



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
COSHOCOTON COUNTY**

CERTIFIED MAIL

Street Address:

50 West Town Street, Suite 700

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

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 06-08421

Fac ID: 0616010081

DATE: 6/5/2008

Coshocton Sanitary Landfill
David Gallagher
19469 County Road No 7
Coshocton, OH 43812

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. 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, OH 43215

Sincerely,

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

CC: USEPA

SEDO



Permit To Install
Terms and Conditions

Issue Date: 6/5/2008
Effective Date: 6/5/2008

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 06-08421

Application Number: 06-08421
Facility ID: 0616010081
Permit Fee: **\$100**
Name of Facility: Coshocton Sanitary Landfill
Person to Contact: David Gallagher
Address: 19469 County Road No 7
Coshocton, OH 43812

Location of proposed air contaminant source(s) [emissions unit(s)]:
19469 County Road No 7
Coshocton, Ohio

Description of proposed emissions unit(s):
Administrative modification of the air permit portion of the combined air/solid waste PTI 06-05547; terms supersede air terms only of combined air/solid waste PTI 06-05547 issued 02/22/2002.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
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

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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 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.

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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.

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12. 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.

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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.

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

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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

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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

Pollutant	Total Tons Per Year
Particulate	122.8
VOC	42.3
HAPs	7.9
Methane	10845
NMOC	52.9

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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 - (F001) - Municipal solid waste landfill.
 Administrative modification of the air permit portion of the combined air/solid waste PTI 06-5547; terms supersede air terms only of combined air/solid waste PTI 06-5547 issued 02/22/2002.**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3) (Terms in this permit supersede the air terms only identified in permit to install (PTI) number 06-5547 issued February 22, 2002)	The requirements established pursuant to this rule also include compliance with the requirements of 40 CFR Part 60, Subpart WWW. Emissions of non-methane organic compounds (NMOC) shall not exceed 52.9 tons per year (TPY). Emissions of methane (CH4) shall not exceed 10845 TPY. Emissions of volatile organic compounds (VOC) shall not exceed 42.3 TPY. Total emissions of hazardous air pollutants (HAP) shall not exceed 7.9 TPY. Visible particulate emissions of fugitive dust 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. Best available control measures shall be used that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See sections A.I.2.d through A.I.2.i)
40 CFR Part 60, Subpart WWW	See A.I.2.a and A.I.2.b below.
40 CFR Part 60, Subpart AAAA	See A.I.2.c below.

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2. Additional Terms and Conditions

- 2.a** 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 Part 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 Part 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 Part 60.757©)(1) or (2);
 - iii. route all the collected gas to a control system in accordance with 40 CFR Part 60.752(b)(2)(iii); and
 - iv. operate the collection system and control device in accordance with 40 CFR Part 60.753, 40 CFR Part 60.755, and 40 CFR Part 60.756.

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

- 2.b** 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.c** 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.
- 2.d** 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.e** The permittee shall employ best available control measures on all landfill

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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.f** The above-mentioned control measures shall be employed for each 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.g** 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.h** 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.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 requirements of OAC Rule 3745-31-05.

II. Operational Restrictions

- 1. The permittee shall not accept or dispose of any friable asbestos or friable asbestos

Emissions Unit ID: F001

containing materials. The receipt of any friable asbestos or friable asbestos containing waste without proper approval of the Ohio EPA is a violation of the NESHAP for Asbestos (40 CFR Part 61, Subpart M) and OAC Chapter 3745-31.

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

III. Monitoring and/or Recordkeeping Requirements

- 1. 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.
- 2. The initial calculated NMOC emission rate for this emissions unit was less than 50 megagrams (55 tons) per year. Pursuant to 40 CFR Part 60.752(b), the permittee shall recalculate the NMOC emission rate annually. The NMOC emission rate shall be calculated using the procedures specified in 40 CFR Part 60.754(a)(1).
- 3. Except as otherwise provided in this section, the permittee shall perform inspections of each MSW load-in operation at each MSW storage pile in accordance with the following frequencies:

<u>Landfill cell identification</u>	<u>Minimum load-in inspection frequency</u>
Active cell(s)	Daily

- 4. 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

- 5. 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.
- 6. 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

Emissions Unit ID: F001

from the surface of a MSW landfill cell. The inspections shall be performed during representative, normal landfill operating conditions.

7. 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 7.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.

