



Welcome

DLD Environmental Services, Inc.
Hazardous Waste Management Facility
License Renewal and Expansion Application

The Meeting will Begin Shortly

Webinar Housekeeping



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Purpose of this Meeting

- Provide an overview of the facility's hazardous waste operations
- Outline the hazardous waste operating license renewal and expansion process
- Offer an opportunity to bring questions to a EGLE panel

Introductions

Materials Management Division Staff:

- Rich Conforti, Engineering and Program Support Unit Manager, ConfortiR@Michigan.gov
- Jeremy Pepin, Environmental Engineer, PepinJ2@Michigan.gov
- Marc Messina, Geologist, MessinaM@Michigan.gov
- Shaun Shields, Environmental Quality Specialist, ShieldsS5@Michigan.gov
- Krista Hettich, Compliance Inspector, HettichK@Michigan.gov
- Wade O'Boyle, Compliance Inspector, OboyleW@Michigan.gov

Agenda

- Regulatory Authority
- Facility Description
- License Requirements
- Renewal and Expansion Application Process
- Compliance Summary
- Question and Answer Session

Regulatory Authority

Source of Authority:

- Authorized program, federal delegation – Ensure the protection of human health and the environment
- Part 111, Hazardous Waste Management, Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and its rules

Cradle-to-Grave Regulation:

- Generators
- Transporters
- Treatment, Storage, and Disposal Facilities (TSDFs)

Facility Description

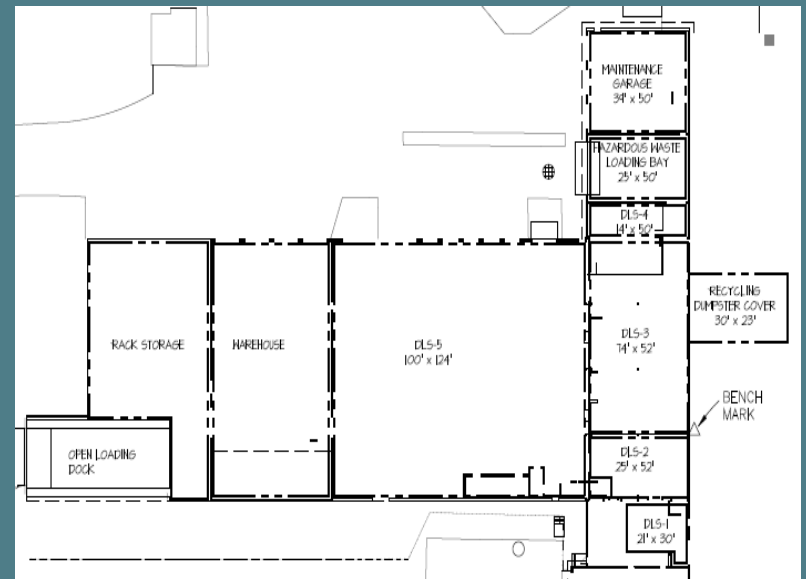
- The facility is located at 331 Broad Street, Plainwell
- Bordered by East Bridge Street to the South and Acorn Street to the East
- Licensed to store hazardous waste in containers and tanks and treat/process the waste in containers and miscellaneous units



