State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
PIKE COUNTY

Street Address: Mailing Address: Lazarus Gov. Center
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Application No: 06-07372

DATE: 4/6/2004

Pike Sanitation Inc.
Steve Thrasher
11775 State Route 220 East
Waverly, OH 45690

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

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

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

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA **SEDO**

FINAL PERMIT TO INSTALL 06-07372

Application Number:	06-07372
APS Premise Number:	0666000003
Permit Fee:	**$1850**
Name of Facility:	Pike Sanitation Inc.
Person to Contact:	Steve Thrasher
Address:	11775 State Route 220 East Waverly, OH 45690

Location of proposed air contaminant source(s) [emissions unit(s)]:
11775 State Route 220 East
Waverly, Ohio

Description of proposed emissions unit(s):
Roadways,parking and two diesel engines used to power storm water pumps; replaces 06-4200 issued as a combined air-solid waste PTI; this mod changes only the air portion of the permit.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

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

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

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

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

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

8. Federal and State Enforceability

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

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

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

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

12. Air Pollution Nuisance

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.

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

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

3. Permit Transfers

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

4. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

6. Public Disclosure

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

7. Applicability

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

8. Construction Compliance Certification

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

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

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

C. Permit To Install Summary of Allowable Emissions

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

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
NMOC	77.24
CH_4	12,080
VOC	33.23
HAP	10.16
PE	392
NOx	35.5
SO_2	2.5
CO	8

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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

None.

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

None.

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements
F001 - MSW Landfill with asbestos disposal. These operations include Landfill operations associated with the load-in and load-out of MSW, and wind erosion from the surface of the landfill. This is a chapter 31 modification to PTI 06-4200 which was issued as a combined air/solid waste PTI. This modification supersedes only the air terms and conditions of PTI 06-4200, issued April 12, 1996.	OAC rule 3745-31-05(A)(3)

	Applicable Emissions <u>Limitations/Control Measures</u>	See A.I.2.a through A.I.2.g below.
	Emissions of non-methane organic compounds (NMOC) shall not exceed 77.24 TPY	See A.I.2.h through A.I.2.m below.
	Emissions of methane (CH_4) shall not exceed 12,080 TPY	See A.I.2.l, and A.I.2.m. below.
	Emissions of volatile organic compounds (VOC) shall not exceed 30.13 TPY.	See A.I.2.n. below.
OAC rule 3745-20, 40 CFR Part 61, Subparts A and M	Emissions of hazardous air pollutants (HAP) shall not exceed 10.60 TPY.	See A.I.2.n. below.
40 CFR Part 60, Subpart WWW	Particulate emissions (PE) from the MSW landfill operations shall not exceed 1.82 ton per year.	See A.II.1 below.
40 CFR Part 63, Subpart AAAA		
OAC rule 3745-17-07(B)(1)	Visible fugitive PE from non-asbestos operations shall not exceed 10 percent opacity as a six-minute average.	
OAC rule 3745-17-08(B)		
OAC rule 3745-19	Best available control measures shall be used that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See section A.I.2.n through u)	
	The requirements established pursuant to this rule are equivalant to the requirements of OAC Chapter 3745-20; 40CFR Part 61, Subparts A and M; 40 CFR Part 60, Subpart WWW; 40 CFR Part 63, Subpart AAAA and OAC Chapter 3745-19.	

2. Additional Terms and Conditions

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

2.b Deposition and burial operations shall be conducted in a careful manner that prevents asbestos-containing materials from being broken up or dispersed before the materials are buried.

2.c The permittee shall establish restricted access, adequate to deter the unauthorized entry of the general public and any unauthorized personnel, within 100 feet of the unloading, deposition, and burial areas of the asbestos-containing waste materials. A hazard warning shall be displayed on signs not less than 20 x 14 inches in size, posted so they are visible before entering an area with asbestos waste disposal operations in progress; or, alternatively, mark vehicles used to transport asbestos-containing waste materials with 20 x 14 inch signs so that the signs are displayed in such a manner and location that a person can easily read the legend. Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph.

Legend:

ASBESTOS WASTE DISPOSAL SITE
DO NOT CREATE DUST
BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH

Notation:

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

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

2.d The permittee shall cover and compact asbestos wastes in accordance with the following:

i. As soon as practical after the placement of friable asbestos, but no later than the end of each working day, the asbestos-containing waste materials deposited at the site during the operating day shall be covered with at least 12 inches of non-asbestos-containing materials. Once the asbestos-containing materials are covered, the area may be compacted.

ii. Care shall be taken to ensure that disposed asbestos shall not be re-excavated in subsequent operations. Any accidentally exposed material shall be immediately recovered in accordance with the provisions of condition (d)(i) above.

iii. Asbestos-containing waste materials shall be separated from the landfill final grade by no less than 24 inches of compacted non-asbestos-containing materials and a permanent cover of vegetation, or in accordance with current requirements for closure, whichever is more stringent.