IV. Reporting Requirements

1. Except as provided for in Section A.IV.2. 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, sample reports and measurements used to estimate the annual or 5-year emissions. This report shall no longer be required when the collection system and control device are in operation, or the landfill is closed.
2. 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 five (5) consecutive years, the permittee may elect to submit an estimate of the NMOC emission rate for the next five (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 five (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 five (5) years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the five (5)-year estimate, a revised five (5)-year estimate shall be submitted to the Ohio EPA Southeast District

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Office. The revised estimate shall cover the five (5)-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

3. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day (week for closed cell) 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.

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V. Testing Requirements

1. Emissions shall not exceed the values shown in section A.I.1, based on the calculations and assumptions 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. The model indicated that NMOC emissions would not exceed the 50 Mg/yr threshold during the estimated 29 year life of this facility; therefore, no control equipment has been selected. Allowables are based on the worst-case assumptions. Since the allowable emission rates are theoretical maximums, no monitoring, record keeping or reporting requirements are necessary.

Emissions predicted by U.S. EPA's Landfill estimation model were based on receipt of the existing waste from the start of operations in 1997, through 1999, and the additional capacity of 10,277,716 cubic yards, filled at the anticipated daily waste receipt rate of 750 tons per day, for a net capacity of 11,261,706 cubic yards. The maximum gas generation predicted by the model was used to calculate the maximum emissions of NMOC, VOC and hazardous air pollutants (HAP).

- a. Emissions Limitation:

Emissions of NMOC shall not exceed 52.9 TPY.

Applicable Compliance Method:

Emissions were predicted by USEPA's Landfill estimation model. The highest annual emission rate predicted would be in 2028, one year prior to closure in 2029.

- b. Emissions Limitation:

Emissions of methane (CH₄) shall not exceed 10845 TPY.

Applicable Compliance Method:

Emissions were predicted by USEPA's Landfill estimation model. The highest annual emission rate predicted would be in 2028, one year prior to closure in 2029.

- c. Emissions Limitation:

Emissions Unit ID: F001

Emissions of VOC shall not exceed 42.3 TPY.

Applicable Compliance Method:

Emissions were predicted by USEPA's Landfill estimation model. The highest annual emission rate predicted would be in 2028, one year prior to closure in 2029.

d. Emissions Limitation:

Total emissions of HAP shall not exceed 7.9 TPY.

Applicable Compliance Method:

Emissions were predicted by USEPA's Landfill estimation model. The highest annual emission rate predicted would be in 2028, one year prior to closure in 2029.

2. Emission Limitation:

Visible particulate emissions of fugitive dust from this emissions unit shall not exceed 10 percent opacity as a six-minute average.

Applicable Compliance Method:

Compliance with the visible emission limitation identified above shall be determined in accordance with USEPA Method 9, with the modifications found in OAC rule 3745-17-03(B)(3)(a) and (b).

3. 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 (1/95), for aggregate handling and storage piles and applying a control factor of 50% for the application of water.

VI. Miscellaneous Requirements

None

Modification Issued: 6/5/2008

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.

**Operations, Property, and/or Equipment - (F001) - Municipal solid waste landfill.
Administrative modification of the air permit portion of the combined air/solid waste PTI 06-5547; terms supersede air terms only of combined air/solid waste PTI 06-5547 issued 02/22/2002.**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3) (Terms in this permit supersede the air terms only identified in permit to install (PTI) number 06-5547 issued February 22, 2002)	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

Modification Issued: 6/5/2008

Emissions Unit ID: F001

None

Modification Issued: 6/5/2008

VI. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC Rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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 -(F002) - Roadways parking areas; facility construction and operation activities including storage piles. Administrative modification of the air permit portion of the combined air/solid waste PTI 06-5547; terms supersede air terms only of combined air/solid waste PTI 06-5547 issued 02/22/2002.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
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<p>OAC rule 3745-31-05(A)(3)</p> <p>(Terms in this permit supersede the air terms only identified in permit to install (PTI) number 06-5547 issued February 22, 2002)</p>	<p>Paved roadways and parking areas:</p> <p>no visible particulate emissions except for one (1) minute during any 60-minute period for all paved roadways and parking areas unpaved roadways.</p> <p>(see section A.I.2.a)</p> <p>Unpaved roadways and parking areas:</p> <p>no visible particulate emissions except for three (3) minutes during any 60-minute period for all unpaved roadways and parking areas parking areas.</p> <p>(see section A.I.2.b)</p> <p>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.f and A.I.2.h through A.I.2.l)</p> <p>fugitive particulate emissions (PE) from roadways and parking areas shall not exceed 51.6 TPY.</p> <p>Facility construction, including storage piles:</p> <p>no visible particulate emissions except for three (3) minutes during any 60-minute period.</p> <p>(see section A.I.2.c)</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.g, A.I.2.h and A.I.2.j through A.I.2.l)</p> <p>fugitive PE from facility construction, including storage piles, shall not exceed 70.2 TPY.</p>
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2. Additional Terms and Conditions