Facility Description

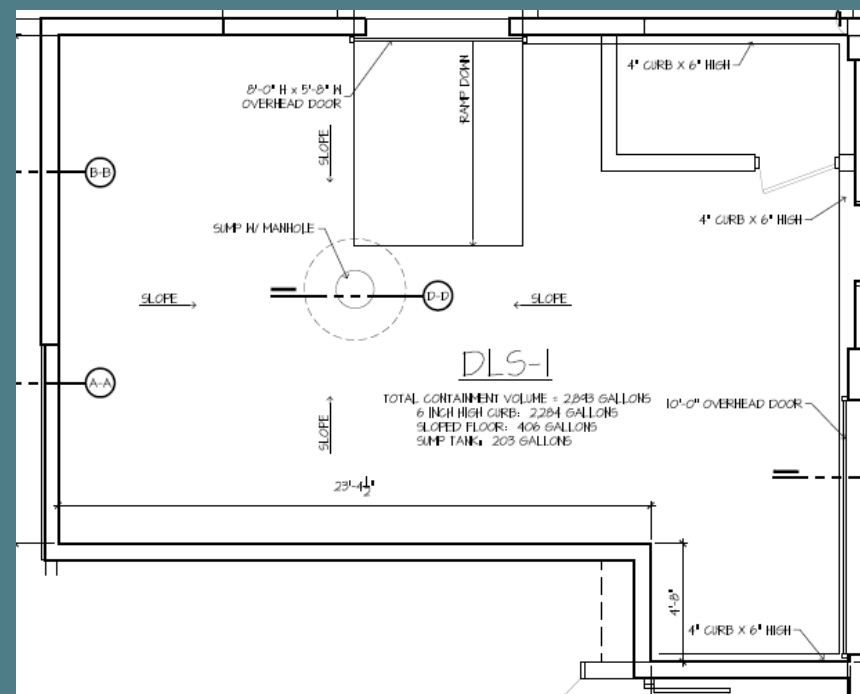
Licensed hazardous waste areas:

- DLS-1, DLS-2, and DLS-5: processing and container storage
- DLS-3: processing and both tank and container storage
- DLS-4: tank storage
- Hazardous Waste Loading Bay (HWLB): processing and storage



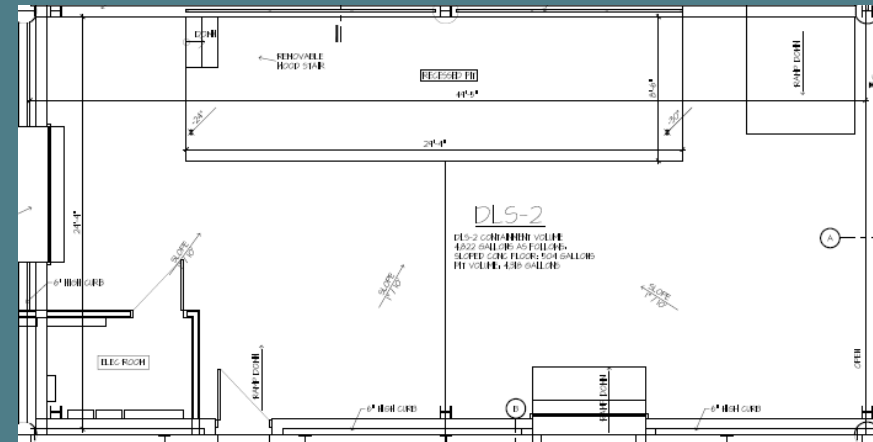
DLS – 1

- Used for PCB waste storage, elemental mercury storage, processing of infectious materials, storage of radioactive materials/mixed wastes, and pre-processing temperature adjustments
- Authorized to store up to 2,860 gallons of hazardous waste in containers
- Authorized to use fume hoods and filter presses during treatment in this area



