



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

9/28/2016

Certified Mail

Mr. David Murphy
Pike Sanitation Landfill
10795 Hughes Rd
Cincinnati, OH 45251-4598

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0666000003
Permit Number: P0120941
Permit Type: Administrative Modification
County: Pike

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**
- **What should you do if you notice a spill or environmental emergency?**

How to appeal this permit

The issuance of this PTI is a final action of the Director 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, made payable to "Ohio Treasurer Josh Mandel," 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
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

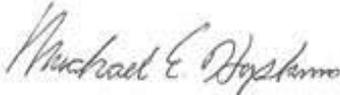
This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

What should you do if you notice a spill or environmental emergency?

Any spill or environmental emergency which may endanger human health or the environment should be reported to the Emergency Response 24-HOUR EMERGENCY SPILL HOTLINE toll-free at (800) 282-9378. Report non-emergency complaints to the appropriate district office or local air agency.

If you have any questions regarding your permit, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: U.S. EPA
Ohio EPA-SEDO; Kentucky; West Virginia



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
Pike Sanitation Landfill**

Facility ID:	0666000003
Permit Number:	P0120941
Permit Type:	Administrative Modification
Issued:	9/28/2016
Effective:	9/28/2016



Division of Air Pollution Control
Permit-to-Install
for
Pike Sanitation Landfill

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Final Permit-to-Install
Pike Sanitation Landfill
Permit Number: P0120941
Facility ID: 0666000003
Effective Date: 9/28/2016

Authorization

Facility ID: 0666000003
Facility Description: Municipal solid waste disposal facility.
Application Number(s): M0004047
Permit Number: P0120941
Permit Description: Administrative modification permit to reflect current facility operations and update emissions limitations for emission units F001 (MSW landfill with asbestos disposal) and F002 (roadways and parking areas).
Permit Type: Administrative Modification
Permit Fee: \$0.00
Issue Date: 9/28/2016
Effective Date: 9/28/2016

This document constitutes issuance to:

Pike Sanitation Landfill
11775 State Route 220 east
Waverly, OH 45690

of a Permit-to-Install for the emissions unit(s) identified on the following page.

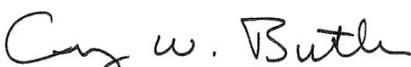
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section 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 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


Craig W. Butler
Director



Final Permit-to-Install
Pike Sanitation Landfill
Permit Number: P0120941
Facility ID: 0666000003
Effective Date:9/28/2016

Authorization (continued)

Permit Number: P0120941

Permit Description: Administrative modification permit to reflect current facility operations and update emissions limitations for emission units F001 (MSW landfill with asbestos disposal) and F002 (roadways and parking areas).

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:

Company Equipment ID:
Superseded Permit Number:
General Permit Category and Type:

F001

MSW Landfill with Asbestos Disposal
06-07372
Not Applicable

Emissions Unit ID:

Company Equipment ID:
Superseded Permit Number:
General Permit Category and Type:

F002

Roadways and Parking Areas
06-07372
Not Applicable



Final Permit-to-Install
Pike Sanitation Landfill
Permit Number: P0120941
Facility ID: 0666000003
Effective Date: 9/28/2016

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
 - (1) Standard Term and Condition A.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) 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.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

- a) 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.

4. Monitoring and Related Record Keeping 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:
 - (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) 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:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.

- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Southeast District Office. 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 A.15. below if no deviations occurred during the quarter.
 - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the Ohio EPA DAPC, Southeast District Office 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.
 - (4) This permit is for an emissions unit located at a Title V facility. 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.

5. 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 Ohio EPA DAPC, Southeast District Office 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).

6. Compliance Requirements

- a) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted

local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

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:
- (1) 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.
 - (2) 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.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) 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 Ohio EPA DAPC, Southeast District Office 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:
- (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. 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 Ohio EPA DAPC, Southeast District Office.
- 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 Ohio EPA DAPC, Southeast District Office. 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, 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.)

10. 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) not exempt from the requirement to obtain a Permit-to-Install.

11. Construction of New Sources(s) and Authorization to Install

- a) 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.
- b) If applicable, authorization to install any new 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 has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. 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 permittee shows good cause for any such extension.

- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

Unless otherwise exempted, no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

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 operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d) must be obtained before operating the source in a manner that would violate the existing Title V permit requirements.

13. Construction Compliance Certification

The applicant shall identify the following dates in the "Air Services" facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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 by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in "Air Services" once the transfer is legally completed. The change must be submitted through "Air Services" within thirty days of the ownership transfer date.

18. 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.

19. 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.



Final Permit-to-Install
Pike Sanitation Landfill
Permit Number: P0120941
Facility ID: 0666000003
Effective Date: 9/28/2016

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
 - a) None.
2. The following emissions unit contained in this permit is subject to 40 CFR Part 60, Subpart WWW: F001. The complete NSPS requirements, including NSPS General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.
3. The following emissions unit contained in this permit is subject to 40 CFR Part 61, Subpart M: F001. The complete NESHAP requirements, including NESHAP General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.