2.a The paved roadways and parking areas that are covered by this permit and

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subject to the above-mentioned requirements are listed below:

paved roadways: Roadway #1

paved parking areas: none

- 2.b** The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways: Roadways #2 through #6

unpaved parking areas: none

- 2.c** The facility construction activities that are covered by this permit and subject to the above-mentioned requirements are listed below:

landfill subbase aggregate material handling, including storage piles;

landfill construction fill excavation and material handling;

landfill liner clay excavation and material handling; and

landfill daily cover excavation and material handling.

- 2.d** 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 permit application, the permittee has committed to treat the paved roadways and parking areas by sweeping at sufficient treatment frequencies to ensure compliance and enforce a 5 mph posted speed limit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.e** The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee has committed to treat the unpaved shoulders of all paved roadways with watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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- 2.f** 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 water spray and surface improvements at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.g** The permittee shall employ best available control measures on all construction areas, including storage piles, 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 construction areas, including storage piles, with water spray at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.h** 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 or construction area, including storage piles, 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.i** 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.j** 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.k** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for

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the materials being transported.

- 2.1 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.

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, parking areas and construction areas, including storage piles, in accordance with the following frequencies:

paved roadways/parking areas: roadway #1
minimum inspection frequency: daily

unpaved roadways/parking areas: roadways #2 through #6
minimum inspection frequency: daily

construction areas/storage piles: all
minimum inspection frequency: daily
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/operating conditions. No inspection shall be necessary for a roadway, parking area or construction 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 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

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- 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 section A.III.3.d shall be kept separately for (i) the paved roadways and parking areas, (ii) the unpaved roadways and parking areas and (iii) construction areas, including storage piles, 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 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 inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Terms and Conditions.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
 - no visible emissions except for one (1) minute during any 60-minute period, for all paved roadways and parking areas;
 - no visible emissions except for three (3) minutes during any 60-minute period, for all unpaved roadways and parking areas; and
 - no visible emissions except for three (3) minutes during any 60-minute period, for all construction areas, including storage piles.

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Applicable Compliance Method:

Compliance with the visible emissions limitation shall be demonstrated by the monitoring and recordkeeping in Section A.III. of this permit. If required, compliance shall be determined in accordance with USEPA Method 22, with the modifications found in OAC rule 3745-17-03(B)(4).

b. Emission Limitation:

Fugitive particulate emissions from roadways and parking areas shall not exceed 51.6 TPY.

Applicable Compliance Method:

Compliance shall be demonstrated by employing the emission factor (pounds per vehicle mile traveled) derived from the equations in AP-42, Compilation of Air Pollution Emission Factors, Chapter 13.2.1 (10/97), for paved roadways and parking areas, and Chapter 13.2.2 (9/98), for unpaved roadways and parking areas and applying a control factor of 80% for the application of water and surface improvements.

c. Emission Limitation:

Fugitive particulate emissions from facility construction, including storage piles, shall not exceed 70.2 TPY.

Applicable Compliance Method:

Compliance shall be demonstrated by employing the emission factors contained in "Air Resources Protection, Dust Emissions Estimate and Control Plan", No. 2540-FM-LRWM0391 a8/95; 1995; pg. 4, produced by the Commonwealth of Pennsylvania Department of Environmental Protection, Bureau of Land Recycling and Waste Management, and applying a control factor of 50% for the application of water.

VI. Miscellaneous Requirements

None

Modification Issued: 6/5/2008

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.

Operations, Property, and/or Equipment -(F002) - Roadways parking areas; facility construction and operation activities including storage piles. Administrative modification of the air permit portion of the combined air/solid waste PTI 06-5547; terms supersede air terms only of combined air/solid waste PTI 06-5547 issued 02/22/2002.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3) (Terms in this permit supersede the air terms only identified in PTI Number 06-5547 issued February 22, 2002)	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

Coshocton Sanitary Landfill

DTI Application: 06 08121

Facility ID: 0616010081

Emissions Unit ID: F002

None

VI. Miscellaneous Requirements

None