Application

Michigan Disposal Waste Treatment Plant

Location: 49350 North I-94 Service Drive, Belleville, Michigan

4.82 acres

Adjacent to Wayne Disposal, Inc. Landfill

Current operating license

- Issued: October 31, 2007
- Expired: October 31, 2017



MDWTP Review Process

Renewal Application Submitted

- Must re-apply before license expires
- Michigan Disposal submitted application on October 31, 2016

Administrative Completeness Review

- To confirm all the requirements of the application are included
- Completeness Notice of Deficiency – August 28, 2017 and October 30, 2018

Administrative Completeness Public Information Meeting

- Give the community an opportunity to ask questions and learn about Michigan Disposal's site operations and their proposed changes

Existing Site Operations

Stores and treats hazardous and non-hazardous waste

- Characteristic (ignitable, toxic, corrosive, and/or reactive) & Listed
- Incompatible wastes are separated within licensed storage areas.

Hazardous Waste Storage

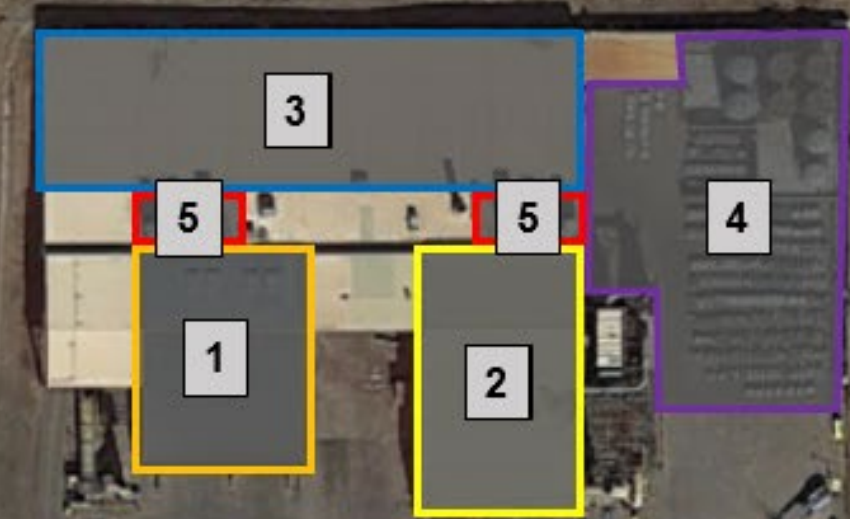
- Containers
- Tanks

Hazardous Waste Treatment

- Tanks
- Methods of treatment
- Primary Method: Stabilization



MDWTP Operations Footprint



- 1 – West Treatment Building
- 2 – East Treatment Building
- 3 – North Container Storage Area
- 4 – East Container Storage Area
- 5 – Tank Farms
- 6 – Southeast Container Storage Area (Existing)
- 7 – Southeast Container Storage Area (Proposed Expansion)

North I-94 Service Drive

West and East Treatment Buildings (1&2)