Final Permit-to-Install
Pike Sanitation Landfill
Permit Number: P0120941
Facility ID: 0666000003
Effective Date:9/28/2016

C. Emissions Unit Terms and Conditions

1. F001, Refuse and Asbestos Handling and Disposal

Operations, Property and/or Equipment Description:

Municipal solid waste (MSW) landfill with an authorized maximum daily waste receipt (AMDWR) of 2,000 tons; includes the acceptance and deposition of MSW and the handling of regulated asbestos-containing material with a final landfill capacity of 20,507,688 tons of compacted waste; administrative modification of PTI 06-07372 issued April 6, 2004 to reflect current facility operations and update emissions limitations.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b(1)f. and d)(8)-(10).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC Rule 3745-31-05(A)(3)	<p>Non-methane organic compound (NMOC) emissions shall not exceed 78.10 tons per year (TPY).</p> <p>Methane (CH₄) emissions shall not exceed 12,114 TPY.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 31.00 TPY.</p> <p>Carbon monoxide (CO) emissions shall not exceed 5.92 TPY.</p> <p>Total hazardous air pollutant (HAP) emissions shall not exceed 15.21 TPY.</p> <p>Fugitive particulate emissions (PE) shall not exceed 52.89 TPY.</p> <p>Fugitive emissions of particulate matter less than 10 microns (PM₁₀) shall not exceed 22.01 TPY.</p> <p>Fugitive PE from non-asbestos operations shall not exceed 10% opacity</p>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>as a three-minute average.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.</p> <p>See b)(2)a.-b)(2)d. and c)(2)-c)(3) below.</p> <p>The requirements of this rule include compliance with OAC Chapters 3745-19 and 3745-20, 40 CFR Part 60, Subparts A and WWW, and 40 CFR Part 61, Subparts A and M.</p>
b.	OAC rules 3745-17-07(B)(1) and 3745-17-08(B)	See b)(2)e. below.
c.	OAC Chapter 3745-19	See c)(1) below.
d.	<p>OAC Chapter 20 and 40 CFR Part 61, Subparts A and M (40 CFR 61.1-19 and 61.140-157)</p> <p>[In accordance with 40 CFR 61.150 and 61.154, this facility is an active waste disposal site that receives asbestos-containing waste material from manufacturing, fabricating, demolition, renovation, and spraying operations.]</p>	See b)(2)f. and b)(2)g. below.
e.	<p>40 CFR Part 60, Subparts A and WWW (40 CFR 60.1-19 and 60.750-759)</p> <p>[In accordance with 40 CFR 60.750(a) and 60.752(b), this facility is a MSW landfill that commenced construction, reconstruction or modification on or after May 30, 1991 and has a design capacity greater than 2.5 million megagrams and 2.5 million meterscubed (m³).]</p>	See b)(2)h. and b)(2)i. below.
f.	OAC rule 3745-114-01	See d)(8)(10) below.

(2) Additional Terms and Conditions

- a. The landfill fugitive dust operations/sources that are covered by this permit and subject to the above-mentioned requirements are listed below:

MSW dumping/unloading
MSW compaction
Overburden excavation – bulldozing
Overburden load-in to trucks
Overburden truck dumping to storage pile(s)
Overburden storage pile wind erosion
Overburden load-out from storage pile(s) to trucks
Overburden daily cover spreading – bulldozing
Structural fill dumping/placement
Structural fill spreading and compacting – bulldozing
Working face exposed area wind erosion
Excavated area wind erosion
Storage pile load-in, load-out and wind erosion

- b. The permittee shall employ best available control measures from all landfill operations (waste unloading, waste covering, excavation, all construction areas, and wind erosion) 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.
- c. 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 facility activities that 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- d. 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.
- e. This facility is located in Pike County, which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions from this emissions unit are exempt from the fugitive dust control requirements and visible emission limitation established in OAC rules 3745-17-08(B) and 3745-17-07(B), respectively.
- f. The facility can accept for disposal any regulated asbestos-containing material (RACM) as defined in 40 CFR 61.141 and/or OAC rule 3745-20-01(B)(42) which includes:
 - i. friable asbestos material;
 - ii. Category I non-friable asbestos-containing material that has become friable;