2.e The permittee shall implement and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" ("Plan") consisting of: authorized personnel training, inspection and disposal operating procedures, non-conforming load response procedures, inventory and maintenance procedures for safety and emissions control equipment, record keeping procedures, and emergency notification procedures. Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times.

2.f Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the Plan shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.

2.g If this emissions unit is permanently closed, the permittee shall comply with all of the applicable provisions of OAC rule 3745-20-07.

2.h If the annual, recalculated or estimated nonmethane organic compound (NMOC) emission rate is equal to or greater than 50 megagrams (55.1 tons) per year:

i. The permittee shall submit, within 12 months, a collection and control system design plan in accordance with 40 CFR 60.752(b)(2)(i).

ii. The permittee shall 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).

2.i [40 CFR 60.752(b)(2)(ii)(A)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the active collection system shall satisfy the following requirements:

i. The system shall be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of

the gas control or treatment system equipment.

ii. The system shall collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active, or 2 years or more if closed or at final grade.

iii. The system shall collect gas at a sufficient extraction rate.

iv. The system shall be designed to minimize off-site migration of subsurface gas.

2.j [40 CFR 60.752(b)(2)(v)]
The collection and control system may be capped or removed provided that all of the following conditions are met:

i. 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);

ii. The collection and control system shall have been in operation a minimum of 15 years.

iii. 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.

2.k If this emissions unit is permanently closed, a closure notification, as provided for in 40 CFR Part 60.757(d), shall be submitted to the Ohio EPA, Southeast District Office.

2.l If the annual recalculated NMOC emission rate is equal to or greater than 50 megagrams (55.1 tons) per year, the permittee shall comply with the requirements specified in 40 CFR 63.1955(b) and 63.1960 through 63.1980, in accordance with 40 CFR 63.1945(f), by the date the permittee is required to install a collection and control system as specified in 40 CFR 60.752(b)(2) of Subpart WWW. If the permittee is required to install a collection and control system, it shall be necessary to modify this permit.

2.m [40 CFR 63.1955(a)(1)]
The permittee must fulfill the requirements of 40 CFR Part 60, Subpart WWW.

2.n 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.

2.o The permittee shall employ best available control measures on all landfill operations associated with the load-in and load-out of MSW for the purpose of ensuring compliance

with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering of dusty materials, either prior to dumping or during dumping, and good operating practices to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

landfill overburden excavation/removal and material handling
landfill subbase aggregate material handling
landfill construction fill excavation and material handling
landfill liner clay excavation and material handling
landfill daily cover excavation and material handling

2.q The permittee shall employ best available control measures on all facility activities list above for the purpose of ensuring compliance with the above-mentioned applicable requirements. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.r 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 facility activities, that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

2.s The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

2.t Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

2.u Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

II. Operational Restrictions

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

2. [40 CFR 60.753(a)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), The permittee shall operate the collection system such that gas is collected from each area, cell, or group of cells in the municipal solid waste (MSW) landfill in which solid waste has been in place for:

   a. 5 years or more if active; or

   b. 2 years or more if closed or at final grade.

3. [40 CFR 60.753(b)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), The permittee shall operate the collection system with negative pressure at each wellhead except under the following conditions:

   a. A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 40 CFR 60.757(f)(1);

   b. Use of a geomembrane or synthetic cover. The permittee shall develop acceptable pressure limits in the design plan; and

   c. A decommissioned well. A well may experience a static positive pressure after the shutdown to accommodate for declining flows. All design changes shall be approved by the Administrator.

4. [40 CFR 60.753(c)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

5. [40 CFR 60.753(d)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the permittee shall operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

6. [40 CFR 60.753(e)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the permittee shall operate the system such that all collected gases are vented to a control system designed and operated in compliance with 40 CFR 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.

7. [40 CFR 60.753(f)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the permittee shall operate the control or treatment system at all times when the collected gas is routed to the system.

8. [40 CFR 60.753(g)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), if monitoring demonstrates that the operational requirements in sections A.II.3, A.II.4, or A.II.5 of this section are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3) through (5) or 40 CFR 60.755(c) of this subpart. If corrective actions are taken as specified in 40

CFR 60.755, the monitored exceedance is not a violation of the operational requirements in this section.

