



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-17102

Fac ID: 0332010095

DATE: 5/4/2006

Hancock County Landfill
Steve Trutt
10400 Township Road 107
Findlay, OH 45840

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 5/4/2006
Effective Date: 5/4/2006**

FINAL PERMIT TO INSTALL 03-17102

Application Number: 03-17102
Facility ID: 0332010095
Permit Fee: **\$400**
Name of Facility: Hancock County Landfill
Person to Contact: Steve Trutt
Address: 10400 Township Road 107
Findlay, OH 45840

Location of proposed air contaminant source(s) [emissions unit(s)]:
**10400 Allen Twp Road 107
Findlay, Ohio**

Description of proposed emissions unit(s):
Modification to increase AMDWR at the landfill.

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

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 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 (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, 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. If this permit is for an emissions unit located at a Title V facility, then 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.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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 re-issuance, or modification
- 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, 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 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

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

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 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 and the State and by citizens (to the extent allowed by section 304 of the Act) 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 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 ninety (90) 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.

12. Air Pollution Nuisance

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

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.

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

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

1. Compliance Requirements

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

2. Reporting 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 (i.e., postmarked) quarterly, 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.

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit 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.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit 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.

6. 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.

7. 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).

8. Construction Compliance Certification

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) 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.

9. 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., postmarked), 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)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
NMOC	55.0
PE	34.51
PM10	1.31

14

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Emissions Unit ID: F001

Facility ID: 061601000

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - Landfill Roadways and Parking Areas (modification of PTI #03-13664 issued on 6/13/2002 to increase emission limitations associated with an increase in the facility AMDWR)	OAC rule 3745-31-05(A)(3)	5.16 tons fugitive particulate emissions (PE) /yr
		1.31 tons fugitive particulate matter less than 10 microns (PM10) /yr
	OAC rule 3745-17-07(B)(1)	See A.I.2.j
paved roadways and parking areas (see Section A.I.2.a)	OAC rule 3745-17-08(B)(1)	See A.I.2.k
	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period
unpaved roadways and parking areas (see Section A.I.2.b)		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.I.2.c, and A.I.2.e through A.I.2.i)
	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for a period of time not to exceed three minutes during any 60-minute observation period
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.I.2.d through A.I.2.i)

2. Additional Terms and Conditions

- 2.a** The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
- all paved road segments and all paved parking areas
- 2.b** The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
- all unpaved road segments and all unpaved parking areas
- 2.c** The permittee shall employ best available control measures on all paved roadways and parking areas 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 treat the paved roadways and parking areas by watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d** The permittee shall employ best available control measures on all unpaved roadways and parking areas 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 treat the unpaved roadways and parking areas with watering or other suitable dust suppression chemicals, at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.f** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of

certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

- 2.g** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.h** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.i** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.j** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.k** The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas	minimum inspection frequency
All	Once per day of operation

Emissions Unit ID: F001

unpaved roadways and parking areas minimum inspection frequency
 All Once per day of operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area 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. 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.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. 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 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 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify the following:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result

of an inspection, was not implemented.

The permittee shall submit these reports in accordance with the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:
5.16 tons/yr fugitive PE

Applicable Compliance Method:

The emission limitation was established by multiplying AP-42 emission factors (see below) for paved and unpaved roadways [Section 13.2.1.2 (12/03) and Section 13.2.2.2 (12/03)], by the maximum vehicle miles traveled (VMT) as indicated below, and applying a control efficiency of 95% for use of best available control measures.

Paved roadways and parking areas - 0.69 lbs PE/VMT and 65,894 VMT

Unpaved roadways and parking areas - 2.86 lbs PE/VMT and 56,313 VMT

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

- b. Emission Limitation:
1.31 tons/yr fugitive PM10

Applicable Compliance Method:

The emission limitation was established by multiplying AP-42 emission factors (see below) for paved and unpaved roadways [Section 13.2.1.2 (12/03) and Section 13.2.2.2 (12/03)], by the maximum vehicle miles traveled (VMT) as indicated below, and applying a control efficiency of 95% for use of best available control measures.