- iii. Category I non-friable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or
 - iv. Category II non-friable 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.
- g. Each owner or operator of an active asbestos waste disposal site shall cause or permit no visible emissions to the outside air, or shall comply with the requirements of paragraph (B) of OAC rule 3745-20-06, 40 CFR 61.154(c) or (d) and c)(4) below.
 - h. Each owner or operator of an MSW landfill having a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with 40 CFR 60.752(b)(2) or calculate an NMOC emission rate for the landfill using the procedures specified in 40 CFR 60.754.
 - i. After the collection and control system is required to be installed pursuant to 40 CFR 60.752(b)(2), the permittee must comply with 40 CFR Part 60, Subpart WWW at all times, except during periods of start-up, shutdown, or malfunction that do not exceed 5 days for collection systems and 1 hour for treatment or control devices.
- c) Operational Restrictions
- (1) There shall be no open burning, in violation of OAC Chapter 3745-19, at this facility.
 - (2) The permittee shall maintain and implement an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" ("Plan") consisting of: authorized personnel training, inspection and disposal operating procedures, non-conforming load response procedures, inventory and maintenance procedures for safety and emissions control equipment, record keeping procedures, and emergency notification procedures. Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times.
 - (3) Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the Plan shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.
 - (4) Rather than meet the no visible emissions requirements of OAC rule 3745-20-06(A) and 40 CFR 61.154(a), each owner or operator of an active asbestos waste disposal site that receives waste that contains asbestos-containing material shall comply with the following:
 - a. There shall be no visible emissions from asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations.

- b. Deposition and burial operations shall 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.
- c. As soon as practicable after deposition of the asbestos-containing waste materials but no later than at the end of each operating day, the asbestos-containing waste material deposited at the site during the operating day shall be covered with at least twelve inches of compacted nonasbestos-containing material. Alternatively, an owner or operator of an active waste disposal site may apply for approval of the director to utilize alternative control methods to bind dust, control wind erosion or convert asbestos to non-friable forms.
- d. During the unloading, deposition, burial and initial compaction of asbestos-containing waste materials, the owner or operator of the active waste disposal site shall establish a restricted area adequate to deter the unauthorized entry of the general public and any unauthorized personnel from any location within one hundred feet of the operations; and
- e. The following information shall be displaced on a sign not less than twenty by fourteen inches, so that it is visible at all entrances and at intervals of three hundred feet or less along the property line or fencing immediately surrounding the restricted area using letter sizes and styles of a visibility at least equal to the following specifications: one inch sans serif, gothic or block in the first and second line; and at least three-fourths inches sans serif, gothic or block in the third line; and fourteen point gothic in the fourth line. Spacing between any two lines must be at least equal to the height of the upper of the two lines:

“ASBESTOS WASTE DISPOSAL SITE

DO NOT CREATE DUST

BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH”

- (5) Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as outlined in c)(4)e. above and the perimeter of the active site where asbestos-containing material is being deposited must be fenced in a manner adequate to deter access by the general public, or the requirements of paragraph (c)(1) of 40 CFR 61.154 must be met.
- (6) Upon closure, the owner or operator of an active waste disposal site shall comply with the standards for inactive waste disposal sites for asbestos mills and manufacturing and fabricating operations in OAC rule 3745-20-07 and 40 CFR 61.151.
- (7) The permittee shall comply with the applicable restrictions under 40 CFR Part 60, Subparts A and WWW, including the following sections:

60.752(b)(1)(ii)(A) and 60.752(b)(2)	If the annual, recalculated or estimated NMOC emission rate is equal to or greater than 50 megagrams (55.1 tons) per year:
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	<p>i. Submit, within one year, a collection and control system design plan in accordance with 40 CFR 60.752(b)(2)(i); and</p> <p>ii. Install a collection and control system that captures the gas generated within the landfill, as required by 40 CFR 60.752(b)(2)(ii)(A) or (B) and (b)(2)(iii), within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 megagrams per year, as specified in 40 CFR 60.757(c)(1) or (2).</p> <p>iii. Route all the collected gas to a control system that complies with the requirements in 40 CFR 60.752(b)(2)(iii)(A), (B) or (C).</p> <p>iv. Operate the collection and control device installed to comply with 40 CFR Part 60, Subpart WWW in accordance with the provisions of 40 CFR 60.753, 60.755 and 60.756.</p>
60.752(b)(2)(v)	<p>The collection and control system used to comply with the provisions of 40 CFR 60.752(b)(2)(ii) may be capped or removed provided that all of the following conditions are met:</p> <p>The landfill shall be a closed landfill as defined in 40 CFR 60.751. A closure report shall be submitted to the Administrator as provided in 40 CFR 60.757(d);</p> <p>The collection and control system shall have been in operation a minimum of 15 years; and</p> <p>Following the procedures specified in 40 CFR 60.754(b), the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year (55.1 TPY) on 3 successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.</p>

60.753	Each owner or operator of an MSW landfill with a gas collection and control system used to comply with the provisions of 40 CFR 60.752(b)(2)(ii) shall comply with the applicable operational standards in 60.753.
60.759(a)	Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the procedures in 40 CFR 60.759(a) unless alternative procedures have been approved as provided in 40 CFR 60.752(b)(2)(i)(C) and (D).
60.759(b)	Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i)(A) shall construct the gas collection devices using the equipment or procedures in 40 CFR 60.759(b).
60.759(c)	Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 40 CFR 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the procedures in 60.759(c).

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations. The presence or absence of any visible fugitive particulate emissions shall be noted in an operations log. If visible fugitive particulate emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to eliminate the visible emissions.

