



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., 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: K & W Landfill, Inc.

GRANTED TO: K & W Landfill, Inc.

TYPE OF FACILITY: Type II Landfill

FACILITY ID: 66-000013

COUNTY: Ontonagon

PERMIT NO. 0353

ISSUE DATE: July 21, 1997

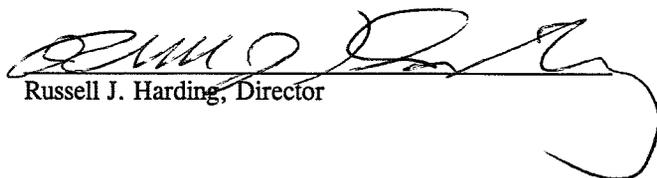
EXPIRATION DATE: One year from date of issue unless development of facility begins within the year.

FACILITY DESCRIPTION: The Type II landfill known as the K & W Landfill, Inc. consists of 85.17 acres located in the S 1/2, NE 1/4, and the N 1/2, SE 1/4, Section 28, T51N, R38W, Greenland Township, Ontonagon County, Michigan. The facility is identified in Attachment A and is fully described in this permit.

RESPONSIBLE PARTY TO CONTACT: Mr. Dean Ulrich, General Manager
K & W Landfill, Inc.
5436 M-38
Ontonagon, Michigan 49953
906-883-3505

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

Applicant: K & W Landfill, Inc.
Facility Name: K & W Landfill, Inc.
Construction Permit No. 0353
July 1997

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 March 26, 1997, and received by the Michigan Department of Environmental Quality (Department) on March 26, 1997. 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 March 26, 1997, received by the Department on March 26, 1997, 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, Marquette 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. Application Form PR-5522.
 - b. Fee in the amount of \$1,000.00.
 - c. Construction Permit Application, prepared for K & W Landfill, Inc., Volume 1, prepared by Wenck Associates, Inc. and dated March 1997. Volume 1 contains: The Hydrogeological Investigation Report, the Landfill Environmental Assessment, the Design Report, Operations Plan, Closure and Post-Closure Plan, Construction Quality Assurance Plan and Engineering Plan Sheets 1-13. Volume 1 was revised on June 20, 1997.
 - d. Construction Permit Application, prepared for K & W Landfill, Inc., Volume 2, prepared by Wenck Associates, Inc. and dated March 1997. Volume 2 contains references and attachments cited in various sections of Volume 1. Volume 2 was revised on June 20, 1997.
 - e. Hydrogeological Monitoring Plan, prepared for K & W Landfill, Inc., prepared by Wenck Associates, Inc., and dated March 1997. The Hydrogeological Monitoring Plan was revised on July 1, 1997.
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, Marquette District Office.
6. **VARIANCES:** None

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7. **SPECIAL CONDITIONS:** The following materials are approved for use as alternate daily cover:
- a. Woven geotextile.
 - b. Woven-coated polyethylene.
 - c. Paper Mill sludge from the Consolidated Paper, Inc. - Niagara Division Paper Mill
 - d. Petroleum impacted soil from the removal of underground storage tanks.