Paved roadways and parking areas - 0.13 lbs PE/VMT and 65,894 VMT

Unpaved roadways and parking areas - 0.77 lbs PE/VMT and 56,313 VMT

Therefore, provided compliance is shown with the requirements of this permit to

Emissions Unit ID: F001

apply best available control measures, compliance with the ton per year PM10 limitation will be assumed.

- c. Emission Limitation:
no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period for paved roadways and parking areas

Applicable Compliance Method:

If required, compliance shall be demonstrated using test method 22 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- d. Emission Limitation:
no visible particulate emissions except for a period of time not to exceed three minutes during any 60-minute observation period for unpaved roadways and parking areas

Applicable Compliance Method:

If required, compliance shall be demonstrated using test method 22 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

22

Hance

PTI A

Issued: 5/4/2006

Emissions Unit ID: F001

VI. Miscellaneous Requirements

None

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>
F001 - Landfill Roadways and Parking Areas (modification of PTI #03-13664 issued on 6/13/2002 to increase emission limitations associated with an increase in the facility AMDWR)		

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

Hancock
PTI A
Issued: 5/4/2006

Emissions Unit ID: P901

None

VI. Miscellaneous Requirements

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
P901 - Municipal Solid Waste Landfill and associated landfill operations (modification of PTI #03-13664 issued on 6/13/2002 to increase emission limitations associated with an increase in the facility AMDWR)	40 CFR 63.1930 et seq. (MACT Subpart AAAAA) OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)(1)
	40 CFR 60.750 et seq. (NSPS Subpart WWW)

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Applicable Emissions
Limitations/Control
Measures

55.0 tons of nonmethane organic compounds (NMOC)/year (fugitive and passive venting)

21,142 tons of methane (CH₄)/year (fugitive and passive venting)

29.35 tons of fugitive particulate emissions (PE)/year

Visible fugitive PE shall not exceed 20% opacity as a three-minute average

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.1.2.e through A.1.2.h)

See A.1.2.c and sections A.III - A.V below.

none (See Section A.1.2.d)

none (See Section A.1.2.b)

none (See Section A.1.2.a)

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

2. Additional Terms and Conditions

- 2.a** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.b** This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.c** The permittee shall submit a collection and control system design plan, that complies with the requirements of NSPS Subpart WWW, to the Director within 1 year of the first report required under A.IV.1 in which the NMOC (non-methane organic compounds) emission rate exceeds 50 Mg/yr.
[40 CFR 60.752(b)(2), 40 CFR 60.757(c)]
- 2.d** This facility is not subject to 40 CFR Part 63, Subpart AAAA, pursuant to 40 CFR 63.1935.
- 2.e** The landfill fugitive dust operations/sources that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:
- i. solid waste and C& DD waste unloading
 - ii. waste spreading and compaction
 - iii. soil excavation and unloading
 - iv. cover soil loading, unloading, and spreading
 - v. wind erosion of cover soil
- 2.f** The permittee shall employ best available control measures for the above-identified landfill fugitive dust operations/sources for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

ensure compliance.

- 2.g** The above-mentioned control measures shall be employed 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 measures is unnecessary.

Implementation of the control measures shall not be necessary for fugitive dust sources which are 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.h** 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.i** The facility shall not accept for disposal any regulated asbestos containing material (RACM) as defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos, 40 CFR Part 61, Subpart M, Section 141 and OAC rule 3745-20, or any subsequent revisions to either rule. RACM is defined to include:

- i. friable asbestos material;
- ii. Category I nonfriable asbestos containing material that has become friable;
- iii. Category I nonfriable asbestos containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or
- iv. Category II nonfriable asbestos containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