- (2) Except as otherwise provided in this section, the permittee shall perform inspections for fugitive dust from the non-asbestos landfill operations/sources in accordance with the following frequencies:

<u>landfill fugitive dust operations/sources</u>	<u>minimum inspection frequency</u>
All	Once during each day of normal operation

- (3) 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 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 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 inspection is within one week.

The permittee may, upon receipt of written approval from the Ohio EPA Southeast District Office, 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. Such modified inspection frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

- (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 measure(s);
 - 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 in d)(4) above shall be kept separately for the landfill fugitive dust operations/sources (such as waste unloading, waste covering and compaction, excavation, construction areas, and wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (5) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:
- a. Maintain waste shipment records and conform to the procedures required in OAC rule 3745-20-05(E).

- b. Maintain until closure records of the location, depth, area, and quantity in cubic yards of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.
 - c. Retain a copy of all other records and reports required by this chapter for at least two years (five years for a Title V facility).
 - d. Furnish all records required under OAC rule 3745-20-06 upon request and make them available during normal business hours for inspection by the director or the director's representative.
- (6) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 61, Subparts A and M, including the following sections:

61.154(e)(1)	Maintain waste shipment records for all asbestos-containing waste material received.
61.154(e)(4)	Retain a copy of all records and reports for at least two years (five years for a Title V facility).
61.154(f)	Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.
61.154(i)	Furnish, upon request, and make available during normal business hours for inspection the records required under 40 CFR 61.154.

- (7) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 60, Subparts A and WWW, including the following sections:

60.752(b)	The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR 60.757(b)(1)(ii), using the procedures specified in 40 CFR 60.754, until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed.
60.754(a)(1)	The landfill owner or operator shall calculate the NMOC emission rate using either the equation provided in 40 CFR

	60.754(a)(1)(i) or 60.754(a)(1)(ii).
60.754(a)(2)	<p><i>Tier 1.</i> Compare the calculated NMOC mass emission rate to the standard of 50 megagrams per year.</p> <p>If the NMOC emission rate calculated is less than 50 megagrams per year, recalculate the NMOC mass emission rate annually as required under 40 CFR 60.752(b)(1).</p> <p>If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, either comply with 40 CFR 60.752(b)(2), or determine a site-specific NMOC concentration and recalculate the NMOC emission rate using the procedures provided in 40 CFR 60.754(a)(3).</p>
60.754(a)(3)	<p><i>Tier 2.</i> Determine the NMOC concentration using the sampling procedures in 40 CFR 60.754(a)(3).</p> <p>Recalculate the NMOC mass emission rate using the equations provided in 40 CFR 60.754(a)(1)(i) or (a)(1)(ii) using the average NMOC concentration from the collected samples instead of the default value in the equation provided in 40 CFR 60.754(a)(1).</p> <p>If the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, comply with 40 CFR 60.752(b)(2), or determine the site-specific methane generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate using the procedure specified in 40 CFR 60.754(a)(4).</p> <p>If the NMOC mass emission rate using the site-specific NMOC concentration is less than 50 megagrams per year, retest the site-specific NMOC concentration every 5 years using the methods specified in 40 CFR 60.754(a)(3).</p>

60.754(a)(4)	<p><i>Tier 3.</i> Determine the site-specific methane generation rate constant using the procedures provided in Method 2E of Appendix A of 40 CFR Part 60.</p> <p>Estimate the NMOC mass emission rate using equations in 40 CFR 60.754(a)(1)(i) or (a)(1)(ii) and using a site-specific methane generation rate constant <i>k</i>, and the site-specific NMOC concentration as determined in 40 CFR 60.754(a)(3), instead of the default values provided in 40 CFR 60.754(a)(1).</p> <p>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 megagrams per year, comply with 40 CFR 60.752(b)(2).</p> <p>If the NMOC mass emission rate is less than 50 megagrams per year, recalculate the NMOC mass emission rate annually, as provided in 40 CFR 60.757(b)(1), using the equations in 40 CFR 60.754(a)(1) using the site-specific methane generation rate constant and NMOC concentration obtained pursuant to 40 CFR 60.754(a)(3).</p>
60.754(b)	<p>After installation of a collection and control system in compliance with 40 CFR 60.755, calculate the NMOC emission rate for purposes of determining when the system can be removed as provided in 40 CFR 60.752(b)(2)(v), using the equation in 40 CFR 60.754(b).</p>
60.756(a)	<p>Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(ii)(A) for an active gas collection system shall install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead and:</p> <p>(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3);</p>

