

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 clearances and permits as may be required by state law.

FACILITY NAME: Montmorency/Oscoda Joint Sanitary Landfill

GRANTED TO: Montmorency-Oscoda-Alpena Solid Waste Management Authority

TYPE OF FACILITY: Type II Landfill

FACILITY ID: 60-000007

COUNTY: Montmorency

PERMIT NUMBER: 0369

ISSUE DATE: October 28, 1998

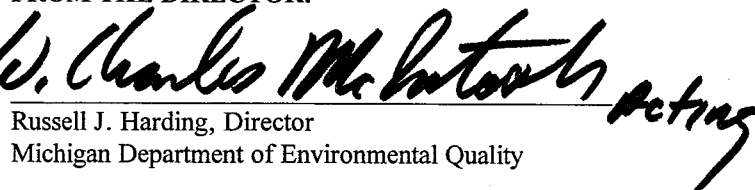
EXPIRATION DATE: October 28, 1999 unless development of the Facility begins within the year.

FACILITY DESCRIPTION: The Montmorency/Oscoda Joint Sanitary Landfill consists of 86.06 acres located in the NW ¼ of the SE ¼ and the south 200 feet of the SW ¼ of the NE ¼ and the NE ¼ of the SE ¼, Section 6, T29N, R3E, Loud Township, Montmorency County, Michigan. The Facility is identified in Attachment A and is fully described in this permit.

RESPONSIBLE PARTY TO CONTACT: Mr. Roger Frye, Chairman
Montmorency-Oscoda-Alpena Solid Waste Management Authority
P.O. Box 415
Atlanta, Michigan 49709

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, this act, or the rules promulgated under this act. This permit shall be available through the applicant during the entire effective date 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

Applicant: Montmorency-Oscoda-Alpena Solid Waste Management Authority
Facility Name: Montmorency/Oscoda Joint Sanitary Landfill
Construction Permit Number: 0369
October 1998

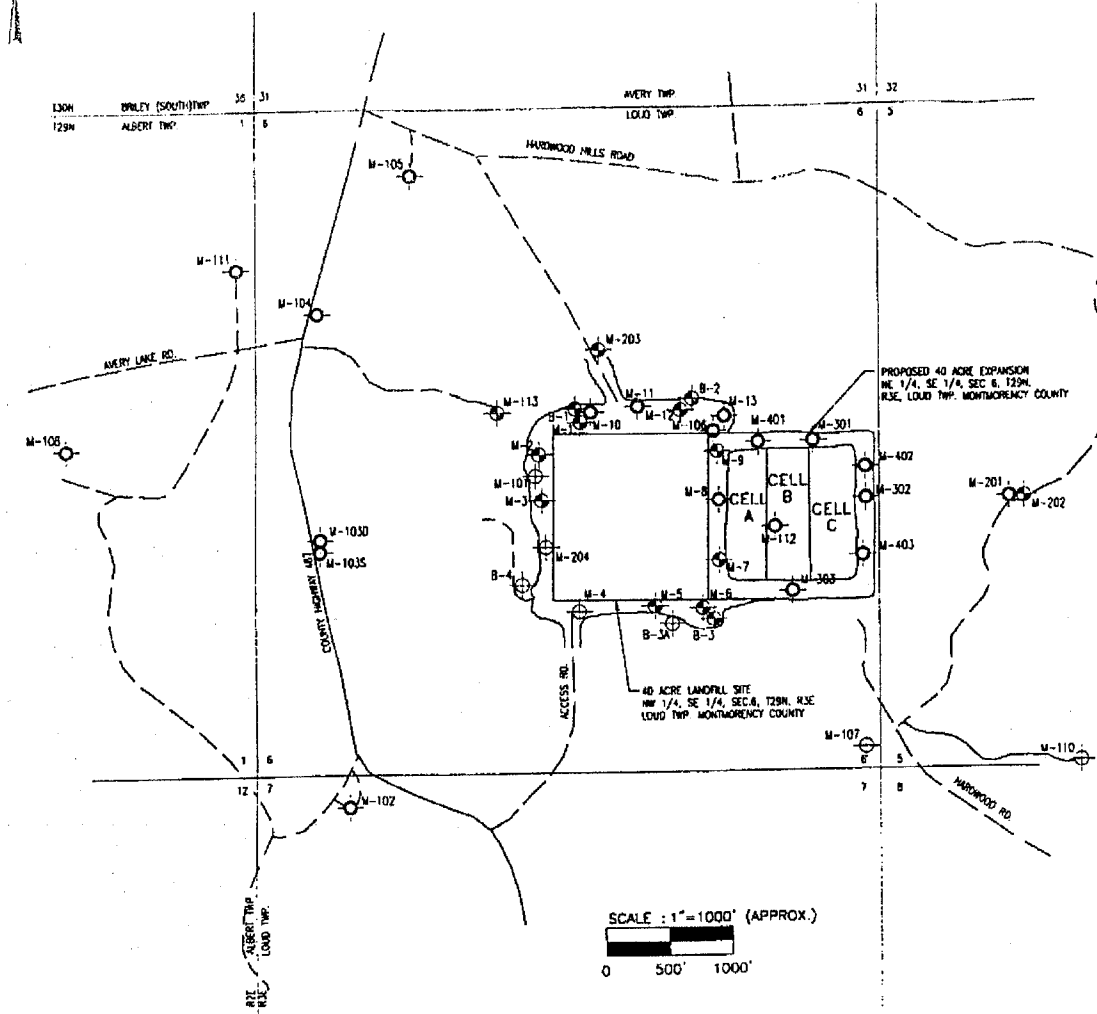
The permittee shall comply with all terms of this permit and the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and its rules. This permit includes the permit application and any attachments to this permit.