9. [40 CFR 60.755(e)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the provisions of Subpart WWW apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.

III. Monitoring and/or Recordkeeping Requirements

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

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

2. The permittee shall maintain records of the following information:

   a. the waste shipment record form for each shipment of asbestos-containing materials; and

   b. the location, depth and area, and quantity in cubic yards of all asbestos-containing materials within the disposal site, on a map or a diagram of the disposal area.

3. The permittee shall perform daily checks, when the 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.

4. [40 CFR 60.758(a)]

Except as provided in 40 CFR 60.752(b)(2)(i)(B), each owner or operator of an MSW landfill subject to the provisions of 40 CFR 60.752(b) shall 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. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

5. The initial calculated nonmethane organic compound (NMOC) emission rate for this emissions unit was less than 50 megagrams (55.1 tons) per year. Pursuant to 40 CFR Part 60.757(b)(1)(ii), the permittee may submit a 5-year period NMOC emissions report in lieu of the annual recalculation of the NMOC emissions. The NMOC emission rate shall be calculated using either the equation provided in paragraph (a)(1)(i) or the equation provided in paragraph (a)(1)(ii) of 40 CFR Part 60.754, and the procedures specified in paragraph (a)(2),(a)(3), and (a)(4) of 40 CFR Part 60.754.

6. When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), , the permittee shall comply with the monitoring requirements specified in 40 CFR 60.756(a) through 60.756(f), as appropriate, and the record keeping requirements specified in 40 CFR 60.758(b) through 60.758(e).

7. [40 CFR 60.756(a)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), 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:

   a. Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3);

   b. Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and

   c. Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5).

8. [40 CFR 60.756(f)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), each owner or operator seeking to demonstrate compliance with 40 CFR 60.755(c), shall monitor surface 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.

9. [40 CFR 60.758(b)(1) and (b)(4)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records, for the life of the control equipment, of the data listed in 9.a. below as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal.

   a. Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 60.752(b)(2)(ii):

      i. The maximum expected gas generation flow rate as calculated in 40 CFR 60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the Administrator.

      ii. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR 60.759(a)(1).

10. [40 CFR 60.758(c)(2) and (c)(4)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill subject to the provisions of this subpart shall 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.

   a. Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible continuous records of the indication of flow to the control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under 40 CFR 60.756.

11. [40 CFR 60.758(d)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), each owner or operator subject to the provisions of this subpart shall 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 providing a unique identification location label for each collector.

a. Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under 40 CFR 60.755(b).

b. Each owner or operator subject to the provisions of this subpart shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in 40 CFR 60.759(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in 40 CFR 60.759(a)(3)(ii).

12. [40 CFR 60.758(e)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), each owner or operator subject to the provisions of this subpart shall 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.

13. [40 CFR 63.1960]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the permittee must develop and implement a written SSM plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write, implement, or maintain a copy of the SSM plan is a deviation from the requirements of this subpart.

14. 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 resulting from any landfill operations (such as wastes unloading, waste covering, excavation, all construction areas, and wind erosion). The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible fugitive particulate emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may

indicate that the visible emission incident was continuous during the observation

period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

15. The permittee shall maintain a daily operations log for each waste dumping/placement area which lists any watering activity employed to minimize or eliminate visible emissions of fugitive dust, and the time, the location, and the amount of water employed, in gallons.

16. No inspection shall be necessary for wind erosion from the surface of a MSW landfill cell when the cell or area is covered with snow and/or ice and for any landfill activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

17. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in of a MSW landfill cell, and wind erosion from the surface of a MSW landfill cell. The inspections shall be performed during representative, normal landfill operating conditions.

18. The permittee shall maintain records of the following information:

    a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

    b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

    c. the dates the control measures were implemented; and

    d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from landfill surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

    The information required in 18.d. shall be kept separately for (i) wastes unloading, (ii) waste covering, (iii) excavation, (iv) all construction areas, and (v) wind erosion and shall be updated on a calendar quarter basis within 30 days after the end of each calendar

quarter.

19. [40 CFR 63.1990]
[40 CFR 63.10(d)(5)] When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), if actions taken during a startup, shutdown and malfunction plan are consistent with the procedures in the startup, shutdown and malfunction plan, this information shall be included in a semi-annual startup, shutdown and malfunction plan report.

IV. Reporting Requirements

1. [40 CFR 60.757(d)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR 60.7(a)(4).

