

# OHIO ENVIRONMENTAL PROTECTION AGENCY

## (PERMIT TO INSTALL)

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Application Number: 06-07219  
Application Received: June 3, 2003  
Solid Waste Permit Fee: \$1,000.00  
Solid Waste Permit Fee Balance: \$600.00

Applicant: Pike Sanitation, Inc.  
Address: 123 South Lock Street  
Waverly, Ohio 45690

Name: Pike Sanitation Landfill  
Location: 11775 State Route 220, Waverly, Seal Township, Pike County,  
Ohio  
Permit Type: Vertical Expansion and Other Modification

Issuance Date:

Effective Date:

The above-named entity is hereby issued a permit approval (permit-to-install) for the above described source pursuant to Ohio Administrative Code (OAC) Chapter 3745-31. Issuance of this permit approval 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 is issued subject to the attached conditions which are hereby incorporated and made a part hereof.

Ohio Environmental Protection Agency

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Christopher Jones, Director

## PERMIT SUMMARY

This permit approval (PTI Number 06-07219) authorizes Pike Sanitation, Inc. to modify its Pike Sanitation Landfill located in Pike County. Specifically, Pike proposes the following:

1. To modify the bottom slopes of Phase 4 to drain leachate in the opposite direction. This change decreases the approved capacity by about 178,000 cubic yards.
2. To increase the vertical limits of solid waste placement on the northern and western slopes of Phase 1. These areas, along with the northern slope of the tire monocell, are overfilled by as much as 17 feet. As part of a consent agreement filed on December 30, 2003, Pike agreed to either remove the overfill or obtain authorization to leave the overfill in place. This permit only allows Pike to leave the solid waste portion of the overfill in place; it does not approve the scrap tire portion.
3. To modify the leachate collection system to ensure that leachate generated from Phase 4 is not transported to the sump in Phase 1. This permit approval contains a condition requiring Pike to incorporate additional leachate collection sumps to intercept and prevent leachate generated in any phase constructed after Phase 4 from entering the Phase 1 sump. The proposed design changes, in conjunction with the permit condition, should result in compliance with the December 30, 2003, consent agreement.

The existing approved solid waste disposal area is approximately 137 acres. Pike proposes to continue their current authorized maximum daily waste receipt (AMDWR) of 2,000 tons. This permit decreases the previously approved solid waste capacity by about 408,000 cubic yards. Only 178,000 cubic yards of the reduction is associated with the redesign of Phase 4. The remaining decrease results from using an improved and more accurate method of calculating volumes.

This landfill currently has and will continue to incorporate into its construction such features as a composite (clay/geosynthetic membrane) liner system, a leachate collection and management system, a ground water monitoring system, an explosive gas extraction system, a final closure cap system, and 30 years of post-closure care. Furthermore, the closed unlined landfill located at this facility is being removed and placed within the lined facility.

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 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 facility shall be constructed in strict accordance with the plans, specifications, and information submitted as a part of the application for this permit approval. 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 facility will operate in compliance with all Ohio laws and regulations. Additional landfill components shall be installed upon orders of Ohio EPA if the proposed municipal solid waste disposal facility is inadequate or cannot meet applicable standards.
3. Issuance of this permit does not relieve the permittee of the duty to comply with all applicable federal, state, and local laws, ordinances, and regulations.
4. This permit approval shall apply only to the facilities shown on the plans submitted as part of PTI Application Number 06-07219, received on June 3, 2003, with subsequent revisions received on October 17, 2003; December 11, 2003; February 17, 2004; March 3, 2004; and March 11, 2004.
5. The facility's AMDWR is 2,000 tons.
6. This permit approval may be modified, or alternatively revoked and reissued, to comply with any revisions to OAC Chapter 3745-27 applicable to this municipal solid waste disposal facility.
7. 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.

8. Nothing in this permit shall be interpreted to release the permittee from responsibility under Ohio Revised Code (ORC) Chapters 3704, 3714, 3734, or 6111; under the Federal Clean Water 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.
9. Ohio EPA, Southeast District Office (SEDO) and the Pike County Health Department shall be notified in writing of the construction starting date prior to the start of construction so that construction of this facility can be routinely inspected by Ohio EPA, SEDO or the Pike County Health Department before being placed into operation.
10. This permit approval does not authorize the acceptance of any hazardous or infectious wastes, except for those excluded from hazardous or infectious waste regulation by ORC Chapter 3734.
11. 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 as follows:
  - a. The test pad required by OAC Rule 3745-27-08 shall be constructed and a report containing the test results shall be submitted to Ohio EPA, SEDO no later than 14 days prior to the initial construction date of the landfill component which the test pad models.
  - b. The following pre-construction tests for the material to be used as recompacted soil liner, leachate collection layer, or cap soil barrier layer shall be performed at the frequency required by OAC Rule 3745-27-08, or the specifications in the authorizing document(s) if different than the rule, and the results submitted to Ohio EPA, SEDO:
    - i. Maximum dry density and optimum moisture content according to ASTM D698 (standard proctor) or ASTM D1557 (modified proctor),
    - ii. Grain size distribution according to ASTM D422 (sieve and hydrometer),
    - iii. Atterberg limits according to ASTM D4318,

- iv. Recompacted laboratory permeability according to ASTM D5084 (falling head),
- v. Carbonate content according to ASTM D3042 using a pH of 4.0, and
- vi. Interface shear strength according to ASTM D5321 (direct shear test).

The construction material shall not be used until seven days after the results have been submitted, unless Ohio EPA, SEDO authorizes the use of the material prior to the expiration of the seven-day period.

- c. The construction certification report required by OAC Rule 3745-27-08(H) shall be submitted to Ohio EPA, SEDO no later than 45 days prior to the anticipated date of waste receipt.
12. The permittee shall submit the construction certification report required by OAC Rule 3745-27-08(H) to Ohio EPA, SEDO and the Pike County Health Department no later than 45 days prior to the anticipated date of waste receipt. The permittee shall not accept waste in a phase or sub-phase until Ohio EPA, SEDO provides written concurrence to do so.
13. 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 Municipal Solid Waste Disposal Facility Daily Log of Operations, Form 3. Written results of the inspections, including any corrective measures employed, shall be made available to Ohio EPA, SEDO or the Pike 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, any corrective measures, and the date and weather conditions during any water quality sampling shall be maintained on-site and submitted to Ohio EPA, SEDO or the Pike County Health Department upon request.
  - c. To ensure proper operation of sedimentation ponds, the ponds shall be cleaned out completely every year or when the volume of settled particles

necessitates cleaning based either on inspection results or to maintain the storage volume required by OAC Rule 3745-27-08(D)(3).

14. The permittee shall maintain the funded financial assurance instrument and adjust it in accordance with OAC Rules 3745-27-15 and 3745-27-16. The pay-in period used to calculate the June 2004 trust fund pay-in for final closure costs and post-closure care costs is 21 years.
15. For any landfill phase constructed subsequent to Phase 4, as shown on the plans submitted as part of PTI Application Number 06-07219, the permittee shall construct, in accordance with Ohio EPA authorized plans, additional leachate collection sumps that intercept and prevent leachate generated in those areas from entering the Phase 1 sump. A small transitional area around the existing Phases 1 and 3 will be allowed to direct leachate to the Phase 1 sump.
16. Pursuant to ORC Sections 3745.11(Q) and (V), payment of the solid waste permit-to-install fee balance, in the amount of six hundred dollars (\$600.00) 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 CONDITIONS**