Treatment and Storage

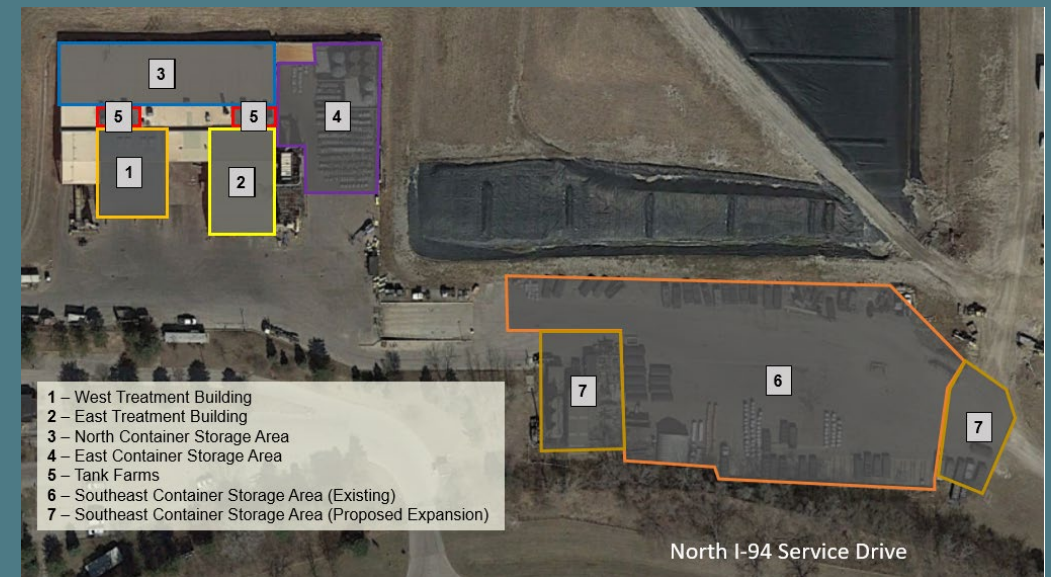
- 8 rectangular steel tanks constructed within a concrete vault

Storage

- Containers

Emission controls

- Under negative pressure
- Baghouse to capture particulates
- Thermal oxidation unit



North Container Storage Area (3)

