



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
JACKSON COUNTY**

CERTIFIED MAIL

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.
Center

Application No: 06-06475

DATE: 11/8/2001

Beech Hollow Sanitary Landfill
Bruce Downard
28 AW Long Rd
Wellston, OH 45692-9799

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

SEDO



Permit To Install

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

FINAL PERMIT TO INSTALL 06-06475

Application Number: 06-06475
APS Premise Number: 0640020059
Permit Fee: **\$900**
Name of Facility: Beech Hollow Sanitary Landfill
Person to Contact: Bruce Downard
Address: 28 AW Long Rd
Wellston, OH 45692-9799

Location of proposed air contaminant source(s) [emissions unit(s)]:

28 AW Long Rd
Wellston, Ohio

Description of proposed emissions unit(s):

Landfill To Accept Asbestos Waste Chapter 31 Modification replacing PTI 06 03025 issued October 25 1993.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.10 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are

required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

5. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install 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. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

6. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above 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 facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

7. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

8. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other

emissions unit(s).

9. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

Beech Hollow Sanitary Landfill

PTI Application: 06 06175

Issued

Facility ID: 0640020059

Emissions Unit ID: F002

10. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	0.45
PM	1.0 or less
VOC	62.8
HAPs	11.8
Methane	16308
NMOC	78.5
NO _x	209
CO	176
HCl	3.4

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Beech Hollow Sanitary Landfill

PTI Application: **06-06475**

Issued: 11/8/2001

Facility ID: **0640020059**

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Beech

PTI A₁

Issued: 11/8/2001

Emissions Unit ID: F002

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property,
and/or Equipment

Applicable Rules/Requirements

F002 - Existing Sanitary
Landfill to accept asbestos
waste. (Terms in this permit
supersede those identified in
PTI # 06-3025 issued
August 22, 1994)
(See A.I.2.a.below)

OAC rule 3745-31-05(A)(3)

OAC rule 3745-20,
40 CFR Part 61, Subparts A and M

40 CFR Part 60, Subpart WWW

40 CFR Part 63, Subpart AAAA

OAC rule 3745-19

Applicable Emissions
Limitations/Control
Measures

The requirements established pursuant to this rule are equivalent to the requirements of OAC Chapter 3745-20; 40 CFR Part 61, Subparts A and M; 40 CFR Part 60, Subpart WWW; and OAC Chapter 3745-19.

Emissions of non-methane organic compounds (NMOC) shall not exceed 78.5 TPY

Emissions of methane (CH₄) shall not exceed 19,820 TPY

Emissions of volatile organic compounds (VOC) shall not exceed 62.8 TPY (80%NMOC)

Total emissions of hazardous air pollutants (HAP) shall not exceed 11.8 TPY (15%NMOC)

Visible particulate emissions of non-asbestos fugitive dust (loadin and wind erosion) from this emissions unit shall not exceed 10 percent opacity as a six-minute

average.

Emissions of particulate shall not exceed 1 ton per year (from non-landfill gas sources).

Best available control measures shall be used that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See sections A.I.2.j through A.I.2.o)

See A.I.2.a through A.I.2.g below.

See A.I.2.h and A.I.2.i below.

See A.I.2.p. below.

See A.II.1 below.

2. Additional Terms and Conditions

- 2.a** There shall be no visible emissions from asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations.
- 2.b** Deposition and burial operations shall be conducted in a careful manner that prevents asbestos-containing materials from being broken up or dispersed before the materials are buried.
- 2.c** The permittee shall establish restricted access, adequate to deter the unauthorized entry of the general public and any unauthorized personnel, within 100 feet of the unloading, deposition, and burial areas of the asbestos-containing waste materials. A hazard warning shall be displayed on signs not less than 20 x 14 inches in size, posted so they are visible before entering an area with asbestos waste disposal operations in progress; or, alternatively, mark vehicles used to transport asbestos-containing waste materials with 20 x 14 inch signs so that the signs are displayed in such a manner and location that a person can easily read the legend. Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph.

Legend:

DANGER
ASBESTOS DUST HAZARD

CANCER AND LUNG DISEASE HAZARD
Authorized Personnel Only

Notation:

2.5 cm (1 inch) Sans Serif, Gothic or Block
2.5 cm (1 inch) Sans Serif, Gothic or Block
1.9 cm (3/4 inch) Sans Serif, Gothic or Block
14 Point Gothic

Spacing between any two lines must be at least equal to the height of the upper two lines.

