



State of Ohio Environmental Protection Agency

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## OHIO ENVIRONMENTAL PROTECTION AGENCY PERMIT-TO-INSTALL

Application Number: PTI Number 02-14224  
Application Received: July 27, 2000  
Permit Fee: \$62,210.40  
Permit Fee Balance: \$61,810.40

Applicant: Central Waste, Inc.  
Address: 12003 Oyster Road  
City, State, Zip: Alliance, Ohio 44601

Name: Central Waste Landfill  
Location: 12003 Oyster Road, Smith Township, Mahoning County, Ohio  
PTI: Vertical and Lateral Expansion

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) Rule 3745-27-02. 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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Joseph P. Koncelik, Director

Bob Taft, Governor  
Jennette Bradley, Lieutenant Governor  
Joseph P. Koncelik, Director

## PERMIT SUMMARY

This permit approval (PTI Number 02-14224) authorizes the vertical and lateral expansion of the approved limits of waste placement at the existing Central Waste Landfill (Facility) located at 12003 Oyster Road, Smith Township, Mahoning County, Ohio. Central Waste, Inc. (CWI) is both the owner and operator of the Facility.

The Facility currently consists of a single operating unit, comprising approximately 18.8 acres of waste placement, and two (2) capped, inactive non-contiguous units totaling 26 acres and 5.4 acres, respectively. This permit approval authorizes CWI to construct a landfill expansion approximately 42.0 acres in size, comprised of 37.9 acres of new disposal cells developed contiguous and north of the current operation and 4.1 acres vertically expanding above currently permitted Phase 2B. Total expansion volume is approximately 6,221,040 cubic yards (CY).

This permit approval also authorizes CWI to relocate approximately 253,700 CY of waste from a capped, inactive, unlined industrial sludge unit and 152,000 CY of waste from a capped, inactive, unlined MSW unit to lined disposal areas. In addition, this permit approval increases the Facility's authorized maximum daily waste receipt (AMDWR) from 3,000 tons to 5,000 tons. Based on the facility volume and AMDWR, the anticipated life of the Facility is about 3.1 years.

Finally, this permit approval allows CWI to make improvements to the Facility, including its surface water management system, leachate collection system, explosive gas extraction system, and explosive gas monitoring system. Specifically, the landfill will incorporate into its construction such features as a composite (clay/geosynthetic membrane) liner system, a leachate collection and management system, a groundwater monitoring system, an explosive gas extraction system, a final closure cap system, and 30 years of post-closure care. Furthermore, waste will be relocated from the two capped, inactive, unlined units and placed within the lined facility.

The Facility expansion will be located in an area where underlying mine spoil is classified by Ohio EPA as an uppermost aquifer system (UAS). CWI has demonstrated that this UAS is contained within the Facility boundary and that the UAS discharges solely to surface water capable of being monitored. Therefore, this permit also approves an exemption, pursuant to Ohio Revised Code (ORC) Section 3734.02(G), from the siting criterion in OAC Rule 3745-27-07(H)(2)(e), which requires that the isolation distance between the uppermost aquifer system and the bottom of the recompacted soil liner of a sanitary landfill facility be not less than fifteen (15) feet (see section titled "Exemption from Siting Criteria"). In addition to monitoring the mine spoil aquifer system, CWI will monitor a second aquifer system located in the bedrock beneath the mine spoil and a significant zone of saturation adjacent to the mine spoil.

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 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 approval 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 those facilities shown on the plans submitted as part of PTI Application Number 02-14224, as received on July 27, 2000, with subsequent revisions received on March 7, 2002; March 21, 2002; April 18, 2002; December 30, 2002; January 10, 2003; November 7, 2003; November 17, 2003; November 25, 2003; April 5, 2004; April 9, 2004; April 14, 2004; April 28, 2004; May 13, 2004; June 14, 2004; June 21, 2004; June 28, 2004; July 2, 2004; July 20, 2004; July 23, 2004; August 11, 2004; August 24, 2004; and December 7, 2004.
5. The Facility's AMDWR shall be 5,000 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 approval shall be construed to authorize any waiver from the requirements of any other applicable federal or state laws or regulations except as specified herein. This permit approval shall not be interpreted to release the permittee

from responsibility under ORC Chapters 3704, 3714, 3734, or 6111; 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.

9. Ohio EPA, Northeast District Office (NEDO) and the Mahoning County General Health District shall receive written notification of the construction start date no later than seven (7) days prior to starting any construction authorized under this permit approval, so that construction of the Facility can be routinely inspected by Ohio EPA, NEDO and the Mahoning County General Health District 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. 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. 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(E) shall be constructed, and a report containing the test results shall be submitted to Ohio EPA, NEDO no later than fourteen (14) days prior to the initial construction date of the landfill component that the test pad models.
  - b. The pre-construction tests required by OAC Rule 3745-27-08(D) shall be performed, and the test results shall be submitted to Ohio EPA, NEDO no later than seven (7) days prior to the intended use of the materials in construction.
  - c. The pre-construction interface tests required by OAC Rule 3745-27-08(G) shall be performed, and the test results shall be submitted to Ohio EPA, NEDO no later than seven (7) days prior to the use of each geosynthetic material authorized by this permit approval.
  - d. The construction certification report required by OAC Rule 3745-27-08(H) shall be submitted to Ohio EPA, NEDO no later than 45 days prior to the anticipated date of waste receipt. Pursuant to OAC Rule 3745-27-19(C)(1), the permittee shall not

accept waste in a phase until Ohio EPA, NEDO provides written concurrence of the construction certification report for that phase.

