



Michigan Department of Environmental Quality  
Waste Management Division

**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, MCL 324.11501 et seq. (Part 115), 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: Waste Management of Michigan, Inc., d.b.a.,  
Northern Oaks Recycling and Disposal Facility

PERMITTEE/FACILITY OWNER: Waste Management of Michigan, Inc.

PROPERTY OWNER: Waste Management of Michigan, Inc.

TYPE OF FACILITY: Municipal Solid Waste Landfill

FACILITY ID: 18-000028

COUNTY: Clare

PERMIT NUMBER: 0387

ISSUE DATE: March 21, 2001

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

FACILITY DESCRIPTION: The Northern Oaks Recycling and Disposal Facility, a Municipal Solid Waste Landfill, consists of 160 acres located in the NE 1/4 of Section 32, T19N, R4W, Hayes Township, Clare County, Michigan. The Facility is identified in Attachment A and is fully described in this permit.

RESPONSIBLE PARTY: Ms. Debora L. Johnston  
Divisional Engineer  
Waste Management of Michigan, Inc.  
P.O. Box 813  
Harrison, Michigan 48625  
517-539-6111

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.**

  
Russell J. Harding, Director  
Michigan Department of Environmental Quality

Permittee/Facility Owner: Waste Management of Michigan, Inc.  
Facility Name: Waste Management of Michigan, Inc., d.b.a. Northern Oaks Recycling and Disposal Facility  
Construction Permit Number: 0387  
Month/year: March 2001

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.

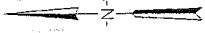
1. The permittee shall construct the Facility in a manner that will not violate any state or federal law.
2. This permit authorizes the construction of the disposal area as defined in the Application for Solid Waste Disposal Area Construction Permit (Application) documents, dated November 21, 2000, and received by the Michigan Department of Environmental Quality (Department) on November 22, 2000. 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 Department.
3. The attached map (Attachment A) 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 November 21, 2000, received by the Department on November 22, 2000, 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 Department's Waste Management Division, Saginaw Bay District Supervisor, of any known inaccuracies and/or any deviation in the information of the Application which would affect the permittee's ability to comply with the applicable rules or permit conditions. This permit is issued based on Department review of the Application, EQP 5506. The Application includes the following documents or their approved revisions which are incorporated by reference and become enforceable portions of this permit:
  - a. Application Form EQP 5506.
  - b. Fee in the amount of \$1,000.00.
  - c. Construction Permit Application for the Vertical Expansion of Northern Oaks Recycling and Disposal Facility, dated November 2000, revised January, 2001, as prepared by Earth Tech, Inc.
  - d. Hydrogeological Report Addendum, dated November 2000, revised January 2001, as prepared by Eagon and Associates, Inc.
  - e. Vertical Expansion Design Drawings, Sheets 1-19, dated November 2000, revised January 2001, as prepared by Earth Tech, Inc.
  - f. Hydrogeological Report Addendum Plan Drawings, dated November 2000, revised January 2001, as prepared by Eagon and Associates, Inc., and Earth Tech, Inc.
5. The sampling parameters and monitoring frequencies are outlined in the Hydrogeological Monitoring Plan. The sampling results shall be submitted to the Department's Waste Management Division, Saginaw Bay District Office.
6. **VARIANCES:** None.
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**