2. [40 CFR 60.757(e)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), each owner or operator of a controlled landfill shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment.

   a. the equipment removal report shall contain all of the following items:

      i. a copy of the closure report submitted in accordance with 40 CFR 60.757(d);

      ii. a copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and

      iii. dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

   b. The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR 60.752(b)(2)(v) have been met.

3. [40 CFR 60.757(f)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), each owner or operator of a landfill seeking to comply with 40 CFR 60.752(b)(2) using an active collection system designed in accordance with 40 CFR 60.752(b)(2)(ii) shall submit to the Administrator annual reports of the recorded information in sections a. through f. below. 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. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 60.758(c).

a. value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c), and (d);

b. description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756;

c. description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating;

d. all periods when the collection system was not operating in excess of 5 days;

e. the location of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR 60.753(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month; and

f. the date of installation and the location of each well or collection system expansion added pursuant to paragraphs (a)(3), (b), and (c)(4) of 40 CFR 60.755.

4. The permittee shall submit quarterly reports summarizing the asbestos disposal activities. The reports shall contain the following information:

a. the name, address and location of the facility, the calendar period covered by the report, and any changes in the methods of storage or the disposal operations; and

b. a list of all asbestos-containing waste consignments received including: the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

These quarterly reports shall be submitted to the Ohio EPA Southeast District Office no later than January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

5. The permittee shall submit quarterly reports that (a) identify all days during which any visible particulate emissions were observed from the asbestos-containing materials during on-site transportation, transfer, unloading, deposition or compacting operations and (b) describe any

corrective actions taken to eliminate the visible particulate emissions. These quarterly reports shall be submitted to the Ohio EPA Southeast District Office no later than January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

6. 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.

7. 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.

8. The permittee shall submit, upon closure of the facility, a copy of the records of the asbestos waste disposal locations and quantities.

9. 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.

10. The permittee shall notify the Ohio EPA Southeast District Office of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Spill Contingency Plan." Notification shall be provided as soon as possible by a phone contact, followed in writing by the next working day. The written notification shall provide a copy of the waste shipment record ("WSR"), if available, or when waste is not shipped with a WSR, provide available information concerning vehicle identification, source of the load, a description of the load, nature of discrepancy, and the location of disposal. If possible, non-conforming loads of suspect friable material shall be detained, or the location of disposal

protected from damage, until the Ohio EPA is informed and provided the opportunity to inspect.

11. Except as provided for in section A.IV.12 below, the permittee shall submit annual NMOC emission rate reports as required by 40 CFR Part 60.757(b)(1). The reports shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and

procedures provided in 40 CFR Part 60.754(a) or (b), as applicable, and all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. Upon installation of a collection and control system, reports of annual NMOC emissions are no longer required as provided in 40 CFR Part 60.757 (b)(3).

12. If the estimated NMOC emission rate, as reported in the annual report to the Ohio EPA Southeast District Office, is less than 50 megagrams (55.1 tons) per year in each of the next 5 consecutive years, the permittee may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Ohio EPA Southeast District Office. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Ohio EPA Southeast District Office. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

13. The permittee shall submit quarterly written reports which (a) identify all days during which any visible fugitive particulate emissions were observed from non-asbestos operations involving this emissions unit (such as wastes unloading, waste covering, excavation, wind erosion and construction activity areas) and (b) describe any corrective actions taken to eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Ohio EPA, Southeast District Office no later than January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

14. [40 CFR 63.1965]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), a deviation is defined in Section 63.1990. For the purposes of the landfill monitoring and SSM plan requirements, deviations include the items in paragraphs (a) through (c) of this section.

    a. A deviation occurs when the control device operating parameter boundaries described in 40 CFR 60.758(c)(1) of Subpart WWW are exceeded.

    b. A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour.

    c. A deviation occurs when a SSM plan is not developed, implemented, or maintained on site.

15. [40 CFR 63.1980]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy),

    a. Keep records and reports as specified in 40 CFR Part 60, Subpart WWW, or in the Federal plan, EPA approved State plan or tribal plan that implements 40 CFR Part 60, Subpart Cc, whichever applies to your landfill, with one exception: You must submit the annual report described in 40 CFR 60.757(f) every 6 months.

    b. You must also keep records and reports as specified in the general provisions of 40 CFR Part 60 and this part as shown in Table 1 of subpart AAAA of Part 63. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports.

16. [40 CFR 63.1990]
[40 CFR 63.10(d)(5)] When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), any time an action taken during a startup, shutdown and malfunction plan is not consistent with the startup, shutdown and malfunction plan, the source shall report actions taken within 2 working days after commencing such actions, followed by a letter 7 days after the event.