Unit enclosed under roof

Treated Concrete floors and trenches

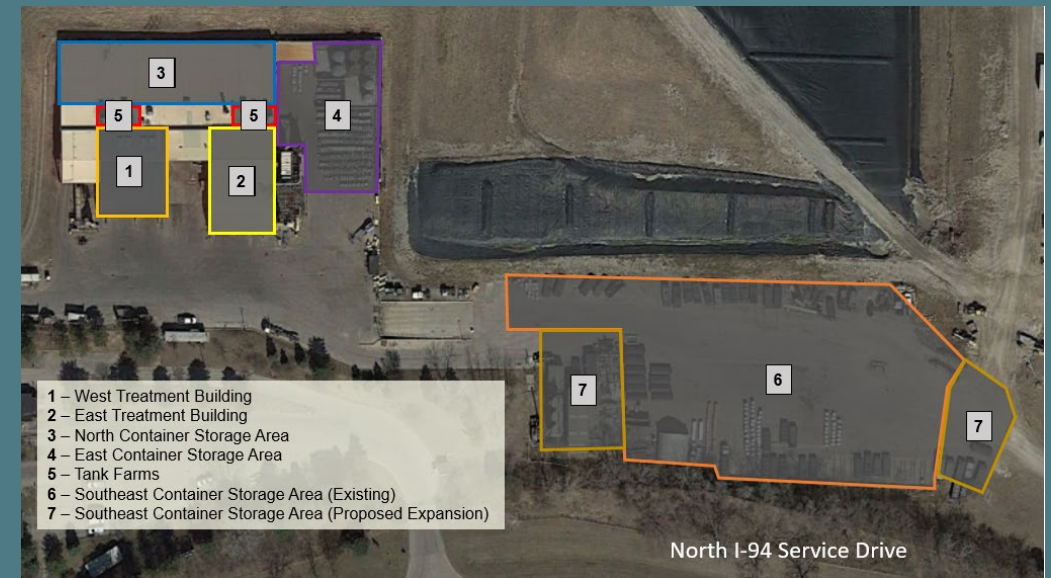
Storage of Treated Waste

- Containers must be covered
- No manipulation of waste during storage

Waste Bulking or Consolidation

- Follow waste analysis plan

Storage of ignitable or reactive waste for transshipment



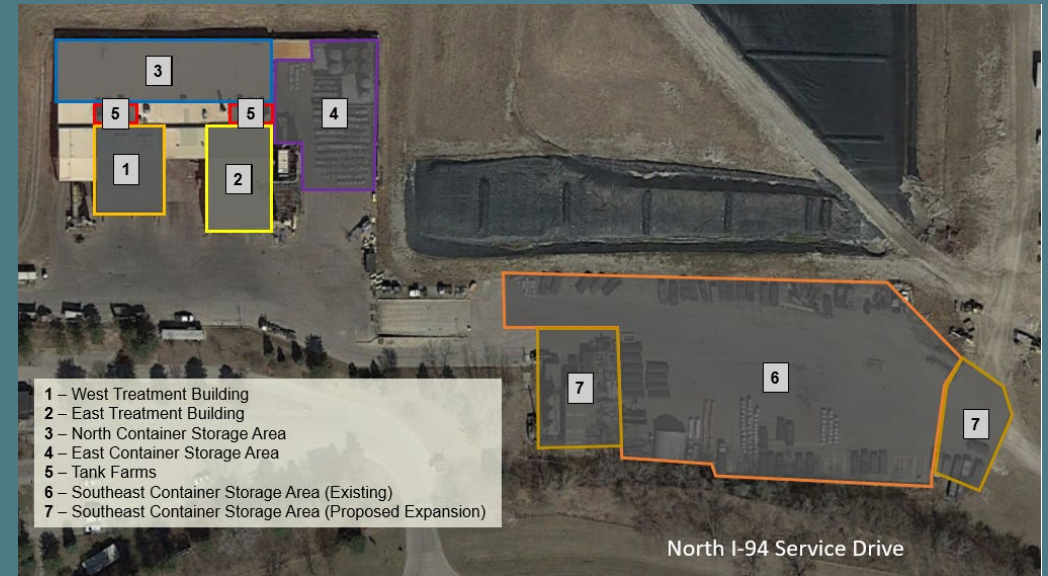
East Container Storage Area (4)

Located outside

Tank Farm

Containers

- Separate section for reactive waste
- Concrete floors with secondary containment
- Curbing and sloped floors to isolated sumps to prevent spills



Southeast Container Storage Area (6 & 7)

Holds container storage

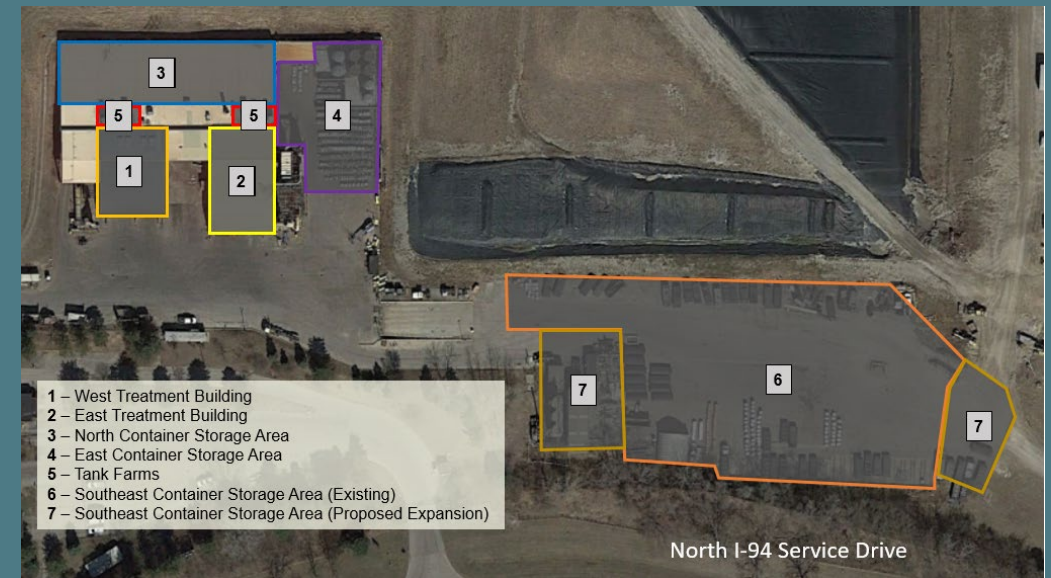
- Roll-off boxes
- Drums

Odors:

- Containers must remain covered while in this area and during transport to other areas

Liquid and/or solid hazardous waste

- Placed on concrete slope to secondary containment

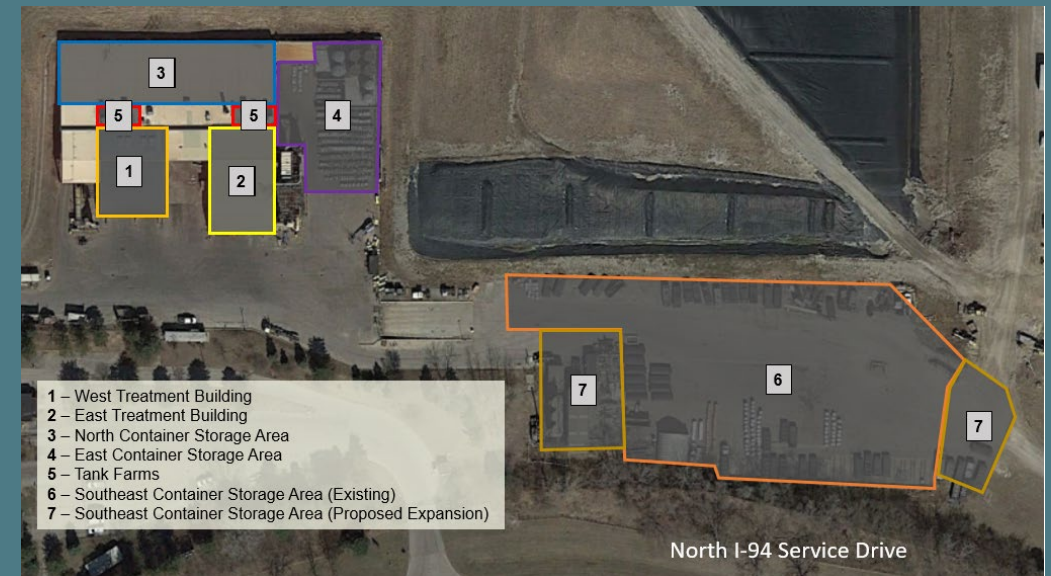


Silo (5)

Tank Storage

- 6 vertical steel tanks
- Solid waste or reagents

No proposed changes to storage capacity



Environmental Monitoring

Groundwater Monitoring

- Detection Monitoring Program
- Conducted quarterly
- Sample for contaminants such as PCBs, volatile organic compounds, metals, and inorganics

Ambient Air Monitoring

- 7 – Air Monitoring Stations
- Sample for volatile organic compounds, PCBs, and metals

Proposed Changes

Proposed Increases in Container Storage

North Container Storage Area (3)

- 82,500 gallons to 177,320 gallon

East Container Storage Area Capacity (4)

- 33,000 gallons to 104,702 gallons

Southeast Container Storage Area (6 & 7)

- Expand physical footprint
- 80,795 gallons of liquid to 240, 240 gallons
- 900 cubic yards of solid to 4,440 cubic yards of solid

Proposed Changes

Treatment Capacity

- 576,000 gallons per day to 780,124 gallons per day

Additional Waste Types

- Reactive sulfide
- Hazardous waste containing dioxins (below land disposal restriction levels)

Next Steps

Technical Review

Technical Adequacy Public Informational Meeting

- Provide community with further opportunity to ask questions and learn about the application, EGLE's review process, and factors considered in the determination