END OF PERMIT

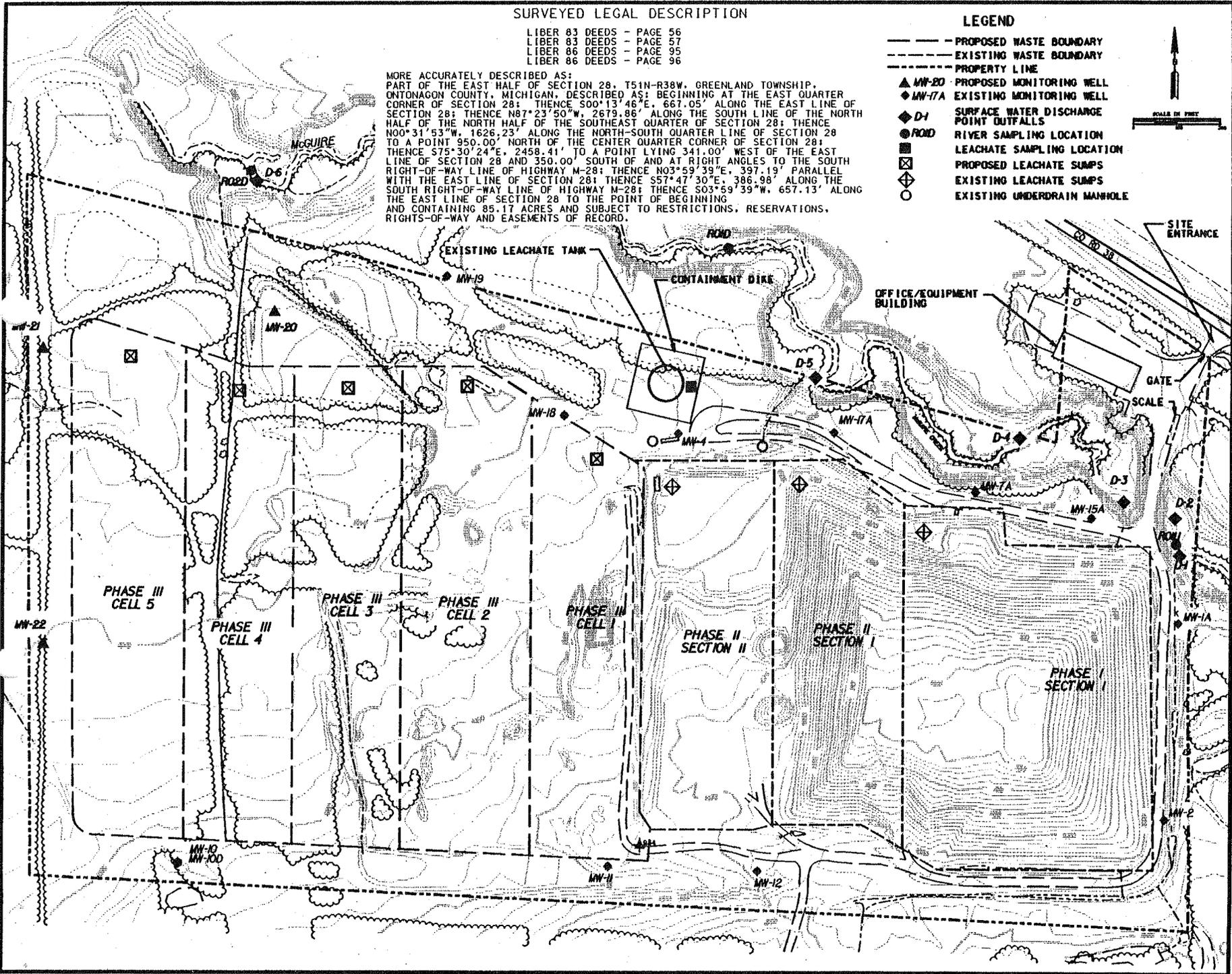
SURVEYED LEGAL DESCRIPTION

- LIBER 83 DEEDS - PAGE 56
- LIBER 83 DEEDS - PAGE 57
- LIBER 86 DEEDS - PAGE 95
- LIBER 86 DEEDS - PAGE 96

MORE ACCURATELY DESCRIBED AS:
 PART OF THE EAST HALF OF SECTION 28, T51N-R38W, GREENLAND TOWNSHIP,
 ONTONAGON COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING AT THE EAST QUARTER
 CORNER OF SECTION 28; THENCE 500°13'46"E, 667.05' ALONG THE EAST LINE OF
 SECTION 28; THENCE N87°23'50"W, 2679.86' ALONG THE SOUTH LINE OF THE NORTH
 HALF OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 28; THENCE
 N00°31'53"W, 1626.23' ALONG THE NORTH-SOUTH QUARTER LINE OF SECTION 28
 TO A POINT 950.00' NORTH OF THE CENTER QUARTER CORNER OF SECTION 28;
 THENCE S75°30'24"E, 2458.41' TO A POINT LYING 341.00' WEST OF THE EAST
 LINE OF SECTION 28 AND 350.00' SOUTH OF AND AT RIGHT ANGLES TO THE SOUTH
 RIGHT-OF-WAY LINE OF HIGHWAY M-28; THENCE N03°59'39"E, 397.19' PARALLEL
 WITH THE EAST LINE OF SECTION 28; THENCE S57°47'30"E, 386.98' ALONG THE
 SOUTH RIGHT-OF-WAY LINE OF HIGHWAY M-28; THENCE S03°59'39"W, 657.13' ALONG
 THE EAST LINE OF SECTION 28 TO THE POINT OF BEGINNING,
 AND CONTAINING 85.17 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS,
 RIGHTS-OF-WAY AND EASEMENTS OF RECORD.

LEGEND

- PROPOSED WASTE BOUNDARY
- - - EXISTING WASTE BOUNDARY
- PROPERTY LINE
- ▲ MW-20 PROPOSED MONITORING WELL
- ◆ MW-77A EXISTING MONITORING WELL
- ◆ D-1 SURFACE WATER DISCHARGE POINT OUTFALLS
- ROAD RIVER SAMPLING LOCATION
- LEACHATE SAMPLING LOCATION
- ⊠ PROPOSED LEACHATE SUMPS
- ◇ EXISTING LEACHATE SUMPS
- EXISTING UNDERDRAIN MANHOLE



DATE: _____

REVISIONS: _____

SHEET TITLE: LOCATION MAP

DATE: JUNE 1987

PROJECT: SITE MAP - REVISION #2 - 7/7/97

K & W LANDFILL

GREENLAND MICHIGAN

PREPARED FOR K & W LANDFILL INC.

Wenck
 Technical Association, Inc. 800 Power Dr. Oak Creek, WI 53009
 Environmental Engineering 414-779-4212 Fax 414-779-4212

FIGURE NO. 1