V. Testing Requirements

1. [40 CFR 60.755(a)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), except as provided in 40 CFR 60.752(b)(2)(i)(B), the specified methods in paragraphs 1.a. through 1.f. of this section shall be used to determine whether the gas collection system is in compliance with 40 CFR 60.752(b)(2)(ii).

    a. For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 40 CFR 60.752(b)(2)(ii)(A)(1), one of the following equations shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Administrator. If k has been determined as specified in 40 CFR 60.754(a)(4), the value of k determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.

        i. For sites with unknown year-to-year solid waste acceptance rate:

$$Qm = 2Lo\ R\ (e^{-kc} - e^{-kt})$$

where:

Qm = maximum expected gas generation flow rate, cubic meters per year;
Lo = methane generation potential, cubic meters per megagram solid waste;
R = average annual acceptance rate, megagrams per year;
k = methane generation rate constant, year ^ -1;
t = age of the landfill at equipment installation plus the time the owner or operator intends to use the gas mover equipment or active life of the landfill, whichever is less. If the equipment is installed after closure, t is the age of the landfill at installation, years; and
c = time since closure, years (for an active landfill c = O and e^ -kc = 1).

ii. For sites with known year-to-year solid waste acceptance rate:

QM = the summation of 2 x k x Lo x Mi x(e^ -kt x i) for i=1 through i=n

where:

QM=maximum expected gas generation flow rate, cubic meters per year;
k=methane generation rate constant, year^ -1;
Lo=methane generation potential, cubic meters per megagram solid waste;
Mi=mass of solid waste in the ith section, megagrams; and
ti=age of the ith section, years.

iii. If a collection and control system has been installed, actual flow data may be used to project the maximum expected gas generation flow rate instead of, or in conjunction with, the equations in paragraphs 1.a.i. and 1.a.ii. of this section. If the landfill is still accepting waste, the actual measured flow data will not equal the maximum expected gas generation rate, so calculations using the equations in paragraphs 1.a.i. or 1.a.ii. or other methods shall be used to predict the maximum expected gas generation rate over the intended period of use of the gas control system equipment.

b. For the purposes of determining sufficient density of gas collectors for compliance with 40 CFR 60.752(b)(2)(ii)(A)(2), the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the Administrator, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards.

c. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 40 CFR 60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a

positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 40 CFR 60.753(b). If

negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

d. Owners or operators are not required to expand the system as required in paragraph 1.c. of this section during the first 180 days after gas collection system startup.

e. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 40 CFR 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

f. An owner or operator seeking to demonstrate compliance with 40 CFR 60.752(b)(2)(ii)(A)(4) through the use of a collection system not conforming to the specifications provided in 40 CFR 60.759 shall provide information satisfactory to the Administrator as specified in 40 CFR 60.752(b)(2)(i)(C) demonstrating that off-site migration is being controlled.

2. [40 CFR 60.755(c)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the following procedures shall be used for compliance with the surface methane operational standard as provided in 40 CFR 60.753(d).

a. After installation of the collection system, the owner or operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in paragraph 3 of this section.

b. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the

perimeter wells.

c. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A of this part, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.

d. Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in paragraphs d.i. through d.v. of this section shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 40 CFR 60.753(d).

i. The location of each monitored exceedance shall be marked and the location recorded.

ii. Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.

iii. If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in paragraph d.v. of this section shall be taken, and no further monitoring of that location is required until the action specified in paragraph d.v. has been taken.

iv. Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring specified in paragraph d.ii. or d.iii. of this section shall be re-monitored 1 month from the initial exceedance. If the 1-month remonitoring shows a concentration less than 500 parts per million above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month remonitoring shows an exceedance, the actions specified in paragraph d.iii. or d.v. shall be taken.

v. For any location where monitored methane concentration equals or exceeds 500 parts per million above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Administrator for approval.

e. The owner or operator shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.

3. [40 CFR 60.755(d)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), each owner or operator seeking to comply with the provisions in this section shall comply with the following instrumentation specifications and procedures for surface emission monitoring devices:

   a. The portable analyzer shall meet the instrument specifications provided in section 3 of Method 21 of appendix A of this part, except that "methane" shall replace all references to VOC.

   b. The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air.

   c. To meet the performance evaluation requirements in section 3.1.3 of Method 21 of appendix A of this part, the instrument evaluation procedures of section 4.4 of Method 21 of appendix A of this part shall be used.

   d. The calibration procedures provided in section 4.2 of Method 21 of appendix A of this part shall be followed immediately before commencing a surface monitoring survey.

4. [40 CFR 60.755(e)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.

