

OHIO ENVIRONMENTAL PROTECTION AGENCY
PERMIT-TO-INSTALL

OHIO E.P.A.
JUN - 7 2002
REGISTERED DIRECTOR'S JOURNAL

Application Number: 03-10322
Application Received: January 21, 1997
Permit Fee: \$7557.00
Permit Fee Balance: \$7157.00

Applicant: Hancock County Board of Commissioners
Address: 300 South Main Street
City, State, Zip: Findlay, Ohio 45840

Name: Hancock County Sanitary Landfill
Location: Located on Township Road 107, one half mile west of the intersection of Township Road 142 in Allen Township, Hancock County

PTI: Vertical Expansion

Issuance Date: JUN 7 - 2002

Effective Date: JUN 7 - 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

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

By: Zena K. Clement 6/2/02

Christopher Jones
Christopher Jones, Director

PERMIT SUMMARY

This permit approval (PTI Number 03-10322) is a final authorization for a 46 acre vertical expansion of the Hancock County Sanitary Landfill. The facility is located on Allen Township Road 107, Hancock County, Ohio, and owned/operated by the Hancock County Commissioners.

The facility is currently operating under a 1996 PTI in conjunction with a 1994 PTI, together referred the 1994/1996 PTI. The 1994 PTI allowed for a 46 acre vertical expansion over the old trench and fill and a non-coniguous 58 acre horizontal expansion to the west. The 1996 PTI modified the vertical portion of the facility as proposed in the 1994 PTI. This permit to install authorizes an increase in airspace of 755,700 cubic yards, which is to be accomplished by increasing the vertical slopes of the facility from 20% to 25% and revising the cap design. The increase in side slopes will raise the Landfill's height from 916 feet to 950 feet above msl (about 150 feet above the surrounding countryside). The PTI application proposes to maintain the current authorized maximum daily waste receipt (AMDWR) of 500 tons. Based on the AMDWR, the expansion would increase the facility's service life by about 3.4 years; however, at current actual gate receipts, the increase in the facility's service life would be about 5.4 years.

The landfill already incorporates into its construction such features as a barrier layer system between old and new waste, a perimeter leachate collection and management system, and a surface water control system. Under this PTI, the owner/operator of the facility will continue to monitor the landfill site for any possible signs of ground water contamination or explosive gas migration, and will provide for a final closure cap system and 30 years of post closure care. The final closure cap system will include a barrier layer of 18 inches of recompacted clay and 40 mil LLDPE flexible membrane liner which would offer better protection to the environment than the 24 inch recompacted clay barrier layer of the 1994/1996 PTI.

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 authorized representatives, 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 facility components shall be installed upon orders of the Ohio EPA if the proposed solid waste disposal facility is inadequate or cannot meet applicable standards.
3. Issuance of this permit approval does not relieve the applicant 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 any such extension.
5. This approval shall apply only to those facility components shown on the plans submitted as part of PTI Application Number 03-10322, received on January 21, 1997, with the final revision received on February 21, 2002.
6. The facility's authorized maximum daily waste receipt (AMDWR) is 500 tons.
7. This permit 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 laws for remedying conditions resulting from any release of contaminants to the environment.
10. This permit approval does not include approval for 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 provide for the acceptance of any asbestos or asbestos-containing 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's Northwest District Office (NWDO) and the Hancock County Health Department 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 Hancock County Health Department 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. Any 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 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 14 days prior to the intended use of the material in construction.
 - c. No later than 30 days prior to the installation of any geosynthetic materials, the permittee shall submit to Ohio EPA, NWDO the results of testing as required by the QA/QC plan.

- d. The construction certification report required by, OAC Rule 3745-27-08(H) shall be submitted to Ohio EPA, NWDO and the Hancock County Health Department no later than 45 days prior to the anticipated date of waste receipt in the newly constructed phases.
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 Hancock County Health Department 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, corrective measures, and the date and weather conditions during any water quality sampling shall be maintained and submitted to Ohio EPA, NWDO or the Hancock County Health Department, upon request.
 - c. To ensure proper operation of sedimentation ponds and to maintain the storage volume required by OAC Rule 3745-27-08(C)(6)(d), the ponds shall be cleaned out completely annually, or whenever the elevation(s) of the settled particles reaches any of the elevations noted on page 19 of the narrative portion of the PTI application.
15. No later than 90 days after the effective date of this permit, the permittee shall execute and fund a financial assurance instrument meeting the requirements of OAC Rules 3745-27-15, 3745-27-16, and 3745-27-17.
16. This permit to install solely addresses the vertical expansion of the existing unit as proposed on the plans and in the narrative included with the PTI application. It does not address any issues associated with the horizontal expansion portion of the 1994 PTI.
17. Pursuant to OAC Rule 3745-27-20(A)(3), the permittee shall not place municipal solid waste in the horizontal expansion area unless compliance with the location restriction specified in OAC Rule 3745-27-20(C)(1) for airports has been adequately demonstrated.

18. During construction activities at the facility, a registered professional engineer responsible for the supervision of on-site technical staff shall be present at the facility at least two (2) days per week.
19. Pursuant to ORC Sections 3745.11 (Q) and (V), payment of the solid waste permit-to-install fee balance, in the amount of \$7157.00, 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 timely submit the required permit fee balance will result in assessment of late penalties in accordance with ORC Sections 3745.11(Q) and (V).

END OF PERMIT CONDITIONS