	<p>(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and</p> <p>(3) Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5).</p>
60.756(b)	Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) using an enclosed combustor shall calibrate, maintain, and operate the equipment in 40 CFR 60.756(b) according to the manufacturer's specifications.
60.756(c)	Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) using an open flare shall install, calibrate, maintain, and operate the equipment in 40 CFR 60.756(c) according to the manufacturer's specifications.
60.756(d)	Each owner or operator seeking to demonstrate compliance with 40 CFR 60.752(b)(2)(iii) using a device other than an open flare or an enclosed combustor shall provide information as provided in 40 CFR 60.752(b)(2)(i)(B) describing the operation of the control device, the operating parameters that would indicate proper performance, and appropriate monitoring procedures.
60.756(e)	Each owner or operator seeking to install a collection system that does not meet the specifications in 40 CFR 60.759 or seeking to monitor alternative parameters to those required by 40 CFR 60.753 through 60.756 shall provide information as provided in 40 CFR 60.752(b)(2)(i)(B) and (C) describing the design and operation of the collection system, the operating parameters that would indicate proper performance, and appropriate monitoring procedures.
60.756(f)	Each owner or operator seeking to demonstrate compliance with 40 CFR 60.755(c), shall monitor surface

	<p>concentrations of methane according to the instrument specifications and procedures provided in 40 CFR 60.755(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.</p>
60.757(d)	<p>If a closure report has been submitted, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR 60.7(a)(4).</p>
60.758(a)	<p>Keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered 40 CFR 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate, except as provided in 40 CFR 60.752(b)(2)(i)(B).</p>
60.758(b)	<p>For controlled landfills, keep up-to-date, readily accessible records for the life of the control equipment of the data listed in 40 CFR 60.758(b)(1) through (b)(4) as measured during the initial performance test or compliance determination, except as provided in 40 CFR 60.752(b)(2)(i)(B).</p>
60.758(c)	<p>For controlled landfills, keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 40 CFR 60.756, as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded, except as provided in 40 CFR 60.752(b)(2)(i)(B).</p>
60.758(d)	<p>For controlled landfills, keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and</p>

	providing a unique identification location label for each collector, except as provided in 40 CFR 60.752(b)(2)(i)(B).
60.758(e)	For controlled landfills, keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance, except as provided in 40 CFR 60.752(b)(2)(i)(B).

- (8) The permit to install for emissions unit F001 was evaluated based on the design parameters of the emissions units, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Toluene

TLV (mg/m3): 75.4

Maximum Hourly Emission Rate (lbs/hr): 1.24

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 194.9

MAGLC (ug/m3): 1,794

- (9) Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(SSS)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (SSS)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

- (10) The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
 - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly reports summarizing the asbestos disposal activities. The reports shall contain the following information:
 - a. the name, address and location of the facility, the calendar period covered by the report, and any changes in the methods of storage or the disposal operations; and
 - b. a list of all asbestos-containing waste consignments received including: the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

The quarterly reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

- (3) The permittee shall notify the Ohio EPA Southeast District Office of any load of asbestos containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Spill Contingency Plan." Notification shall be provided as soon as possible by a phone contact, followed in writing by the next working day. The written notification shall provide a copy of the waste shipment record ("WSR"), if available, or when waste is not shipped with a WSR, provide available information concerning vehicle identification, source of the load, a description of the load, nature of discrepancy, and the location of disposal. If possible, nonconforming loads of suspect friable material shall be detained, or the location of disposal protected from damage, until the Ohio EPA is informed and provided the opportunity to inspect.
- (4) Upon receiving the asbestos waste shipment, the waste disposal site operator shall:
 - a. Sign and date the waste shipment record making note of any improperly contained asbestos-containing waste material or any discrepancy in the quantity or waste received on the discrepancy indication space and provide a copy of the waste shipment record to the transporter for the transporter's receipt and records.
 - b. As soon as possible and no longer than 30 days after receipt of the asbestos waste, the permittee shall send a copy of the signed waste shipment record to the waste generator.
 - c. Upon discovery of a discrepancy between the quantity of asbestos waste designated on a waste shipment record and the quantity actually received, the permittee shall attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the State, local, district, or USEPA regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the Ohio EPA Southeast District Office. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.
- (5) The permittee shall submit, upon closure of the facility, a copy of the records of the asbestos waste disposal locations and quantities.
- (6) The permittee shall notify the Ohio EPA Southeast District Office, in writing, at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. The following information shall be included in the notice:
 - a. scheduled starting and completion dates;
 - b. reason for disturbing the waste;
 - c. procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste

material (if deemed necessary, the Director may require changes in the proposed emission control procedures); and

- d. location of any temporary storage site and the final disposal site.
- (7) The permittee shall submit semiannual reports that (a) identify all days during which any visible PE was observed from the asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations and (b) describe any corrective actions taken to eliminate the visible particulate emissions. The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
- (8) The permittee shall submit semiannual written reports that identify:
 - a. each day during which an inspection of the non-asbestos material processing and handling operations was not performed by the required frequency excluding those inspections that were not performed due to 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.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

- (9) The permittee shall submit notifications and reports to the appropriate Ohio EPA District office as required pursuant to 40 CFR Part 61, Subparts A and M, per the following sections:

61.153 and 61.10	Provide the applicable information in 40 CFR 61.10(a) and 61.153 in writing within 90 days after the effective date of 40 CFR Subpart M.
61.154(e)(2)	Send a copy of the signed waste shipment record to the waste generator as soon as possible but no longer than 30 days after receipt of the waste.
61.154(e)(3)	Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP

	<p>program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.</p>
61.154(h)	<p>Upon closure of the facility, submit a copy of records of asbestos waste disposal locations and quantities.</p>
61.154(j)	<p>Notify the Administrator in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Administrator at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:</p> <ul style="list-style-type: none"> (1) Scheduled starting and completion dates. (2) Reason for disturbing the waste. (3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the Administrator may require changes in the emission control procedures to be used. (4) Location of any temporary storage site and the final disposal site.