5. [40 CFR 60.755(b)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), for purposes of compliance with 40 CFR 60.753(a), each owner or operator of a controlled landfill shall place each well or design component as specified in the approved design plan as provided in 40 CFR 60.752(b)(2)(i). Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:

   a. 5 years or more if active; or

   b. 2 years or more if closed or at final grade.

6. [40 CFR 60.753(c)]
When the calculated NMOC emission rate is greater than 50 megagrams per year (55.1 tpy), the specified methods in paragraphs 6.a. and 6.b. below shall be used to determine whether the

gas collection system is in compliance with 40 CFR 60.753(c).

a. The nitrogen level shall be determined using Method 3C, unless an alternative test method is established as allowed by 40 CFR 60.752(b)(2)(i).

b. Unless an alternative test method is established as allowed by 40 CFR 60.752(b)(2)(i), the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that:

i. the span shall be set so that the regulatory limit is between 20 and 50 percent of the span;

ii. a data recorder is not required;

iii. only two calibration gases are required, a zero and span, and ambient air may be used as the span;

iv. a calibration error check is not required; and

v. the allowable sample bias, zero drift, and calibration drift are +/-10 percent.

7. The permittee shall determine the NMOC emission rate using the procedures specified in 40 CFR 60.754(a) until such time as it is determined that the NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed.

8. Emissions shall not exceed the values shown in Section A.I.1 which are based on calculations described below. These calculations represent the highest emission rates which could occur based on landfill gas emission rates predicted by USEPA's Landfill estimation program (LANDGEM) and AP-42 emission factors.

Emissions predicted by USEPA's Landfill estimation model were based on the proposed landfill capacity (15,801,344 Mg) divided equally by the maximum annual disposal rate of 518,910 Mg per year (2000 tpd) using the December 31, 2002 wastes in place quantity of 769,387 Mg. The maximum gas generation predicted by the LANDGEM model was used.

a. Emission Limitation:

Emissions of non-methane organic compounds (NMOC) shall not exceed 77.24 TPY

Applicable Compliance Method:

NMOC: Emissions were predicted by USEPA's LANDGEM model. The highest annual emission rate would be the third year after emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

b. Emission Limitation:

Emissions of methane (CH_4) shall not exceed 12,080 TPY

Applicable Compliance Method:

CH_4: Emissions were predicted by USEPA's LANDGEM model and AP-42, Section 2.4. The highest annual emission rate would be the third year after emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

c. Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 30.13 TPY.

Applicable Compliance Method:

VOC : Emissions were calculated based on predictions from USEPA's LANDGEM model and AP-42 equations. The highest annual emission rate would be the third year after emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

d. Emission Limitation:

Emissions of hazardous air pollutants (HAP) shall not exceed 10.60 TPY.

Applicable Compliance Method:

HAP: Emissions were calculated based on predictions from USEPA's LANDGEM model and AP-42 equations. The highest annual emission rate would be the third year after emissions exceed 50 Mg per year since NSPS allows 30 months to install collection and controls after that rate is attained.

9. Emission Limitation:

Visible fugitive particulate emissions from non-asbestos operations shall not exceed 10 percent opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance with the visible emission limitation identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

10. Emission Limitation:

Particulate emissions (PE) from the MSW landfill operations shall not exceed 1.82 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated by employing emission factors from USEPA's Factor Information and Retrieval System (FIRE) database.

11. Emission Limitation:

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, compliance with the no visible emissions requirement specified in section A.I.2.a shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - MSW Landfill with asbestos disposal	OAC rule 3745-31-05	None

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit F001 was evaluated based on the design parameters of the emissions unit's, 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): 13.3

   Maximum Hourly Emission Rate (lbs/day): 19.30

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 126.4

MAGLC (ug/m3): 316

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(VV)(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 (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. 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.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 - Roadways and Parking Areas**.** This is a chapter 31 modification to PTI 06- 4200 which was issued as a combined air/solid waste PTI. This modification supersedes only the air terms and conditions of PTI 06-4200, issued April 12, 1996.	OAC rule 3745-31-05(A)(3)	Fugitive particulate emissions (PE) from all paved and unpaved roadways and parking areas shall not exceed 390 TPY best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.c through A.I.2.j)
paved roadways and parking areas (see section A.I.2.a)	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for one (1) minute during any 60-minute period for all paved roadways and parking areas
unpaved roadways and parking areas (see section A.I.2.b)	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for three (3) minutes during any 60-minute period for all unpaved roadways and parking areas
	OAC rule 3745-17-07(B)(1)	See A.I.2.k. below.
	OAC rule 3745-17-08(B)	See A.I.2.k. below.