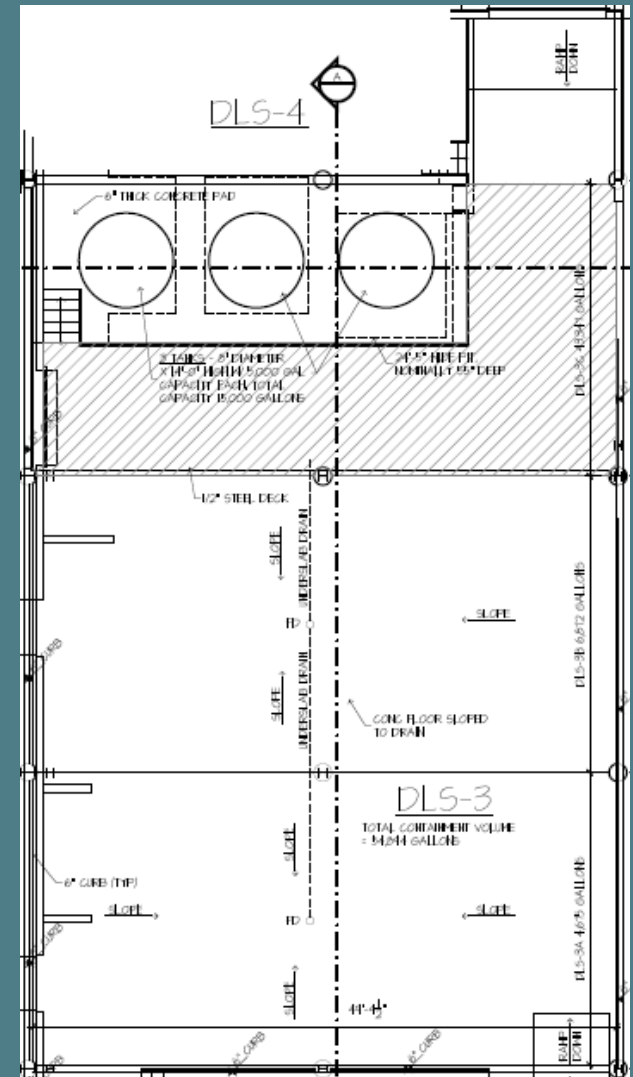
DLS – 2

- Mainly used as a processing area
- Authorized to store up to 3,300 gallons of hazardous waste in containers
- Authorized to use shredders, fume hoods, hammer mills, filter presses, aerosol recovery/recycling methods, solidification methods, and stabilization methods during treatment in this area



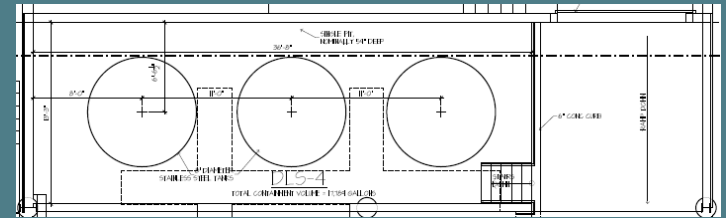
DLS – 3

- Used for both treatment and storage
- Authorized to store up to 27,500 gallons in containers and up to 15,000 gallons in 3 tanks
- Authorized to use fume hoods, inorganic fume hoods, organic fume hoods, shredders, filter presses, distillation methods, neutralization/precipitation methods, metals reclamation methods, aerosol recovery/ recycling methods, conversion methods, and dissolution methods during treatment



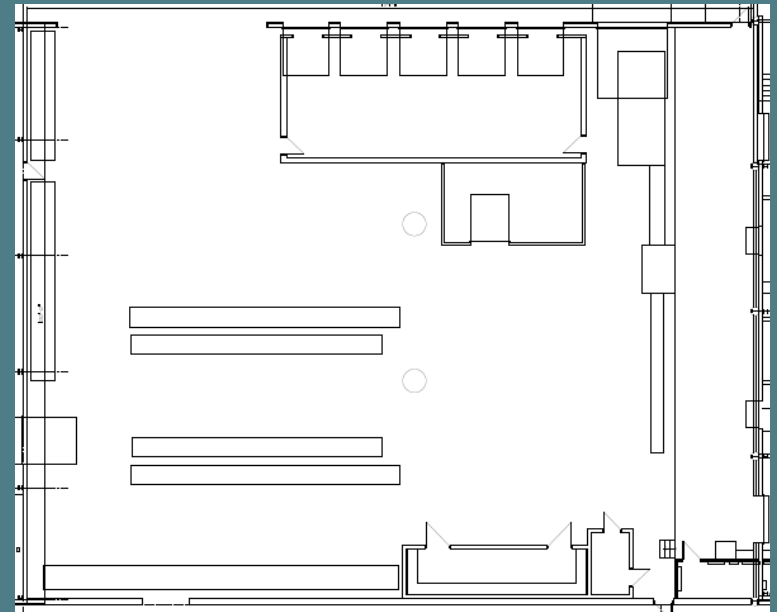
DLS – 4

- Containment area for three tanks used to store hazardous waste
- Authorized to store up to 15,000 gallons in tanks