- (10) The permittee shall submit notifications and reports to the appropriate Ohio EPA District office as required pursuant to 40 CFR Part 60, Subparts A and WWW, per the following sections:

60.752(b)(1)(i), 60.754(a)(2)(i) and 60.757(b)(1)	If the calculated NMOC emission rate is less than 50 megagrams per year, submit an annual emission report except as provided in 40 CFR 60.757(b)(1)(ii).
60.754(a)(3)(iii) and 60.757(b)(1)	If the NMOC mass emission rate calculated using the site-specific NMOC concentration is less than 50 megagrams per year, submit a periodic estimate of the emission rate report required in 40 CFR 60.757(b)(1).
60.754(a)(4)(ii) and 60.757(b)(1)	If the NMOC mass emission rate calculated using the site-specific methane generation rate and concentration of NMOC is less than 50 megagrams per year, submit a periodic emission rate report required in CFR 60.757(b)(1).
60.757(a)(1) and (2)	Submit an initial design capacity report no later than ninety days after the date of commenced construction, modification or reconstruction. This notification shall fulfill the requirements of 40 CFR 60.7(a)(1). The initial design capacity report shall contain the information in 40 CFR 60.757(a)(2).
60.757(b)	Submit an NMOC emission rate report initially and annually thereafter, except as provided in 40 CFR 60.757(b)(1)(ii) or (b)(3). The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.
60.757(b)(1)(i)	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 40 CFR 60.754(a) or (b), as applicable.
60.757(b)(1)(ii)	If the estimated NMOC emission rate as reported in the annual report is less than 50 megagrams per year in each of the next 5 consecutive years, you may submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the

	<p>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.</p> <p>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. 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.</p>
60.757(b)(2)	Include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions in the NMOC emission rate report.
60.757(c)	Each owner or operator subject to the provisions of 40 CFR 60.752(b)(2)(i) shall submit a collection and control system design plan within 1 year of the first report required under 40 CFR 60.757(b) in which the emission rate equals or exceeds 50 megagrams per year, except as provided in 40 CFR 60.757(c).
60.757(d)	Each owner or operator of a controlled landfill shall submit a closure report meeting the requirements of 40 CFR 60.757(d) within 30 days of waste acceptance cessation.
60.757(e)	Each owner or operator of a controlled landfill shall submit an equipment removal report 30 days prior to removal or cessation of operation of the control equipment. The equipment removal report shall contain all of the items in 40 CFR 60.757(e).
60.757(f)	Each owner or operator of a landfill seeking to comply with 40 CFR 60.752(b)(2) using an active collection

	<p>system designed in accordance with 40 CFR 60.752(b)(2)(ii) shall submit annual reports of the recorded information in 40 CFR 60.757(f)(1) through (f)(6). The initial annual report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR 60.8.</p>
60.757(g)	<p>Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) shall include the information in 40 CFR 60.757(g) with the initial performance test report required under 40 CFR 60.8.</p>

f) **Testing Requirements**

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

NMOC emissions shall not exceed 78.10 TPY.

Applicable Compliance Method:

The emissions limitation was established using the Landfill Gas (LFG) Emissions Model (LandGEM) version 3.02 landfill gas generation results for a maximum landfill capacity of 18,604,146 Mg of compacted waste, 2,000 tons per day AMDWR and AP-42 emission factors from Section 2.4, Municipal Solid Waste Landfills (11/98).

These calculations represent the highest emission rate which could occur in 2019, the third year after NMOC emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

b. Emissions Limitation:

CH₄ emissions shall not exceed 12,114 TPY.

Applicable Compliance Method:

The emissions limitation was established using the LandGEM version 3.02 results for a maximum landfill capacity of 18,604,146 Mg of compacted waste, 2,000 tons per day AMDWR, AP-42 emission factors from Section 2.4, Municipal Solid Waste Landfills (11/98) and a LFG methane concentration of 50%.

These calculations represent the highest emission rate which could occur in 2019, the third year after NMOC emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

c. Emission Limitation:

VOC emissions shall not exceed 31.00 TPY.

Applicable Compliance Method:

The emissions limitation was established using a summation of the LandGEM version 3.02 emissions results for VOC pollutants using gas/pollutant default parameters and a maximum landfill capacity of 18,604,146 Mg of compacted waste, 2,000 tons per day AMDWR and AP-42 emission factors from Section 2.4, Municipal Solid Waste Landfills (11/98).

These calculations represent the highest emission rates which could occur in 2019, the third year after NMOC emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

d. Emissions Limitation:

CO emissions shall not exceed 5.92 TPY.