- 2.d** The permittee shall cover and compact asbestos wastes in accordance with the following:
- i. As soon as practical after the placement of friable asbestos, but no later than the end of each working day, the asbestos-containing waste materials deposited at the site during the operating day shall be covered with at least 12 inches of non-asbestos-containing materials. Once the asbestos-containing materials are covered, the area may be compacted.
 - ii. Care shall be taken to ensure that disposed asbestos shall not be re-excavated in subsequent operations. Any accidentally exposed material shall be immediately

recovered in accordance with the provisions of condition (d)(i) above.

- iii. Asbestos-containing waste materials shall be separated from the landfill final grade by no less than 24 inches of compacted non-asbestos-containing materials and a permanent cover of vegetation, or in accordance with current requirements for closure, whichever is more stringent.
- 2.e** The permittee shall implement and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" ("Plan") consisting of: authorized personnel training, inspection and disposal operating procedures, non-conforming load response procedures, inventory and maintenance procedures for safety and emissions control equipment, record keeping procedures, and emergency notification procedures. Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times.
- 2.f** Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the Plan shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.
- 2.g** If this emissions unit is permanently closed, the permittee shall comply with all of the applicable provisions of OAC rule 3745-20-07.
- 2.h** If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, the permittee shall:
- i. submit a collection and control system design plan in accordance with 40 CFR 60.752(b)(2)(i), prepared by a professional engineer, within one year;
 - ii. install a collection and control system that effectively captures the gas generated within the landfill in accordance with 40 CFR 60.752(b)(2)(ii), within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 megagrams per year, as specified in 40 CFR 60.757(c)(1) or (2);
 - iii. route all the collected gas to a control system in accordance with 40 CFR 60.752(b)(2)(iii); and
 - vi. operate the collection system and control device in accordance with 40 CFR

60.753, 40 CFR 60.755, and 40 CFR 60.756.

If the permittee is required to install a collection and control system, it shall be necessary to modify this permit.

- 2.i** If this emissions unit is permanently closed, a closure notification, as provided for in 40 CFR Part 60.757(d), shall be submitted to the Ohio EPA, Southeast District Office.
- 2.j** The facility operation activities that are covered by this permit and subject to the above-mentioned requirements are listed below:
- Landfill operations associated with the load-in of MSW
Wind erosion from the surface of the landfill
- 2.k** The permittee shall employ best available control measures on all landfill operations associated with the load-in of MSW for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering of dusty materials, either prior to dumping or during dumping, and good operating practices to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.l** The above-mentioned control measures shall be employed for each active MSW landfill cell if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the control measures is unnecessary.
- 2.m** The permittee shall employ best available control measures for wind erosion from the surface of the landfill for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering dusty loads prior to dumping during periods of high wind speed to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.n** The above-mentioned control measures shall be employed for wind erosion from the surface of the landfill if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures shall not be necessary for a landfill cell that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.o** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of

OAC rule 3745-31-05.

- 2.p** Upon promulgation, the permittee shall comply with the requirements in 40 CFR Part 63, Subpart AAAA, National Emissions Standards for Hazardous Air Pollutants; Municipal Solid Waste Landfills.

II. Operational Restrictions

1. There shall be no open burning, in violation of OAC Chapter 3745-19, at this facility.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall inspect each load of asbestos-containing material delivered to the facility. The inspection shall consist of a visual examination to ensure that each shipment of asbestos-containing materials is received in intact, leak-tight containers labeled with appropriate hazard warning labels, the name of the waste generator, and the location of waste generation. The inspection also shall determine whether the waste shipment records accompany the consignment and accurately describe the waste material and quantity.

If on the basis of the inspection, the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Spill Contingency Plan," and the discrepancy shall be noted on the waste shipment records.

2. The permittee shall maintain records of the following information:
 - a. the waste shipment record form for each shipment of asbestos-containing materials; and
 - b. the location, depth and area, and quantity in cubic yards of all asbestos-containing materials within the disposal site, on a map or a diagram of the disposal area.
3. The permittee shall perform daily checks, when the weather conditions allow, for any visible particulate emissions from asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. the total duration of any visible emission incident; and

- c. any corrective actions taken to eliminate the visible emissions.
4. Pursuant to 40 CFR Part 60.758, this facility shall keep readily accessible, on-site, up-to-date records of the maximum design capacity of the landfill, the current amount of solid waste in place, and the year-by-year waste acceptance rate.
 5. The initial calculated nonmethane organic compound (NMOC) emission rate for this emissions unit was less than 50 megagrams (55 tons) per year. Pursuant to 40 CFR Part 60.757(b)(1)(ii), the permittee may submit a 5-year period NMOC emissions report in lieu of the annual recalculation of the NMOC emissions. The NMOC emission rate shall be calculated using either the equation provided in paragraph (a)(1)(i) or the equation provided in paragraph (a)(1)(ii) of 40 CFR Part 60.754, and the procedures specified in paragraph (a)(2), (a)(3), and (a)(4) of 40 CFR Part 60.754.
 6. Except as otherwise provided in this section, the permittee shall observe all MSW load-in operations and all SW storage piles and shall record the results of an representative inspection in accordance with the following frequencies:

<u>Landfill cell identification</u>	<u>minimum load-in inspection frequency</u>
Active cell(s)	Daily
 7. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from MSW landfill cell surfaces in accordance with the following frequencies:

<u>Landfill cell identification</u>	<u>Minimum wind erosion inspection frequency</u>
Active cell(s)	Daily
Closed cell(s)	Weekly
 8. No inspection shall be necessary for wind erosion from the surface of a MSW landfill cell when the cell is covered with snow and/or ice and for any landfill cell activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
 9. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in of a MSW landfill cell and wind erosion from the surface of a MSW landfill cell. The inspections shall be performed during representative, normal landfill operating conditions.
 10. The permittee may, upon receipt of written approval from the Southeast District Office of the Ohio EPA, modify the above-mentioned inspection frequencies if operating experience indicates

Issued: 11/8/2001

that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

11. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from landfill surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 11.d. shall be kept separately for (i) the load-in operations, and (ii) the landfill surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

12. The permittee shall comply with Ohio EPA's Air Toxics Policy and conduct air toxics screening modeling for HCl as part of the collection system and control plan.

IV. Reporting Requirements

1. The permittee shall submit quarterly reports summarizing the asbestos disposal activities. The reports shall contain the following information:
 - a. the name, address and location of the facility, the calendar period covered by the report, and any changes in the methods of storage or the disposal operations; and
 - b. a list of all asbestos-containing waste consignments received including: the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

These quarterly reports shall be submitted no later than January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

2. As soon as possible and no longer than 30 days after receipt of the waste, the permittee shall send

a copy of the signed waste shipment record to the waste generator.

3. Upon discovery of a discrepancy between the quantity of waste designated on a waste shipment record and the quantity actually received, the permittee shall attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the State, local, district, or USEPA regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the Ohio EPA Southeast District Office. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.
4. The permittee shall submit, upon closure of the facility, a copy of the records of the asbestos waste disposal locations and quantities.
5. The permittee shall notify the Ohio EPA Southeast District Office, in writing, at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. The following information shall be included in the notice:
 - a. scheduled starting and completion dates;
 - b. reason for disturbing the waste;
 - c. procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material (if deemed necessary, the Director may require changes in the proposed emission control procedures); and
 - d. location of any temporary storage site and the final disposal site.
6. The permittee shall notify the Ohio EPA Southeast District Office of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Spill Contingency Plan." Notification shall be provided as soon as possible by a phone contact, followed in writing by the next working day. The written notification shall provide a copy of the waste shipment record ("WSR"), if available, or when waste is not shipped with a WSR, provide available information concerning vehicle identification, source of the load, a description of the load, nature of discrepancy, and the location of disposal. If possible, non-conforming loads of suspect friable material shall be detained, or the location of disposal protected from damage, until the Ohio EPA is informed and provided the opportunity to inspect.
7. Except as provided for in section A.IV.8 below, the permittee shall submit annual NMOC emission rate reports as required by 40 CFR Part 60.757(b)(1). The reports shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in 40 CFR Part 60.754(a) or (b), as applicable, and all the data, calculations,

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sample reports and measurements used to estimate the annual or 5-year emissions. Upon installation of a collection and control system, reports of annual NMOC emissions are no longer required as provided in 40 CFR Part 60.757 (b)(3).

8. If the estimated NMOC emission rate, as reported in the annual report to the Ohio EPA Southeast District Office, is less than 50 megagrams (55 tons) per year in each of the next 5 consecutive years, the permittee may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Ohio EPA Southeast District Office. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Ohio EPA Southeast District Office. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.
9. The permittee shall submit semi-annual written reports that (a) identify all days during which any visible particulate emissions were observed from the asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Southeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. The permittee shall determine the NMOC emission rate annually using the procedures specified in 40 CFR 60.754(a) until such time as it is determined that the NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed.
2. Emissions shall not exceed the values shown in Section A.I.21. which are based on calculations described below. These calculations represent the highest emission rates which could occur based on landfill gas emission rates predicted by USEPA's Landfill estimation program and AP-42 emission factors. Control equipment has not yet been selected, therefore allowables are based on the worst-case assumptions. Since the allowable emission rates are theoretical maximums, no monitoring, recordkeeping or reporting is necessary.