For asbestos materials, the permittee shall be limited to accepting Category I nonfriable asbestos containing material that has not or will not be subjected to sanding, grinding, cutting, or abrading. The permittee shall ensure that any Category I nonfriable asbestos containing material which has not or will not be

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

subjected to sanding, grinding, cutting, or abrading shall not become friable during processing at the landfill. Any asbestos containing material that is or becomes friable is subject to the asbestos NESHAP regulation.
 [40 CFR Part 61, Subpart M & OAC 3745-20]

- 2.j** If any asbestos material arrives at the landfill from an unregulated residence and meets the description of regulated asbestos containing material as described in (a) through (d) above, the landfill shall:
- i. cause or permit no visible emissions to the outside air from the asbestos-containing waste materials during on-site transportation, transfer, deposition or compacting operations;
 - ii. assure that deposition and burial operations be conducted in a manner which prevents handling by equipment or persons that causes asbestos-containing waste materials to be broken-up or dispersed before the materials are buried;
 - iii. cover the asbestos-containing waste material with at least twelve inches of nonasbestos-containing material, as soon as practicable after deposition, but no later than at the end of the operating day; and
 - iv. assure that during the unloading, deposition, burial and initial compaction of asbestos-containing waste materials, the disposal site is restricted adequately to deter unauthorized entry of the general public and any unauthorized personnel to within one hundred feet of the operations.

2.k Hydrogen Sulfide Emissions Contingency Plan

As part of the best available technology requirements under OAC rule 3745-31-05(A)(3), Ohio EPA may request the permittee to develop and implement a hydrogen sulfide emissions contingency plan. If requested, the contingency plan shall meet the requirements detailed in rules developed in response to House Bill (H.B.) 397.

Under H.B. 397 signed by the governor December 22, 2005, Ohio EPA is required to develop rules governing the operation of construction and demolition debris (C&DD) landfills. One part of this bill requires Ohio EPA to require C&DD facilities to develop and implement a contingency plan for the effective action in response to hydrogen sulfide or other gas emissions. However, Ohio EPA believes it may become important for facilities other than C&DD landfills to have in place a contingency plan to deal with potential hazardous emissions. Therefore, as a condition of this permit, if requested, the permittee will be required to develop and implement a hydrogen sulfide / other gas emission contingency plan consistent with the requirements developed in response to H.B. 397.

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

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

[OAC 3745-19]

II Operational Restrictions

1. The permittee shall be limited to accepting no more than 24,000 tons of C & DD material (as defined in Ohio Revised Code 3714.01 (C)) per calendar year.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report required pursuant to 40 CFR 60.757, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either hardcopy or electronic formats are acceptable. These records may be also required by the OEPA, Division of Solid and Infectious Waste Management, and may satisfy this permit condition.

[40 CFR 60.758(a), OAC 3745-31-05(A)(3)]

2. The permittee's solid waste landfill has a design capacity greater than 2.5 million megagrams or 2.5 million cubic meters. As a result, the permittee shall calculate a NMOC emission rate for the landfill using the procedures specified in A.V.1 through A.V.6., and shall maintain records of such calculations. The NMOC emission rate shall be calculated annually, except as provided in A.IV.1.a.ii.

[40 CFR 60.752(b)(2)]

3. Except as otherwise provided in this section, the permittee shall perform inspections of the landfill fugitive dust operations/sources in accordance with the following frequencies:

fugitive dust operations/sources: minimum inspection frequency:

solid/C&DD waste unloading	twice daily (and not less than 4 hour apart) during operation
waste spreading and compaction	twice daily (and not less than 4 hour apart) during operation
soil excavation and unloading	twice daily (and not less than 4 hour apart) during operation
cover soil loading, unloading, and spreading	twice daily (and not less than 4 hour apart) during operation
wind erosion of cover soil	twice daily (and not less than 4 hour apart) during operation

4. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for particulate emissions. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a for a landfill fugitive dust operation/source 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

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

applicable requirements. Any required inspection that is not performed due to any of the above identified event shall be performed as soon as such event(s) has (have) ended, except if the next inspection is within one week.

5. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 'd' shall be kept separately for each landfill fugitive dust operation/source listed above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

6. The permittee shall maintain daily records of the following information:
 - a. The amount of C&DD material accepted by the landfill as defined in Ohio Revised Code 3714.01 (C), in tons per day.
 - b. The total annual, year to date, amount of C&DD material accepted by the landfill as defined in Ohio Revised Code 3714.01 (C), in tons per year (sum of e for each calendar day to date from January to December).

IV. Reporting Requirements

1. The permittee shall submit an annual NMOC emission rate report to the Director, except as provided for in A.IV.1.a.ii or A.IV.3. The Director may request such additional information as may be necessary to verify the reported NMOC emission rate.
 - a. The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in A.V.1 through A.V.5, as applicable.
 - i. The initial NMOC emission rate report may be combined with the initial design capacity report. Subsequent NMOC emission rate reports shall be submitted annually thereafter, except as provided for in A.IV.1.a.ii.

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

- ii. If the estimated NMOC emission rate as reported in the annual report to the Director is less than 50 Mg/yr 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 Director. 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 Director. 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.

The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.

- b. The permittee is exempted from the requirements of A.IV.1.a, after the installation of a collection and control system.
[40 CFR 60.757(b)]
2. The permittee shall submit a collection and control system design plan to the Director within 1 year of the first report required under A.IV.1 in which the emission rate exceeds 50 Mg/yr, except as follows:

If the permittee elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in A.V.3, and the resulting NMOC emission rate is less than 50 Mg/yr, annual periodic reporting shall be resumed. The resulting site-specific methane generation rate constant (k) shall be used in the emission rate calculation until such time as the emissions rate calculation results in an exceedance. The revised NMOC emission rate report based on the provisions of A.V.3 and the resulting site-specific methane generation rate constant (k) shall be submitted to the Director within 180 days of the first calculated emission rate exceeding 50 Mg/yr under Tier 2.
[40 CFR 60.757(c)(2)]
3. If the calculated NMOC emission rate is less than 50 megagrams per year (Mg/yr), the permittee shall:
 - a. submit an annual emission report to the Director, except as provided for in A.IV.1.a.ii; and

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

- b. Recalculate the NMOC emission rate annually using the procedures specified in A.V.1 until such time as the calculated NMOC emission rate is equal to or greater than 50 Mg/yr, or the landfill is closed.
[40 CFR 60.754(a)(3)]
4. If the NMOC emission rate, upon calculation (Tier 2) required in A.IV.1, is equal to or greater than 50 Mg/yr, the permittee shall comply with A.IV.4.a or A.IV.4.b as follows:
 - a. request the Ohio EPA District Office to reopen the Title V permit for review* and unless other arrangements are made with the director, the permittee shall submit a permit to install (PTI) application with the first annual report where the calculated NMOC emissions exceed 50 megagrams per year, in order to permit the facility for the collection and control system(s) required by the Standards of Performance for Municipal Solid Waste Landfills, Subpart WWW.
 - b. perform the Tier 3 emissions analysis and reporting as provided under 40 CFR 60.757(c)(2).

If the landfill is permanently closed, a closure notification shall be submitted to the Director as provided for in A.IV.5.

* If Title V permit reopening is applicable, the permittee shall also begin to concurrently plan to meet its further obligations under NSPS Subpart WWW to submit a Collection and Control System Design Plan within one year of the reported exceedance.
[40 CFR 60.754(a)(3)]

5. The permittee shall submit a closure report to the Division of Air Pollution Control at the appropriate Ohio EPA office of jurisdiction, within 30 days of waste acceptance cessation. Permanent closure shall be conducted in accordance with the requirements of 40 CFR 258.60; and the Ohio EPA may request additional information, as may be necessary, to verify that all of these conditions are met. If a closure report has been submitted to the Ohio EPA, no additional wastes may be placed into the landfill without filing a notification of modification as described in 40 CFR 60.7(a)(4). (additional requirements under OAC rule 3745-27-11(E) may apply)
[40 CFR 60.757(d)]
6. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. Each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. Each instance when a control measure that was to be implemented as a result of an

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

inspection was not implemented.