2. Additional Terms and Conditions

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

paved roadways:

M Entrance road

paved parking areas:

None

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

unpaved roadways:

A Entrance road
B Scale house to perimeter road
C Perimeter road to maintenance shop
D Perimeter road to phase 9
E Maintenance shop to tire cell
F Entrance road to recycle
I Construction run
J Landfill face
K Tire cell
L Office road

unpaved parking areas:

G Maintenance shop lot
H Recycle building lot

2.c The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by 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.

2.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.

2.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.

2.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.

2.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.

2.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.

2.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.

2.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.

2.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.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

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

paved roadways/ parking areas	minimum inspection frequency
M Entrance road	daily

unpaved roadways/ parking areas	minimum inspection frequency
A Entrance road	daily
B Scale house to perimeter road	daily
C Perimeter road to maintenance shop	daily
D Perimeter road to phase 9	daily
E Maintenance shop to tire cell	daily
F Entrance road to recycle	daily
G Maintenance shop lot	daily
H Recycle building lot	daily
I Construction run	daily
J Landfill face	daily
K Tire cell	daily
L Office road	daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic/operating conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee 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.

IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Terms and Conditions.

V. Testing Requirements

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

   a. Emission Limitation:

   no visible emissions except for one (1) minute during any 60-minute period, for paved roadways and parking areas

   no visible emissions except for three (3) minutes during any 60-minute period, for unpaved roadways and parking areas

Applicable Compliance Method:

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

b. Emission Limitation:

Fugitive particulate emissions (PE) from all paved and unpaved roadways and parking areas shall not exceed 390 TPY

Applicable Compliance Method:

Compliance shall be demonstrated by employing the emission factor derived from the equations in AP-42, Compilation of Air Pollution Emission Factors, Chapter 13.2.1.3 (10/02), for paved roadways and parking areas, and Chapter 13.2.2 (9/98), for unpaved roadways and parking areas and applying an emission control factor of 50% for the application of water, and 80 % surface improvements (chip and seal).

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 - Roadways and Parking Areas	None	None

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
P001 - Diesel Engine 180 HP	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(A)(1)
		OAC rule 3745-18-06(B)
		OAC rule 3745-23-06(B)
	OAC rule 3745-17-11(B)(5)(a)	

Applicable Emissions Limitations/Control Measures	
Emissions shall not exceed:	provided by rule.
0.4 pounds per hour (lb/hr), and 1.8 ton per year (tpy) of sulfur dioxide (SO_2);	See Section A.I.2.c. below.
5.6 lb/hr and 24.5 tpy of nitrogen oxides (NOx);	See Section A.I.2.d. below.
0.5 lb/hr and 2.2 tpy of volatile organic compounds (VOC); and	
1.3 lb/hr and 5.7 tpy of carbon monoxide (CO).	
The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B), 3745-17-11(B)(5)(a) and 3745-17-07(A).	
Particulate emissions shall not exceed 0.25 lb/mmBtu actual heat input. See A.I.2.a below.	
Particulate emissions shall not exceed 0.310 lb/mmBtu actual heat input. See A.I.2.b below.	
Visible emissions shall not exceed 20% opacity as a six-minute average, except as	

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.310 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.b This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

2.c OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 mmBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 0.14 mmBtu/hr.

2.d The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

II. Operational Restrictions

1. The permittee shall only burn diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain documentation on the sulfur content of all fuels received.

2. For each day during which the permittee burns a fuel other than diesel fuel, containing less than 0.5% sulfur by weight, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel, containing less than 0.5% sulfur by weight, was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emissions Limitation:
   0.4 pounds per hour (lb/hr), and 1.8 ton per year (tpy) of sulfur dioxide (SO_2)

   Applicable Compliance Method:
   Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P001 (180 HP).

   Annual emissions shall be determined by multiplying the hourly SO_2 emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

   Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 8. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

2. Emission Limitation**:**
   5.6 lb/hr and 24.5 tpy of nitrogen oxides (NOx)

   Applicable Compliance Method**:**
   Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/HP-hr) by the maximum rated capacity of P001 (180 HP).

   Annual emissions shall be determined by multiplying the hourly NOx emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

   Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

3. Emission Limitation:
   0.5 lb/hr and 2.2 tpy of volatile organic compounds (VOC)

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00251 lb/HP-hr) by the maximum rated capacity of P001 (180 HP).

Annual emissions shall be determined by multiplying the hourly VOC emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

5. Emissions Limitation:
1.3 lb/hr and 5.7 tpy of carbon monoxide (CO)

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P001 (180 HP).