Emissions predicted by USEPA's Landfill estimation model were based on proposed landfill capacity (9,590,000 Mg) divided equally over approximately 20 years of proposed operation at the maximum rate of 1,360 Mg per day (1500 tpd). The maximum gas generation predicted by the model was used with AP-42 emission factors for internal combustion engines and flares to calculate the maximum emissions if either of those options were chosen. The option yielding the highest emission rate was used as the allowable, as described below.

- a. NMOC: Emissions were predicted by USEPA's Landfill estimation model. The highest annual emission rate would be the third year after emissions exceed 50 Mg per year since

NSPS allows 30 months to install collection and controls after that rate is attained.

- b. CH₄: Emissions were predicted by USEPA's Landfill estimation model. The highest modeled year was used since methane is not required to be controlled.
 - c. NO_x: The total volume of CH₄ and NMOC predicted by USEPA's Landfill estimation model was calculated at 1,000 BTU/CF to be burned in an internal combustion engine to generate electricity. The AP-42 emission factor of 0.44 pound NO_x per mmBTU was used.
 - d. CO: The total volume of CH₄ and NMOC predicted by USEPA's Landfill estimation model was calculated at 1,000 BTU/CF to be burned in a flare. The AP-42 emission factor of 0.37 pound CO per mmBTU was used.
 - e. VOC : Emissions were calculated based on predictions from USEPA's Landfill estimation model and AP-42 equations (approximately 80 percent of NMOC emissions). The highest modeled year was used since VOC is not required to be controlled.
 - f. HAPs: Emissions were calculated based on predictions from USEPA's Landfill estimation model and AP-42 equations (approximately 15 percent of NMOC emissions). The highest modeled year was used since HAPs is not required to be controlled.
 - g. HCl: Emissions were calculated based on predictions from USEPA's Landfill estimation model and AP-42 equations. The highest modeled year was used since HCl is not required to be controlled.
3. If required, compliance with the visible emission limitation of 10% opacity as a 6 minute average, identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

4. Emission Limitation:

Fugitive particulate emissions (PE) from landfill operations shall not exceed 1 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by employing the emission factor (pounds per ton) derived from the equations in AP-42, Compilation of Air Pollution Emission Factors, Chapter 13.2.4-3

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(1/95), for aggregate handling and storage piles and applying a control factor of 50% for the application of water.

where: $E = k(0.0032) [(U/5)^{1.3} / (M/2)^{1.4}]$ in (pound [lb]/ton)

E = emission factor

k = particle size multiplier (dimensionless)

U = mean wind speed, meters per second (m/s) (miles per hour [mph])

M = material moisture content (%)

When $k=0.35$, $U=5.0$, $M=1.1$; $E = 0.00049 \text{ lb/t @ } 1500 \text{ tpd} = 0.73 \text{ lb/d or } 265 \text{ lb/yr watering } 50\% = 133 \text{ lb/yr}$

5. Emission Limitation:

no visible emissions

Applicable Compliance Method:

If required, compliance with the no visible emissions requirement specified in section A.I.2.a shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

1. Pursuant to the authority in OAC rule 3745-77-07(C)(2) or ORC section 3704.03(L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.
2. The terms and conditions contained in this PTI shall supersede the terms and conditions in PTI 06-3025 issued on August 22, 1994, pertaining to emission unit F002 and T001.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 - Existing Sanitary Landfill to accept asbestos waste. (modification to Combined PTI 06-3025)	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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Beech Hollow Sanitary Landfill

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Facility ID: **0640020059**

Emissions Unit ID: F002

None

Issued: 11/8/2001

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
T001 - 84000 Gallon Fixed Roof Leachate Storage Tank.	OAC rule 3745-21-09(L) 40 CFR Part 60, Subpart Kb	exempt (see A.II.1) (0.45 TPY OC) See A.II.1.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information:
 - a. The types of petroleum liquids stored in the tank.
 - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of becoming aware of the occurrence.

V. Testing Requirements

1. OC: Emissions were calculated based on predictions from USEPA's Tanks 4.09 program and analysis of leachate samples. The maximum emission rate was used since OC is not required to be controlled.

VI. Miscellaneous Requirements

1. The terms and conditions contained in this PTI shall supersede the terms and conditions in PTI 06-3025 issued on August 22, 1994, pertaining to emission unit F002 and T001.

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
T001 - 84000 Gallon Fixed Roof Leachate Storage Tank.	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None