7. The permittee shall submit annual deviation (excursion) reports that summarize the total annual amount, in tons, of C&DD material accepted. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
8. Pursuant to the New Source Performance Standards (NSPS), the source owner/operator is hereby advised of the requirements to report the following at the appropriate times:
 - a. construction date (no later than 30 days after such date);
 - b. actual start-up date (within 15 days after such date); and
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

and

Ohio EPA, Northwest District Office
 347 North Dunbridge Road
 Bowling Green, OH 43402

V. Testing Requirements

1. The permittee shall calculate the NMOC emission rate using either the equation provided in A.V.1.a or the equation provided in A.V.1.b. Both equations may be used if the actual year-to-year solid waste acceptance rate is known, as specified in A.V.1.a, for part of the life of the landfill and the actual year-to-year solid waste acceptance rate is unknown, as specified in A.V.1.b, for part of the life of the landfill. The values to be used in both equations are 0.05 per year for k, 170 cubic meters per megagram for Lo, and the facility's Tier 2 value, 221.33 parts per million by volume as hexane (or a more recently determined and accepted Tier II value, if applicable) for the Cnmoc. For landfills located in geographical areas with a thirty-year annual average precipitation of less than 25 inches, as measured at the nearest representative official meteorologic site, the k value to be used is 0.02 per year.

- a. The following equation shall be used if the actual year-to-year solid waste acceptance rate is known.

$$M_{nmoc} = \sum (i = 1 \text{ to } n) \text{ of } 2(k)(L_o)(M_i)(e^{(-kti)})(C_{nmoc})(3.6 \times 10^{(-9)})$$

where,

M_{nmoc} = Total NMOC emission rate from the landfill, in megagrams per year

k = methane generation rate constant, in year⁽⁻¹⁾

L_o = methane generation potential, in cubic meters per megagram solid waste

M_i = mass of solid waste in the i th section, in megagrams

t_i = age of the i th section, in years

C_{nmoc} = concentration of NMOC, in parts per million by volume as hexane

$3.6 \times 10^{(-9)}$ = conversion factor

The mass of nondegradable solid waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value for M_i if documentation of the nature and amount of such wastes is maintained.

- b. The following equation shall be used if the actual year-to-year solid waste acceptance rate is unknown.

$$M_{nmoc} = 2(L_o)(R)(e^{(-kc)} - e^{(-k) t})(C_{nmoc})(3.6 \times 10^{(-9)})$$

where,

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

Mnmoc = mass emission rate of NMOC, in megagrams per year
 Lo = methane generation potential, in cubic meters per megagram solid waste
 R = average annual acceptance rate, in megagrams per year
 k = methane generation rate constant, in year⁽⁻¹⁾
 t = age of landfill, in years
 Cnmoc = concentration of NMOC, in parts per million by volume as hexane
 c = time since closure, in years (For an active landfill, c = 0 and e^(-kc) = 1.)
 3.6 x 10⁽⁻⁹⁾ = conversion factor

The mass of nondegradable solid waste may be subtracted from the average annual acceptance rate when calculating a value for R, if documentation of the nature and amount of such wastes is maintained.

[40 CFR 60.754(a)(1)]

2. For Tier 2, the permittee shall compare the calculated NMOC mass emission rate to the standard of 50 Mg/yr.
 - a. If the NMOC emission rate calculated in A.V.1 is less than 50 Mg/yr, then the permittee shall submit an emission rate report as provided in A.IV.1.a, and shall recalculate the NMOC mass emission rate annually.

The permittee shall also retest the site-specific NMOC concentration within 5 years of the original Tier 2 determination.

