

OHIO ENVIRONMENTAL PROTECTION AGENCY
PERMIT-TO-INSTALL

Application Number: 03-1266 1
Application Received: November 1, 2000
Permit Fee: \$68,405.64
Permit Fee Balance: \$68,005.64

Applicant: Board of Erie County Commissioners
Address: 2900 S. Columbus Avenue
City, State, Zip: Sandusky, Ohio 44870

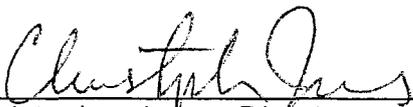
Name: Erie County Landfill
Location: East side of Hoover Road approximately 1/2 mile southeast of Huron-Avery Road
PTI: Lateral Expansion

Issuance Date: JUL 02 2002

Effective Date: JUL 02 2002

The above named entity is hereby issued a permit approval (permit-to-install) for the above described source pursuant to Chapter 3745-31 of the Ohio Administrative Code (OAC), Issuance of this permit approval (permit-to-install) does not constitute expressed or implied approval or agreement that, if constructed and/or modified in accordance with the plans, specifications, and/or information accompanying the permit application, the above described source of environmental pollutants will operate in compliance with applicable state and federal laws, rules, and regulations, and does not constitute expressed or implied assurances that if constructed and/or modified in accordance with those plans, specifications, and/or information accompanying the permit application, the above described source of environmental pollutants will be granted the necessary operating permits and/or licenses. This permit approval (permit-to-install) is issued subject to the attached conditions which are hereby incorporated and made a part hereof.

Ohio Environmental Protection Agency



Christopher Jones, Director

OHIO E.P.A.
JUL -2 2002
ENTERED DIRECTOR'S JOURNAL

I certify this to be a true and accurate copy of the official document as filed in the records of the Ohio Environmental Protection Agency.

By: Zona L. Clements Date: 7/2/02

PERMIT SUMMARY

This is a Permit to Install (PTI Number 03-12661) for lateral expansion of the Erie County Landfill, owned by the Board of Erie County Commissioners. The landfill is located on the East side of Hoover Road, approximately 1/2 mile southeast of Huron-Avery Road.

The proposed solid waste disposal unit is approximately 61 acres and is located south of Mud Brook, between the Closed Erie County Landfill Facility and the Operating Erie County Landfill Facility. The existing unit of the Operating Erie County Landfill Facility consists of approximately 25 acres of trench fill and approximately 8 acres constructed with a composite liner system and a leachate collection system. The existing unit also has a surface water management system, a ground water monitoring system, and an explosive gas monitoring system. The proposed non-contiguous lateral expansion of the facility will be constructed with a composite liner system, a leachate collection system, a surface water management system, a ground water monitoring system, and an explosive gas monitoring system. This permit approval includes financial assurance for closure and 30 years of post-closure care. The permit includes an exemption from the requirement to construct a liner system in the sedimentation basins.

The PTI maintains an authorized maximum daily waste receipt (AMDWR) of eight hundred (800) tons, but the Board of Erie County Commissioners anticipates the yearly waste receipt, based on gate receipts, to be one hundred thousand (100,000) tons per year. Based on the gate receipts for the past three years, Erie County receives an average of 330 tons per day. The operational life of the facility would be 40 years based on the expected yearly gate receipts, or 16.6 years based on the AMDWR. This permit approval authorizes approximately six million eight hundred forty thousand (6,840,000) cubic yards of new disposal capacity.

This summary is provided solely for informational purposes and does not constitute a part of, or otherwise affect, the attached permit-to-install.

PERMIT CONDITIONS

1. The director, or an authorized representative, may enter upon the premises of the above named applicant (permittee) at any reasonable time during construction and operation for the purpose of making inspections, conducting tests, or examining records or reports pertaining to the construction, modification, or installation of the above described source of environmental pollutants (municipal solid waste disposal facility).