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 daily inspection checklist and 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, NEDO and the Mahoning County General Health District 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. Written results of the inspections, including a discussion of any corrective actions taken, any water quality samples taken, the date, and weather conditions, shall be recorded on the required daily log forms. The information shall be maintained on site and submitted to Ohio EPA, NEDO and the Mahoning County General Health District 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. Prior to waste acceptance in any disposal area newly authorized by this permit approval, 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.
15. Ohio EPA, NEDO and the Mahoning County General Health District shall receive written notice of the anticipated start date for waste relocation activities no later than seven (7) days prior to relocating any existing waste to each of the Facility's phases authorized under this permit approval, so that the waste relocation activities can be routinely inspected by Ohio EPA, NEDO and the Mahoning County General Health District.
16. The permittee shall continue to implement the ground water monitoring program for the existing ground water monitoring system in accordance with OAC Rule 3745-27-10, while the permittee implements changes to the ground water monitoring system contained in the permit-to-install and required by Condition Number 17. Implementation is defined as the collection of ground water samples from the ground water monitoring system.

17. Not later than ninety (90) days after the effective date of this permit, the permittee shall install all proposed and replacement monitoring wells and piezometers, as detailed in the permit, in accordance with OAC Rule 3745-27-10(B).
18. Not later than one (1) year after the date of installation of all proposed and replacement monitoring wells, the permittee shall sample and statistically analyze the ground water data from these wells in accordance with OAC Rules 3745-27-10(C) and (D).
19. After initial sampling has been conducted for all proposed new and replacement monitoring wells, the permittee shall continue to implement the ground water monitoring program specified in the permit in accordance with OAC Rule 3745-27-10.
20. The permittee shall not change the location of, or add any new, Facility components without prior authorization from Ohio EPA. Any such authorization request shall include plan drawing cross-sections showing the location of the uppermost aquifer system(s).
21. In the event that downgradient monitoring wells within the mine spoil UAS trigger into assessment monitoring pursuant to OAC Rule 3745-27-10(E), the permittee shall incorporate monitoring of the surface waters to which the mine spoil UAS discharges into the ground water assessment monitoring plan.
22. CWI shall submit a bird hazard mitigation plan that satisfies the requirements of OAC Rule 3745-27-20(C)(1) to Ohio EPA, NEDO for review and approval. The plan shall be submitted to Ohio EPA no later than thirty (30) days prior to the anticipated date of waste acceptance into any unit authorized under this permit approval.
23. Pursuant to ORC Sections 3745.11(Q) and (V), payment of the solid waste permit-to-install fee balance, in the amount of sixty-one thousand, eight hundred ten dollars and forty cents (\$61,810.40) 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 thirty (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 the aforementioned sections.

**END OF CONDITIONS**

## EXEMPTION FROM SITING CRITERION

The permittee has requested an exemption from OAC Rule 3745-27-07(H)(2)(e), which states:

“The isolation distance between the uppermost aquifer system and the bottom of the recompacted soil liner of a sanitary landfill facility is not less than fifteen feet of in-situ or added geologic material constructed in accordance with OAC Rule 3745-27-08.”

Specifically, the Facility expansion will be located in an area where underlying mine spoil is classified by Ohio EPA as the uppermost aquifer system (UAS) and will include construction of the bottom of the recompacted soil liner within fifteen (15) feet of the designated UAS. No added geologic material constructed pursuant to OAC Rule 3745-27-08 is proposed between the bottom of the recompacted soil liner and the designated UAS.

CWI has demonstrated that this UAS is contained within the Facility boundary and that it discharges solely to surface waters capable of being monitored. In addition to monitoring the mine spoil aquifer system, CWI will monitor a second aquifer system located in the bedrock beneath the mine spoil and a significant zone of saturation adjacent to the mine spoil.

Pursuant to ORC Section 3734.02(G) and OAC Rule 3745-27-03, the director may, by order, exempt any person generating, collecting, storing, treating, disposing of, or transporting solid wastes, or processing solid wastes that consist of scrap tires, in such quantities or under such circumstances that, in the determination of the director, are unlikely to adversely affect the public health or safety or the environment, from any requirement to obtain a registration certificate or license or comply with other requirements of ORC Chapter 3734.

Because CWI has demonstrated that the UAS is contained within the Facility boundary and discharges solely to surface waters capable of being monitored, and because the permittee will monitor hydrogeologic units adjacent to, beneath, and within the UAS, granting an exemption from OAC Rule 3745-27-07(H)(2)(e) is unlikely to adversely affect the public health or safety or the environment. Therefore, pursuant to ORC Section 3734.02(G) and OAC Rule 3745-27-03(B), the permittee is hereby exempted from OAC Rule 3745-27-07(H)(2)(e), which requires that the isolation distance between the UAS and the bottom of the recompacted soil liner is not less than fifteen (15) feet of in-situ or added geologic material constructed in accordance with OAC Rule 3745-27-08.