- b. If the calculated NMOC emission rate is equal to or greater than 50 Mg/yr, then the permittee shall request the Ohio EPA District Office to reopen the Title V permit for review, or determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using the procedures provided in A.V.3.

[40 CFR 60.754(a)(3)]

3. For Tier 3, a site-specific methane generation rate constant may be determined using the procedures provided in Method 2E of Appendix A of 40 CFR, Part 60. The permittee shall estimate the NMOC mass emission rate using equations in A.V.1.a or A.V.1.b and using a site-specific methane generation rate constant k instead of the default values provided in A.V.1. The permittee shall compare the resulting NMOC mass emission rate to the standard of 50 Mg/yr.

- a. If the NMOC mass emission rate as calculated using the site-specific methane generation rate and concentration of NMOC is equal to or greater than 50 Mg/yr, the

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

permittee shall request the Ohio EPA District Office to reopen the Title V permit for review.

- b. If the NMOC mass emission rate is less than 50 Mg/yr, then the permittee shall submit a periodic emission rate report as provided in A.IV.1.a and shall recalculate the NMOC mass emission rate annually, as provided in A.IV.1.a using the equations in A.V.1 and using the site-specific methane generation rate constant and NMOC concentration obtained in A.V.3. The calculation of the methane generation rate constant is performed only once, and the value obtained from this test shall be used in all subsequent annual NMOC emission rate calculations.

[40 CFR 60.754(a)(4)]

4. The permittee may use other methods to determine the site-specific k as an alternative to the methods required in A.V.3 if the method has been approved by the Administrator.

[40 CFR 60.754(a)(5)]

5. When calculating emissions for PSD purposes, the permittee shall estimate the NMOC emission rate for comparison to the PSD major source and significance levels in 40 CFR 51.166 or 40 CFR 52.21 using AP-42 or other approved measurement procedures.

[40 CFR 60.754(c)]

6. Compliance with the emissions limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:
 55.0 tons/yr NMOC (fugitive and passive venting)

Applicable Compliance Method:

The annual NMOC emission limitation was established in accordance with the emission rate of 50 Mg/yr established in 40 CFR Part 60 Subpart WWW. The permittee shall demonstrate compliance by the NMOC calculation requirements contained in section A.V.

- b. Emission Limitation:
 21,142 tons/yr methane CH₄ (fugitive and passive venting)

Applicable Compliance Method:

The annual emission limitation represents the maximum potential to emit based on AP-42, Chapter 2.4 (11/98), landfill gas generation equations. Maximum potential emissions will occur in the year 2035 and are based on the following:

- i. 2.562 x 10⁶ Mg refuse in place (2005)
- ii. annual waste acceptance rate of 194,591 Mg
- iii. maximum landfill capacity of 8.53 x 10⁶ Mg

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

- c. Emission Limitation:
29.35 tons of fugitive PE /year

This emission limitation was established by combining the emissions associated with the landfill fugitive dust operations /sources of:

- i. solid waste and C& DD waste unloading
- ii. waste spreading and compaction
- iii. soil excavation and unloading
- iv. cover soil loading, unloading, and spreading
- v. wind erosion of cover soil

The combined emissions were calculated using appropriate emission factors from AP-42 [Section 13.2.4 (01/95)] and USEPA's Control of Open Fugitive Dust Sources (9/98) and associated maximum material throughout, surface areas, etc.

Therefore, provided compliance is shown with the requirements associated with best available control measures, compliance with the annual limitation will be assumed.

- d. Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated using test method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

1. Authority to Enter

Pursuant to the authority of 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.

Emissions Unit ID: P901

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

2. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

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>
P901 - Municipal Solid Waste Landfill and associated landfill operations (modification of PTI #03-13664 issued on 6/13/2002 to increase emission limitations associated with an increase in the facility AMDWR)		

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

40

Hancock County Landfill
PTI Application: 03-17102
Issued: 5/4/2006

Facility ID: 061601000

None

VI. Miscellaneous Requirements

None