Applicable Compliance Method:

The emissions limitation was established using the LandGEM version 3.02 results for CO emissions using gas/pollutant default parameters and a maximum landfill capacity of 18,604,146 Mg of compacted waste, 2,000 tons per day AMDWR and AP-42 emission factors from Section 2.4, Municipal Solid Waste Landfills (11/98).

These calculations represent the highest emission rates which could occur in 2019, the third year after NMOC emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

e. Emissions Limitation:

Total HAP emissions shall not exceed 15.21 TPY.

Applicable Compliance Method:

The emissions limitation was established using a summation of the LandGEM version 3.02 results for HAP emissions using gas/pollutant default parameters and a maximum landfill capacity of 18,604,146 Mg of compacted waste, 2,000 tons per day AMDWR and AP-42 emission factors from Section 2.4, Municipal Solid Waste Landfills (11/98).

These calculations represent the highest emission rates which could occur in 2019, the third year after NMOC emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

f. Emission Limitation:

Fugitive PE shall not exceed 52.89 TPY.

Applicable Compliance Method:

The emissions limitation was established using the inputs and calculations presented in the permittee's application and the emissions factor equations in AP-42 Table 11.9-1 (10/98) for bulldozing and compacting, AP-42 Table 11.9-4 (10/98) for exposed area wind erosion, AP-42 Section 11.19.2 (8/04) for construction gravel material handling, USEPA: Emission Factor Documentation for AP-42 Section 11.19.1 Sand and Gravel Processing Final Report Table 4-1 (4/95) for construction gravel storage pile wind erosion, AP-42 Section 13.2.4 (11/06) for solid waste and cover material handling, and USEPA: Fugitive Dust Background Document and Technical Information Document for Best Available Control Measures (BACM) Eq. 2-12 (9/92) for overburden storage pile wind erosion.

g. Emissions Limitation:

Fugitive PM₁₀ emissions shall not exceed 22.01 TPY.

Applicable Compliance Method:

The emissions limitation was established using the inputs and calculations presented in the permittee's application and the emissions factor equations in AP-42 Table 11.9-1 (10/98) for bulldozing and compacting, AP-42 Table 11.9-4 (10/98) for exposed area wind erosion, AP-42 Section 11.19.2 (8/04) for construction gravel material handling, USEPA: Emission Factor Documentation for AP-42 Section 11.19.1 Sand and Gravel Processing Final Report Table 4-1 (4/95) for construction gravel storage pile wind erosion, AP-42 Section 13.2.4 (11/06) for solid waste and cover material handling, USEPA: Fugitive Dust Background Document and Technical Information Document for Best Available Control Measures (BACM), Eq. 2-12 (9/92) for overburden storage pile wind erosion, and the particle size multiplier or PM₁₀ fractions from AP-42 and ratios from BACM.

h. Emissions Limitation:

Fugitive PE from non-asbestos operations shall not exceed 10% opacity as a three-minute average.

Applicable Compliance Method:

If required, visible PE shall be determined according to USEPA Method 9.

i. Emissions Limitations:

Each owner or operator of an active asbestos waste disposal site shall cause or permit no visible emissions to the outside air, or shall comply with the

requirements of paragraph (B) of OAC rule 3745-20-06, 40 CFR 61.154(c) or (d) and c)(4) above.

Rather than meet the no visible emissions requirements of OAC rule 3745-20-06(A) and 40 CFR 61.154(a), each owner or operator of an active asbestos waste disposal site that receives waste that contains asbestos-containing material shall comply with the following:

There shall be no visible emissions from asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 22.

- (2) Except as provided in 40 CFR 60.752(b)(2)(i)(B), compliance with the provisions of 40 CFR Part 60, Subpart WWW for gas collection systems installed to comply with 40 CFR 60.752(b)(2)(ii) shall be determined in accordance with the requirements of 40 CFR 60.755.

g) Miscellaneous Requirements

- (1) This emissions unit is not currently subject to 40 CFR Part 63, Subpart AAAA because the rule does not apply to area source landfills with a design capacity of greater than 2.5 million Mg or 2.5 million m³ that do not emit 50 Mg/yr or more of NMOC. However, the permittee must recalculate its annual NMOC emission rate as required in 40 CFR Part 60, Subpart WWW, except as provided in 40 CFR 60.757(b)(1)(ii). Once the NMOC emission rate exceeds 50 Mg/year, this emissions unit will become subject to 40 CFR Part 63, Subpart AAAA and the permittee must apply for a permit modification to request inclusion of the applicable requirements of 40 CFR Part 63, Subpart AAAA.

2. F002, Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Paved roadways with a VMT of 61,570 per year and unpaved roadways with a VMT of 252,297 per year consisting of entrance roads, perimeter roads, parking areas, temporary access and construction haul roads; administrative modification of PTI 06-07372 issued April 6, 2004 to reflect current facility operations and update emission limitations.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<p>Fugitive particulate emissions (PE) from all paved and unpaved roadways and parking areas shall not exceed 32.47 tons per year (TPY).</p> <p>Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average for all paved roadways and parking areas.</p> <p>Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average for all unpaved roadways and parking areas.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.</p> <p>See b)(2)a. through b)(2)j below.</p>
b.	OAC rules 3745-17-07(B) and 3745-17-08(B)	See b)(2)k. below.