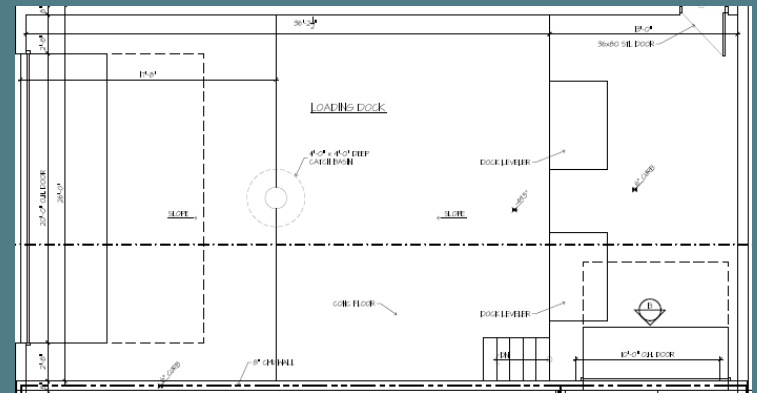
DLS – 5

- Used to store and treat non-hazardous and hazardous wastes
- Can store up to 114,400 gallons of hazardous waste
- Authorized to use fume hoods, inorganic fume hoods, organic fume hoods, shredders, filter presses, distillation methods, neutralization/precipitation methods, metal reclamation methods, aerosol recovery/recycling methods, solidification methods, conversion methods, dissolution methods, stabilization methods during treatment



HWLB

- Mainly used as an intake/ outgoing area for wastes
- Authorized to store up to 4,020 gallons of hazardous waste in containers
- Authorized to use fume hoods, shredders, filter presses, metals reclamation methods, and stabilization methods during treatment



Expansion

Proposing to add:

- 3 hazardous waste loading bays
- 3 hazardous waste processing and storage areas
- 2 hazardous waste storage areas
 - 1 would be temperature controlled
- 1 temperature-controlled hazardous waste storage warehouse
- 1 bulk storage building/ tank storage area
- 1 railcar loading and storage area
- 1 materials control enclosure
- 1 explosives bunker

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Expansion Continued

Through the expansion DLD plans to:

- Add 598,506 gallons to container capacity
- Add 90,000 gallons to tank capacity

License Requirements

General Requirements:

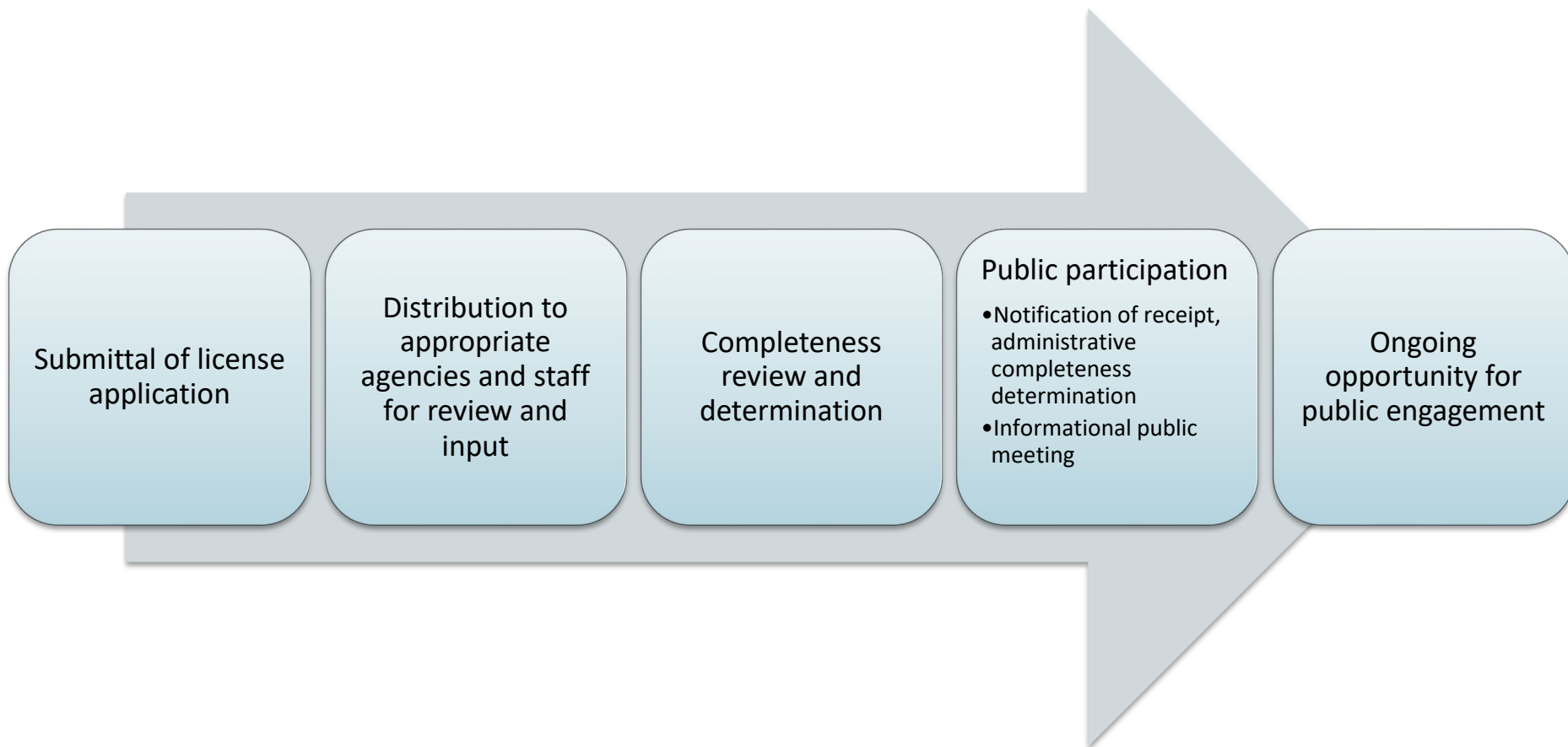
- Waste analysis
- Inspection schedule
- Personnel training
- Preparedness and Prevention
- Contingency plan
- Recordkeeping and reporting
- Environmental monitoring

License Requirements

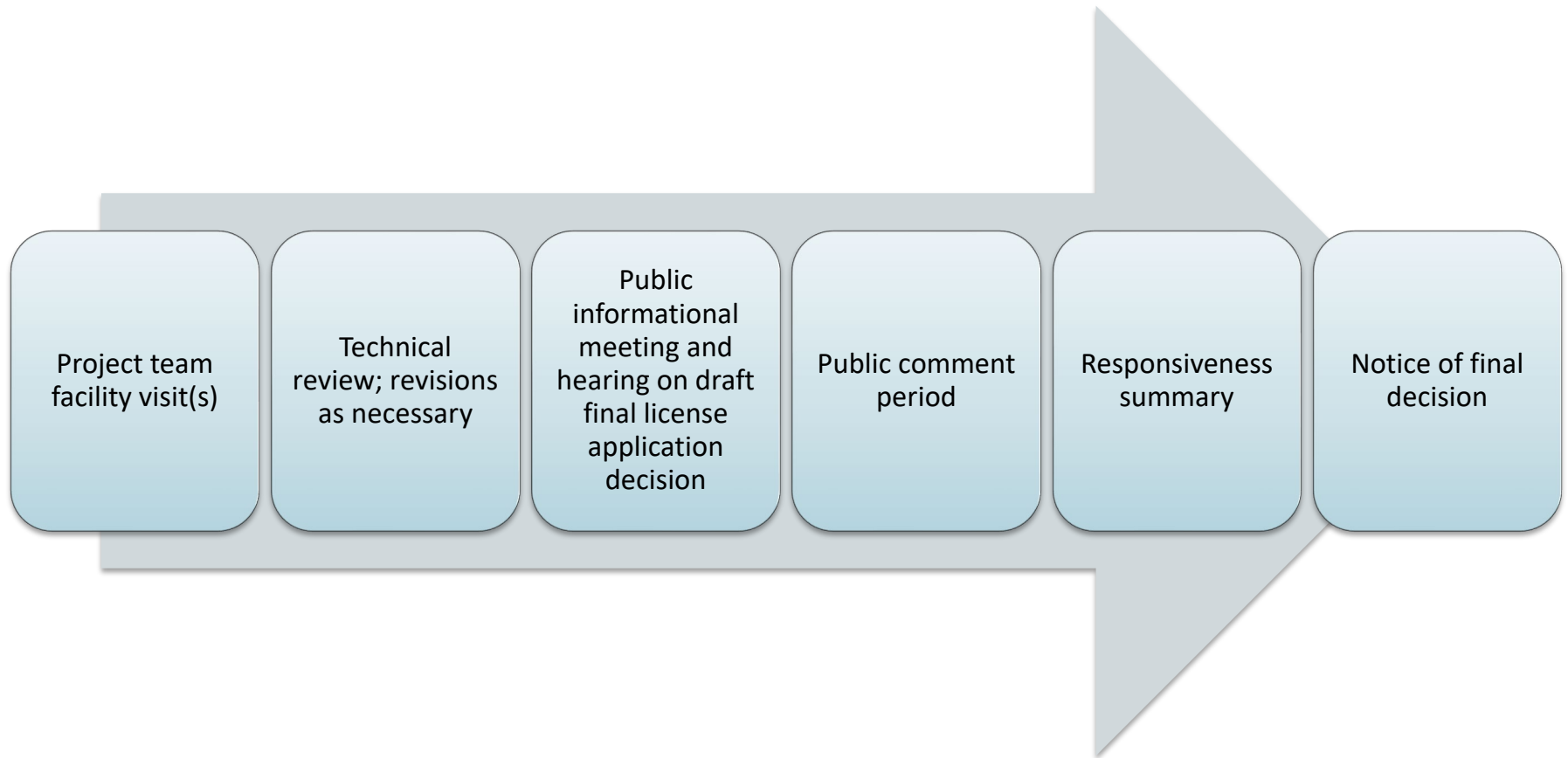
Site-Specific Requirements:

- Container management
- Tank management
- Miscellaneous unit management
- Treatment processes
- Construction conditions

Renewal and Expansion Process



Renewal and Expansion Process



Public Comment

Significant comments:

- Technical issues within the renewal application
- Insufficient detail or misrepresentation of information
- Inconsistencies with statute or rules
- Facility traffic, odors, and other impacts on the surrounding community/environment

Past Comment and EGLE's resolution:

- Concern was expressed that hazardous waste trucks are leaking on the roads while traveling to and from the licensed facility.
- Based on this comment, EGLE implemented truck inspections by the EGLE on-site personnel. The inspections were repeated periodically to verify that leaking trucks were not entering/ leaving the facility. If leaking trucks were identified, appropriate enforcement action was to be taken promptly and the facility and/or the waste transporter were required to clean up any leaked materials.

Compliance Summary

Licensing History:

- Initial operating license issued to Drug & Laboratory Disposal, Inc. in August 1999
- Current operating license was issued in September 2012
- Timely submittal of the operating license renewal application on September 21, 2022, allows the facility to continue to operate under the current license
- Expansion cannot begin unless EGLE takes final favorable action on the expansion application

Compliance Summary

Quarterly Inspections:

- Evaluate compliance with license conditions and applicable regulations
- Evaluate manifests, waste analysis fingerprinting, and storage, treatment, and transport activities
- DLD is separately permitted and registered to transport hazardous waste and liquid industrial by-products
- Inspections include visual inspection containers, containment areas, security, alarms, etc.) and record review (manifests, approvals, waste acceptance, inspection records, training, contingency plan, etc.)
- Issues identified are documented through violation notices or compliance communications

Compliance Summary

Quarterly Inspections:

- Compliance issue resolution conducted through communication, documentation, follow up inspection, or consent order

Overall Facility Compliance:

- No outstanding violations
- Facility is currently in compliance
- View information in [Waste Data System](#)

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DLD license review

Find renewal/expansion application and current license at
Michigan.gov/DLD-Environmental-Services

Michigan Department of
Environment, Great Lakes, and Energy

800-662-9278

Michigan.gov/EGLE



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