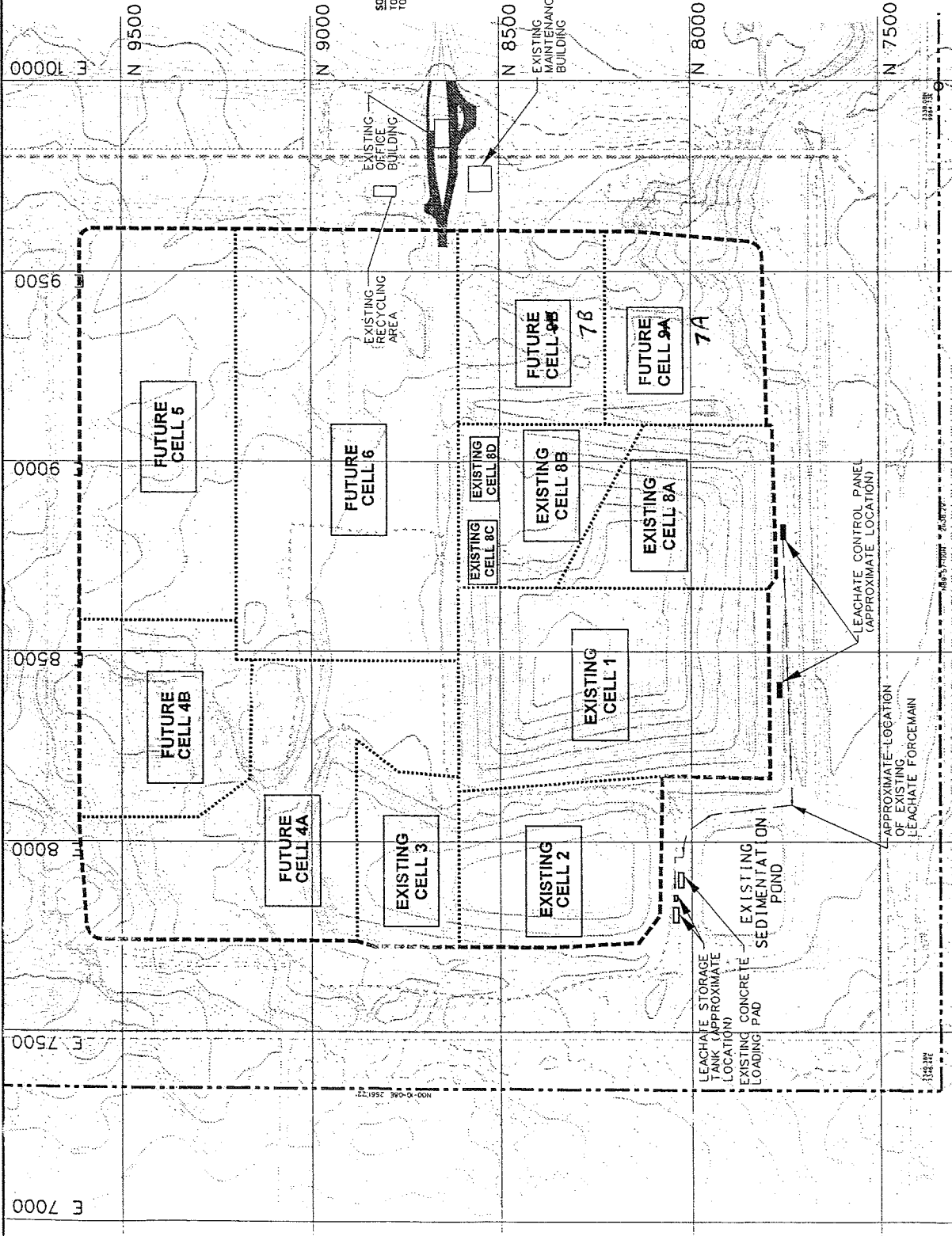
ATTACHMENT A

Levels On= 1-30-32-63  
 FRF = L:\WORK\33734\CADD\CIVIL\ENGR\FACILITY.prp  
 DATE = Mon Nov 20 16:03:15 2000  
 DGN = L:\WORK\33734\CADD\CIVIL\ENGR\FACILITY.DGN

- LEGEND**
- PROPERTY LINE
  - - - PERMITTED LIMIT OF WASTE
  - ..... CELL BOUNDARY
  - ===== EXISTING PAVED ACCESS ROAD
  - EXISTING UNPAVED ACCESS ROAD



SOLID WASTE DISPOSAL AREA AND VOLUME  
 CELL ID WASTE DISPOSAL VOLUME (CU. YDS.)  
 TOTAL SOLID WASTE DISPOSAL VOLUME: 11,699,121 CU. YDS.



RECEIVED  
 NOV 22 2000  
 MDU-WMD  
 SAGINAW-DAY

NORTHERN OAKS RDF  
 513 NORTH COUNTY FARM ROAD  
 HARRISON, MICHIGAN 48625

**FACILITY LAYOUT**



E A R T H T E C H

PROJECT NO: 33734

CADD PRODUCED DRAWING: FACILITY.DGN

NOVEMBER 2000

SCALE: 1" = 300'