2. The proposed facility shall be constructed in strict accordance with the plans, specifications, and information submitted as part of the application for this permit to the director. There may be no deviation from the approved plans without the express, written approval of the Ohio Environmental Protection Agency (Ohio EPA). Any deviation from the approved plans or the permit conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional landfill components shall be installed upon orders of the Ohio EPA if the proposed engineered components of the solid waste disposal facility are inadequate or cannot meet applicable standards.
3. Issuance of this permit approval does not relieve the applicant (permittee) of the duty to comply with all applicable federal, state, and local laws, ordinances, and regulations.
4. In accordance with OAC Rule 3745-31-06(A), this permit approval shall terminate 18 months after its effective date if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. In accordance with OAC Rule 3745-31-06(C), this deadline may be extended by up to 12 months if application is made to the director no less than 60 days prior to the expiration of the 18-month period and the party shows just cause for such an extension.
5. This approval shall apply only to the facility shown on the plans submitted as part of PTI Application Number 03-12661, received on November 1, 2000, with subsequent revisions received on December 21, 2001; April 12, 2002; and April 29, 2002.
6. The authorized maximum daily waste receipt (AMDWR) is eight hundred (800) tons. The AMDWR cannot be increased without a revised slope stability analysis that shows the facility will remain stable with the increased loading.
7. This permit approval may be modified, or alternatively revoked and reissued, to comply with any revisions to OAC Chapters 3745-27 and 3745-31 applicable to this municipal solid waste disposal facility.
8. The permittee shall provide for the proper maintenance and operation of the municipal solid waste disposal facility in accordance with the provisions of OAC Chapter 3745-27.

9. Nothing in this permit approval shall be interpreted to release the permittee from responsibility under Chapters 3704, 3714, 3734, or 6111 of the Ohio Revised Code (ORC); under the Federal Clean Water Act, the Resource Conservation and Recovery Act, or the Comprehensive Environmental Response, Compensation, and Liability Act; or from other applicable requirements for remedying conditions resulting from any release of contaminants to the environment.
10. This permit approval does not authorize the acceptance of any hazardous or infectious waste, except for those excluded from hazardous or infectious waste regulation by ORC Chapter 3734.
11. This permit approval does not authorize the acceptance of any asbestos or asbestos-containing waste material that is subject to the provisions of NESHAP, 40 CFR Part 61, Subpart M. No such asbestos or asbestos-containing waste material may be accepted without first obtaining the necessary permits from Ohio EPA.
12. Ohio EPA Northwest District Office (NWDO) and the Erie County Health Department, if on the Director's approved list, shall be notified in writing of the construction starting date prior to the start of construction on each of the facility's phases so that construction of this facility can be routinely inspected by Ohio EPA, NWDO and the Erie County Health Department, if on the Director's approved list, before the phases are placed in operation.
13. The permittee shall perform the following activities during construction and operation of the facility in accordance with the cited provisions of OAC Chapter 3745-27:
 - a. The test pad required by OAC Rule 3745-27-08(C)(1)(m) shall be constructed and a report containing the test results shall be submitted to Ohio EPA, NWDO no later than fourteen (14) days prior to the initial construction date of the landfill component which the test pad models.
 - b. The earthen material tests required by OAC Rule 3745-27-08(D) shall be performed and the results submitted to Ohio EPA, NWDO no later than fourteen (14) days prior to the intended use of the material in construction.
 - c. All results and laboratory reports of testing to confirm or evaluate the strength of materials for slope stability analysis, as required by the QA/QC plan contained in the permit narrative, shall be submitted to Ohio EPA, NWDO no later than thirty (30) days prior to beginning construction of any component of the landfill which utilizes the materials.