(2) Additional Terms and Conditions

- a. The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Entrance road
Entrance through scales road
Main haul access road

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

South haul road
Working face road
North haul road
North haul road to tire landfill
Tire landfill working face road
Eastern road between current and unbuilt cells
Office entrance road
Truck shop/parking area entrance road
Truck shop parking road
Truck fueling road
Fuel tank road
Container road
Landfill perimeter road

- 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 flushing with water at sufficient treatment frequencies to ensure compliance and enforce a 10 mph posted speed limit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- d. 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 permittee's 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.

- e. 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 and enforce a 10 mph posted speed

limit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- f. 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.
 - g. 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.
 - h. 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.
 - i. 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.
 - j. 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.
 - k. This facility is located in Pike County, which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions from this emissions unit are exempt from the fugitive dust control requirements and visible emission limitation established in OAC rules 3745-17-08(B) and 3745-17-07(B), respectively.
- c) Operational Restrictions
 - (1) None.
 - d) 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/ parking areas

Entrance road
 Entrance through scales road
 Main haul access road

minimum inspection frequency

Once during each day of normal operation
 Once during each day of normal operation
 Once during each day of normal operation

unpaved roadways/ parking areas

South haul road
 Working face road
 North haul road
 North haul road to tire landfill
 Tire landfill working face road
 Eastern road between current and unbuilt cells
 Office entrance road
 Truck shop/parking area entrance road
 Truck shop parking road
 Truck fueling road
 Fuel tank road
 Container road
 Landfill perimeter road

minimum inspection frequency

Once during each day of normal operation
 Once during each day of normal 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/operating 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.

The permittee may, upon receipt of written approval from the Ohio EPA Southeast District Office, 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. Such modified inspection frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

- (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
 - 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.

This information shall be kept separately for (i) the paved roadways and parking areas, (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.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit semiannual written reports that identify:
 - a. each day during which an inspection was not performed by the required frequency excluding those inspections that were not performed due to 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.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

Fugitive PE from all paved and unpaved roadways and parking areas shall not exceed 32.47 TPY

Applicable Compliance Method:

Compliance with annual emissions limitation shall be determined based on the emission factor calculations for paved roadways and parking areas in AP-42 Section 13.2.1 (1/11) and a maximum of 61,570 annual vehicle miles traveled, and the emission factor calculations for unpaved roadways and parking areas in AP-42 13.2.2 (11/06) and a maximum of 252,297 annual vehicle miles traveled, as demonstrated by the following equations:

Paved Roadways:

$$EF = ((k \times sL^{0.91}) \times W^{1.02}) \times (1-P/(4 \times 365))$$

Where:

- EF = particulate emission factor (lb/VMT)
- k = particle size multiplier (lb/VMT) = 0.011
- sL = road surface silt loading (g/m²) = 7.4
- W = mean vehicle weight (tons) = 18.12
- P = number of rain days per year >0.01 in. = 135

Therefore, EF = 1.18 lb/VMT

Maximum travel = 61,570 VMT/year

$$(61,570 \text{ VMT/year})(1.18 \text{ lb/VMT})(1 \text{ ton}/2,000 \text{ lbs}) = 36.33 \text{ TPY uncontrolled PE}$$

Assume 95% control efficiency

$$36.33 \text{ TPY} \times (1-0.95) = 1.82 \text{ TPY controlled fugitive PE}$$

Unpaved Roadways:

$$EF = ((k \times (s/12)^a \times (W/3)^b)) \times ((365-p)/365)$$

Where:

- EF = particulate emission factor (lb/VMT)
- k = particle size multiplier (lb/VMT) = 4.9
- s = surface material silt content (%) = 6.4
- W = mean vehicle weight (tons) = 21.84
- P = number of rain days per year >0.01 in. = 135

Therefore, EF = 4.86 lb/VMT

Maximum travel = 252,297 VMT/year



$(252,297 \text{ VMT/year})(4.86 \text{ lb/VMT})(1 \text{ ton}/2,000 \text{ lbs}) = 613.08 \text{ TPY uncontrolled PE}$

Assume 95% control efficiency

$613.08 \text{ TPY} \times (1 - 0.95) = 30.65 \text{ TPY controlled fugitive PE}$

Total fugitive PE (TPY) = 1.82 TPY + 30.65 TPY = 32.47 TPY

b. Emissions Limitations:

Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average for all paved roadways and parking areas.

Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average for all unpaved roadways and parking areas.

Applicable Compliance Method:

If required, visible PE shall be determined according to USEPA Method 9 and the procedures specified in OAC 3745-17-03(B)(3)(d).

g) Miscellaneous Requirements

(1) None.