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 July 1, 1998, and received by the Michigan Department of Environmental Quality (Department) on July 2, 1998 (new disposal area). 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, monitoring points, leachate storage units, site roads, and related appurtenances.
4. Issuance of this permit is based on the assumption that the information submitted in the Application dated July 1, 1998, received by the Department on July 2, 1998, 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, Cadillac 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. The Application includes the following documents or their approved revisions which are incorporated by reference and become enforceable portions of this permit:
 - a. Construction Permit Application, Form EQP5506.
 - b. Fee in the amount of \$1750.00.
 - c. Landfill Expansion Construction Permit Application (Engineering Report), dated June of 1998, which includes the following documents:
 - i. Closure Plan (Section 7)
 - ii. Post-Closure Plan (Section 8)
 - iii. Construction Quality Assurance Plan (Section 10)
 - d. Engineering Plans entitled, "Construction Permit Application, Montmorency-Oscoda-Alpena Solid Waste Management Authority, Type II Municipal Solid Waste Landfill Vertical Expansion of Existing Cell 6 & Horizontal Expansion of New 40 Acres, Section 6, T29N, R3E, Loud Township, Montmorency County, Michigan," and dated June of 1998, prepared by Capitol Consultants Engineers.
 - e. "Environmental Assessment," dated January 14, 1998.
 - f. "Hydrogeological Investigation Report," dated January 14, 1998.
 - g. "Hydrogeological Monitoring Plan," dated January 15, 1998.
 - h. "Leachate Recirculation Permit," dated September of 1998.

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- i. "Remedial Investigation Work Plan," dated October 22, 1998.
5. **SAMPLING PARAMETERS AND FREQUENCY:** 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, Grayling Field Office, 1955 North I-75 B.L., Grayling, Michigan 49738.
6. **SPECIAL CONDITIONS:**
- a. By June 15, 1999, upon completion of the Remedial Investigation Work Plan dated October 22, 1998, the permittee shall submit to the Department for review and approval an amendment to the Remedial Action Plan, dated September 20, 1991, and approved by the Department with modifications on December 2, 1991.
 - b. The Remedial Action Plan amendment shall comply with Part 201, Environmental Remediation, of the NREPA and the rules promulgated thereunder.
 - c. Until such time as the amended Remedial Action Plan is approved by the Department and implemented by the permittee, the permittee shall comply with the provisions of the approved Remedial Action Plan, dated September 20, 1991.
 - d. The amended Remedial Action Plan shall be implemented by the permittee within 30 days of Department approval.

END OF PERMIT



NOTE:

1. SITE PLAN PARTIALLY REPRODUCED FROM H.C. HALL CONSULTING CIVIL ENGINEER, INC. HYDROGEOLOGICAL STUDY, AUGUST, 1990, PLATE II, ORIGINAL SCALE 1" = 500'.
2. OBSERVATION WELLS AND MONITORING WELLS, OTHER THAN M-201 THROUGH M-204, WERE INSTALLED BY OTHERS 1976 THROUGH 1990. REFER TO JULY 1, 1991 HYDROGEOLOGICAL INVESTIGATION REPORT BY GZA GEOENVIRONMENTAL, INC. FOR ADDITIONAL DETAIL. MONITORING WELLS M-201 THROUGH M-204 WERE INSTALLED BY GZA IN SEPTEMBER/ OCTOBER 1991. MONITORING WELLS M-301, M-302 AND M-303 WERE INSTALLED BY GZA IN AUGUST 1992.
3. WELLS DESIGNATED M-401, M-402, AND M-403 ARE PROPOSED LOCATIONS.

LEGEND :

- M-1 OBSERVATION WELLS AND MONITORING WELLS SET IN PERCHED WATER ABOVE THE TILL
- M-101 OBSERVATION WELLS AND MONITORING WELLS SET WITHIN ISOLATED SAND LENSES IN THE TILL
- M-10 MONITORING WELLS SET WITHIN THE AQUIFER
- INDICATES EXTENT OF CLEARING/ TREELINE AT LANDFILL
- UNIMPROVED LOCAL ROADS
- TRAILS

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| REV. NO. | DESCRIPTION | BY | DATE |
| | | DA | MS |
| | PROD. NO. DA | APPROVED BY: DA | 1-15-98 |
| | | REVISD BY: | DATE: 1-15-98 |
| | | GZA GeoEnvironmental, Inc. | |
| MONTMORENCY / OSCODA JOINT SANITARY LANDFILL MONTMORENCY COUNTY, MICHIGAN PROPOSED LANDFILL EXPANSION AND GROUNDWATER MONITORING WELL LOCATION PLAN | | | |
| PROJECT NO. 61137.00 | | | |
| FIGURE 3 | | | |

OCT-26-98

ATTACHMENT A