- d. The construction certification report required by OAC Rule 3745-27-08(H) shall be submitted to Ohio EPA, NWDO and the Erie County Health Department, if on the Director's approved list, no later than forty-five (45) days prior to the anticipated date of waste receipt in the newly constructed phases.
 - e. The permittee shall provide written notification to Ohio EPA, NWDO and the Erie County Health Department, if on the Director's approved list, of the names and address of the contracted third party, if any, which will have responsibility for quality assurance/quality control of the facility construction, prior to the third party contractor assuming responsibility at the facility. The permittee shall notify Ohio EPA, NWDO, of any change in the contracted third party prior to the new contractor taking responsibility at the facility.
14. The permittee shall provide for the following inspections and facility maintenance:
- a. The permittee shall provide for daily inspection of the disposal facility and completion of the daily inspection checklist and the municipal solid waste disposal facility daily log of operations. Written results of the inspections, including any corrective measures employed, shall be made available to Ohio EPA, NWDO or the Erie County Health Department, if on the Director's approved list, upon request.
 - b. Surface water control structures, including sedimentation ponds, sedimentation pond discharge structures, pipes, ditches, and culverts, shall be inspected at least monthly for erosion, clogging, or failure, and prompt corrective action shall be taken if necessary. A log, including inspection results, any corrective measures, and the date and weather conditions during any water quality sampling shall be maintained on-site and submitted to Ohio EPA, NWDO or the Erie County Health Department, if on the Director's approved list, upon request.
 - c. Culverts which are part of the facility's surface water control system shall be cleaned out as necessary to ensure that any given culvert flow volume does not decrease below seventy-five percent (75%) of its maximum flow capacity.
 - d. No later than ninety (90) days after the first observation by Ohio EPA, by Erie County Health Department, if on the Director's approved list, or by the permittee of erosion damage to the permanent surface water control structures of the final cap, the permittee shall make all necessary repairs to the damaged permanent surface water control structures in a manner which will prevent erosion from recurring.

- e. To ensure proper operation of sedimentation ponds, the ponds shall be cleaned out before the elevation of the top of settled particles exceeds the sediment cleanout elevations specified in Appendix I of the permit narrative. Sedimentation basins shall be cleaned out more often, if necessary, to maintain the storage volume required by OAC Rule 3745-27-08(C)(6)(b).
 - f. Daily records of operation shall be maintained in accordance with OAC Rule 3745-27-19(E)(12) and copies made available upon request to Ohio EPA and the Erie County Health Department, if on the Director's approved list. A summary of each month's daily waste receipts shall be submitted to Ohio EPA, NWDO and the Erie County Health Department, if on the Director's approved list, by the fifteenth (15) day of the following month. The summary report shall include the day of the month with corresponding tonnage of waste received for that day. In addition, the summary report shall include the monthly totals of in-district and out-of-district waste received for each category of the reported waste streams.
15. Prior to waste acceptance in any disposal area newly authorized by this permit approval, the permittee shall execute and fund a financial assurance instrument for the facility meeting the requirements of OAC Rules 3745-27-15, 3745-27-16, and 3745-27-17.
 16. The permittee shall submit an application for an NPDES permit with an antidegradation addendum to Ohio EPA, Division of Surface Water at least one hundred eighty (180) days prior to the anticipated discharge from any new point source authorized by this permit to surface waters of the state.
 17. Erie County Landfill shall be filled with twelve (12) to fifteen (15) foot level lifts of waste to reduce the risk of pore pressure buildup in the underlying soils and to allow time for the pore water to dissipate. An entire phase or subphase shall receive a 12 to 15 foot level lift prior to filling above that lift in any portion of the phase or subphase.
 18. Prior to waste placement in Phase 1, the permittee shall verify, to the satisfaction of Ohio EPA, the conclusions from the PTI application regarding slope stability for the entire facility. Failure to provide verification of the conclusions from the PTI application regarding the slope stability analysis, as required by this condition, may require alterations, modifications, or closure of the facility.

19. Pursuant to ORC Sections 3745.11(Q) and (V), payment of the solid waste permit-to-install fee balance, in the amount of \$68,005.64 payable to "Treasurer, State of Ohio", shall be submitted to Ohio EPA, Attn: Fiscal Administration, P.O. Box 1049, Columbus, Ohio 43216-1049. The fee balance shall be submitted within 30 days of the effective date of this permit approval. Failure to submit the required permit fee balance within the 30 days will result in assessment of late penalties in accordance with ORC Sections 3745.11(Q) and (V).

END OF PERMIT CONDITIONS

ORC 3734.02(G) EXEMPTION

Pursuant to ORC Section 3734.02(G), the Board of Erie County Commissioners is hereby granted an exemption from the requirement of OAC Rule 3745-27-08(C)(6)(d)(iv) to construct a liner system in the sedimentation basins. The sedimentation basins shall be constructed in accordance with the approved PTI, and in such a manner that they are stable and hold water.