



Michigan Department of Environmental Quality
Office of Waste Management and Radiological Protection

SOLID WASTE DISPOSAL AREA CONSTRUCTION PERMIT

This construction permit is issued under the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL 324.11501 et seq., to permit the construction of a solid waste disposal area (Facility) in the state of Michigan. This permit does not obviate the necessity of obtaining other authorization as may be required by state law.

FACILITY NAME: DTE Energy Monroe Power Plant Ash Basin

PERMITTEE/FACILITY OWNER: DTE Electric Company

PROPERTY OWNER: DTE Electric Company

TYPE OF FACILITY: Type III Low-Hazard Industrial Waste Landfill and Type III Industrial Waste Surface Impoundment

FACILITY ID: 397800

COUNTY: Monroe

PERMIT NUMBER: 4147

ISSUE DATE: July 31, 2015

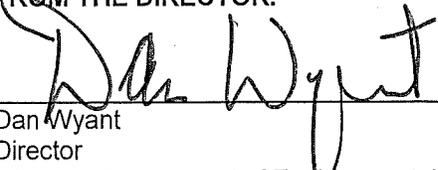
EXPIRATION DATE: One year from date of issuance unless development of the Facility begins within the year.

FACILITY DESCRIPTION: The DTE Energy Monroe Power Plant Ash Basin, a Type III low-hazard industrial waste landfill and Type III industrial waste surface impoundment, consists of 410.57 acres located in Section 16, T7S, R9E, Monroe Township, Monroe County, Michigan. The Facility is identified in Attachment A-1 and A-2 and is fully described in this permit.

RESPONSIBLE PARTY: Mr. Joseph Garavaglia, Staff Engineer
DTE Electric Company
One Energy Plaza
Detroit, Michigan 48226
313-235-8714

This permit is subject to revocation by the Director of the Michigan Department of Environmental Quality (Director) if the Director finds that the disposal area is not being constructed or operated in accordance with the approved plans, the conditions of a permit or license, Part 115, or the rules promulgated under Part 115. This permit shall be available through the applicant during its term and remains the property of the Director. Failure to comply with the terms and provisions of this permit may result in legal action leading to civil and/or criminal penalties as stipulated in Part 115.

THIS PERMIT IS NOT TRANSFERABLE UNLESS PRIOR AUTHORIZATION HAS BEEN OBTAINED FROM THE DIRECTOR.



Dan Wyant
Director
Michigan Department of Environmental Quality

Permittee/Facility Owner: DTE Electric Company
Facility Name: DTE Energy Monroe Power Plant Ash Basin
Construction Permit Number: 4147
Issue Date: July 31, 2015

The permittee shall comply with all terms of this permit and the provisions of Part 115 and its rules. This permit includes the permit application and any attachments to this permit.