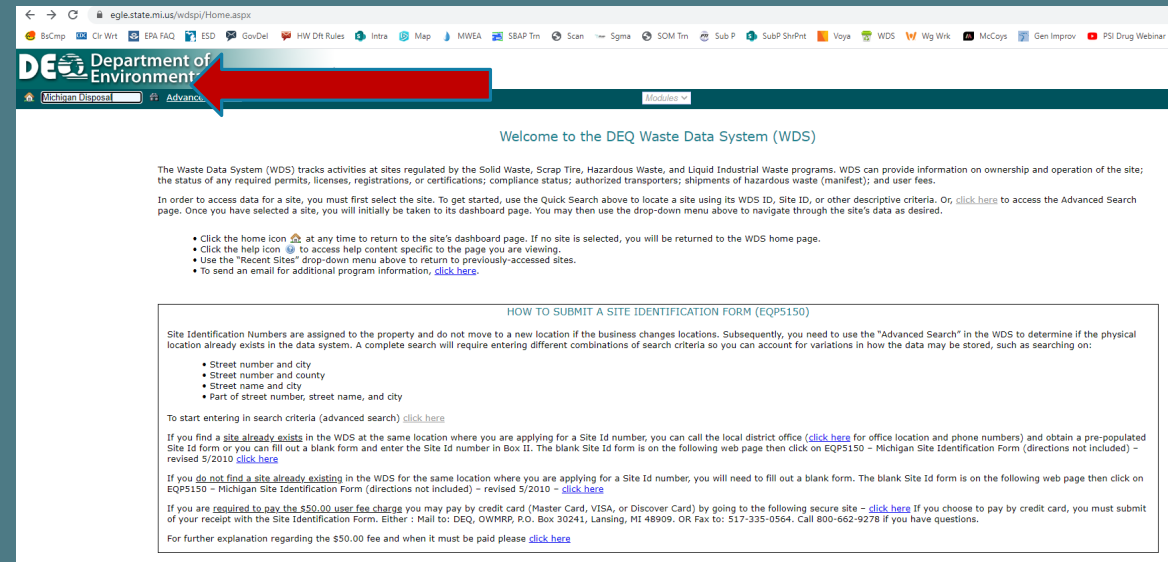
How Do We Assess Compliance?

Routine inspections

Review required submittals

Review environmental monitoring data

Respond to complaints



For more information, go to <https://www.egle.state.mi.us/wdsp> and search for Michigan Disposal and hit enter

How Do We Address Violations?

Progressive enforcement strategy

Informal - Used for minor or quickly corrected violations

- Compliance Communications, Violation Notices - requires corrective action, no penalty

Formal – Used for significant violations or violations that require a longer-term corrective action

- Administrative Consent Orders – enforceable schedule for corrective action, includes a monetary penalty

Recent MMD compliance actions

March 2020 – Entered Administrative Consent Order – Failure to submit renewal application on time for Solid Waste license; resolved

May 2019 – Violation Notice – Failure to submit monitoring data as required; resolved

September 2018 – Compliance Communication – Inspection violation, used light bulbs improperly labeled; resolved

February 2018 – Violation Notice – Failure to prevent unanticipated fire in treatment tank; resolution pending

Staying Connected

Facility Mailing List

- Email: Subscribe online through Michigan.gov/EGLEConnect
- USPS Mail: Contact Ms. Vickie Terry at TerryV2@Michigan.gov or 517-284-6546

Questions: Ms. Christine Matlock at MatlockC2@Michigan.gov or 517-290-4612

Resources

Want to see the application?

- Michigan.gov/USEcologyMDWTP
- In Person:
 - Lansing - Contact Ms. Vickie Terry at TerryV2@Michigan.gov or 517-284-6546
 - Warren District Office – Contact Ms. Jennifer Block at BlockJ4@Michigan.gov or 586-753-3833

Questions?

Panel

Christine Matlock – Senior Licensing Engineer

Al Taylor – Hazardous Waste Section Manager

Kimberly Tyson – Permit and Corrective Action Unit Manager

Joe Rogers – Geologist Specialist

Jim Ferritto – Waste Characterization Specialist

Shaun Shields – Environmental Quality Analyst

Michael Busse – Hazardous Waste Inspector

Nazaret Sandoval – Air Pollution Inspector

December 7, 2020



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ENVIRONMENT, GREAT LAKES, AND ENERGY

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