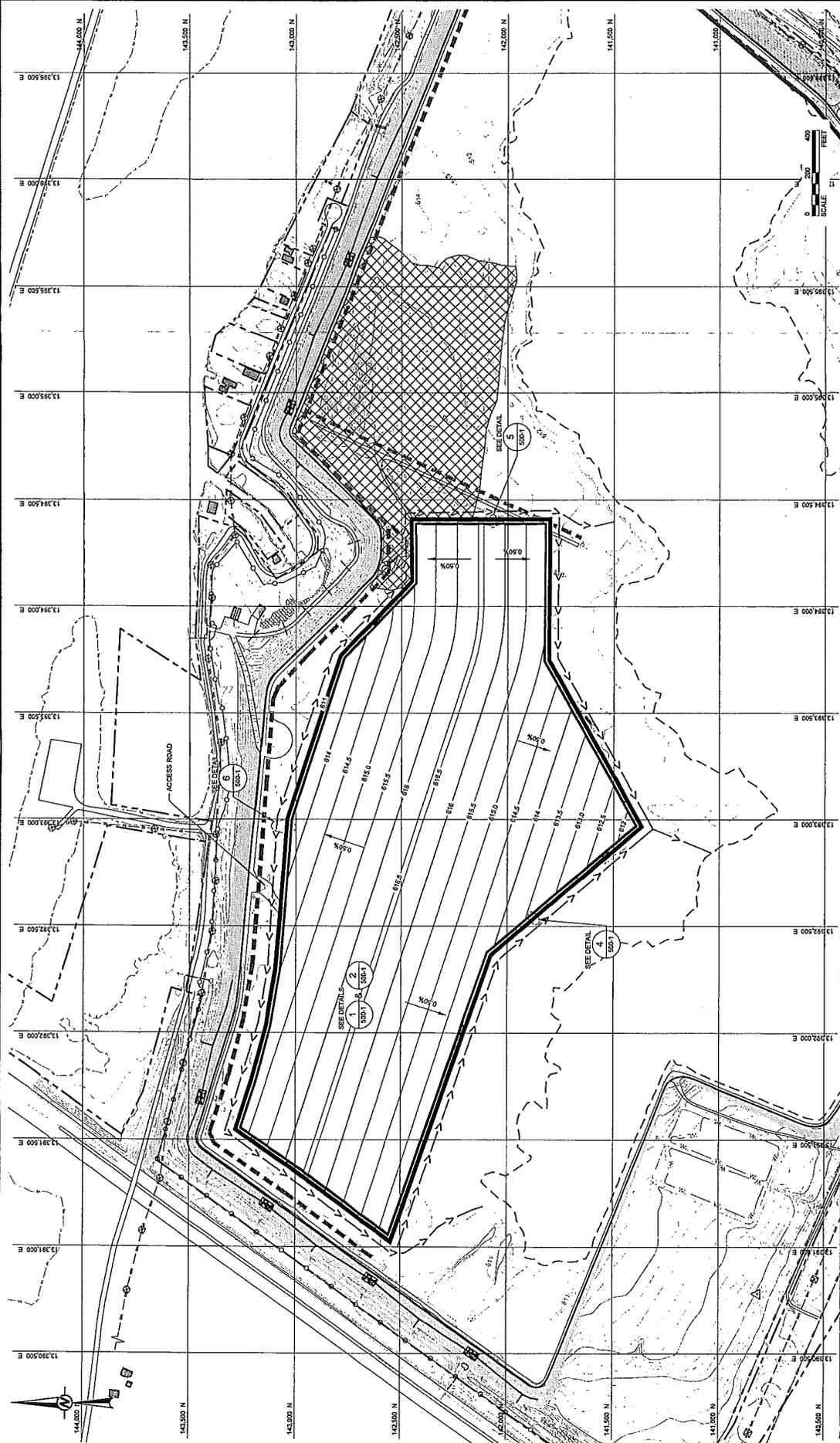
1. The permittee shall construct the Facility in a manner that will not violate any state or federal law.
2. This permit authorizes the construction of the disposal area as defined in the Application for Permit to Construct a Solid Waste Disposal Area (Application) documents dated April 16, 2015, and received by the Michigan Department of Environmental Quality (MDEQ), on April 16, 2015. The new disposal area authorized by this permit shall not be utilized for the disposal of solid waste until an operating license for the disposal area is issued by the MDEQ.
3. The attached map (Attachment A1 and A2) shows the Facility, the area permitted for construction, area(s) authorized for the placement and/or acceptance of solid waste, monitoring points, leachate storage units, site roads, and related appurtenances.
4. Issuance of this permit is based on the assumption that the information submitted by the Applicant in the Application dated April 16, 2015, received by the MDEQ on April 16, 2015, and any subsequent amendments is accurate. Any inaccuracies or deviations found in this information may be grounds for the revocation or modification of this permit and/or other enforcement action. The permittee shall inform the MDEQ's Office of Waste Management and Radiological Protection (OWMRP), Jackson District Supervisor, of any known inaccuracies and/or any deviation in the information of the Application that would affect the permittee's ability to comply with the applicable rules or permit conditions. This permit is issued based on MDEQ review of the Application, EQP 5506. The Application includes the following documents or their approved revisions that are incorporated by reference and become enforceable portions of this permit:
 - a. Application Form EQP 5506.
 - b. Fee in the amount of \$250.
 - c. May 1999 Hydrogeological Assessment prepared by Detroit Edison and dated May 4, 1999.
 - d. Groundwater Monitoring Program titled "June 1999 Hydrogeological Monitoring Plan," prepared by Detroit Edison and dated June 18, 1999.
 - e. Engineering Drawings titled "DTE Energy Monroe Fly Ash Basin Construction Permit Application Modification," prepared by Golder Associates, Inc., and dated April 16, 2015.
 - f. Engineering Report prepared by Golder Associates, Inc., and dated April 16, 2015.
 - g. Closure/Post-Closure Plan prepared by Golder Associates, Inc., and dated April 2015.
 - h. Operations, Monitoring and Action Plan, DTE Energy Monroe Power Plant and Ash Basin, prepared by Golder Associates, Inc., and dated April 2015.
 - i. Construction Quality Assurance Plan, MPP Fly Ash Basin Overliner Construction, prepared by Golder Associates, Inc., and dated April 2015.
5. The sampling parameters and monitoring frequencies are outlined in the Hydrogeological Monitoring Plan. The sampling results shall be submitted to the MDEQ's OWMRP, Jackson District Office.
6. **VARIANCES:** The permittee is granted the following variance(s) from Part 115 and/or its rules: None

Permittee/Facility Owner: DTE Electric Company
Facility Name: DTE Energy Monroe Power Plant Ash Basin
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7. **SPECIAL CONDITIONS:** None.
8. **TERM:** This construction permit shall expire one year after the date of issuance, unless development under the construction permit is initiated within that year.

END OF PERMIT

ATTACHMENT A-2



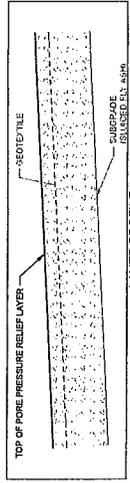
PROJECT
 MONROE POWER PLANT ASH BASIN
 PERMIT MODIFICATION

TITLE
 PORE WATER RELIEF SYSTEM

CLIENT
 DTE ENERGY
 MONROE POWER PLANT
 MONROE, MI
 CONSULTANT



CLIENT
 DTE ENERGY
 MONROE POWER PLANT
 MONROE, MI
 CONSULTANT



LAYER PROFILE

PREPARED	JIS	2013-03-20
DESIGN	JIS	
REVIEW	TD	
APPROVED	EM	

PROJECT No.
 15218089

CONTROL

Rev.

ROUTE
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