Annual emissions shall be determined by multiplying the hourly CO emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

6. Emission Limitation:
Particulate emissions shall not exceed 0.25 lb/mmBtu actual heat input.

Applicable Compliance Method:
The permittee cannot demonstrate compliance with this emission limitation based upon the current emission factor contained in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96). The Ohio EPA revised the emission limitation specified in this rule citation based upon the currently applicable emission factor. The revised rule was adopted by the Director of Ohio EPA in December of 1997, and it will be submitted to the U.S. EPA as a proposed revision to the Ohio SIP for particulate matter. When the SIP revision is approved by the U.S. EPA, the 0.25 lb/mmBtu actual heat input emission limitation will no longer be applicable, and the permittee will be able to demonstrate compliance with the new emission limitation (0.310 lb/mmBtu actual heat input)

using the current emission factor.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

7. Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.31 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

8. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A.

9. Operational Limitation:
Sulfur content of fuel restricted to less than 0.5%, by weight

Applicable Compliance Method:
Compliance shall be based on recordkeeping as specified in Section A.III.1. of this permit.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P001 - Diesel Engine 180 HP	None	None

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	OAC rule 3745-18-06(B)
P002 - Diesel Engine 80 HP	OAC rule 3745-31-05(A)(3)	OAC rule 3745-23-06(B)
	OAC rule 3745-17-11(B)(5)(a)	
	OAC rule 3745-17-07(A)(1)	

Applicable Emissions Limitations/Control Measures
Emissions shall not exceed:
0.16 pounds per hour (lb/hr), and 0.7 ton per year (tpy) of sulfur dioxide (SO_2);
2.5 lb/hr and 11.0 tpy of nitrogen oxides (NOx);
0.2 lb/hr and 0.9 tpy of volatile organic compounds (VOC); and
0.5 lb/hr and 2.3 tpy of carbon monoxide (CO).
Particulate emissions shall not exceed 0.25 lb/mmBtu actual heat input. See A.I.2.a below.
Particulate emissions shall not exceed 0.310 lb/mmBtu actual heat input. See A.I.2.b below.
Visible emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule
See Section A.2.I.c. below.
See Section A.2.I.d. below.

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.310 lb/mmBtu actual heat input emission limitation as a

revision to the Ohio SIP for particulate matter.

2.b This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

2.c OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 mmBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 0.14 mmBtu/hr.

2.d The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

II. Operational Restrictions

1. The permittee shall only burn diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain documentation on the sulfur content of all fuels received.

2. For each day during which the permittee burns a fuel other than diesel fuel, containing less than 0.5% sulfur by weight, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel, containing less than 0.5% sulfur by weight, was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emissions Limitation:
0.16 pounds per hour (lb/hr), and 0.7 ton per year (tpy) of sulfur dioxide (SO_2)

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P002 (80 HP).

Annual emissions shall be determined by multiplying the hourly SO_2 emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 8. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

2. Emission Limitation**:**
2.5 lb/hr and 11.0 tpy of nitrogen oxides (NOx)

Applicable Compliance Method**:**
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/HP-hr) by the maximum rated capacity of P002 (80 HP).

Annual emissions shall be determined by multiplying the hourly NOx emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

3. Emission Limitation:
0.2 lb/hr and 0.9 tpy of volatile organic compounds (VOC)

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00251 lb/HP-hr) by the maximum rated capacity of P002 (80 HP).

Annual emissions shall be determined by multiplying the hourly VOC emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

5. Emissions Limitation:
0.5 lb/hr and 2.3 tpy of carbon monoxide (CO)

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P002 (80 HP).

Annual emissions shall be determined by multiplying the hourly CO emission rate by 8,760 hours of operation per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

6. Emission Limitation:
Particulate emissions shall not exceed 0.25 lb/mmBtu actual heat input.

Applicable Compliance Method:
The permittee cannot demonstrate compliance with this emission limitation based upon the current emission factor contained in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96). The Ohio EPA revised the emission limitation specified in this rule citation based upon the currently applicable emission factor. The revised rule was adopted by the Director of Ohio EPA in December of 1997, and it will be submitted to the U.S. EPA as a proposed revision to the Ohio SIP for particulate matter. When the SIP revision is approved by the U.S. EPA, the 0.25 lb/mmBtu actual heat input emission limitation will no longer be applicable, and the permittee will be able to demonstrate compliance with the new emission limitation (0.310 lb/mmBtu actual heat input) using the current emission factor.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

7. Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.31 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

8. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A.

9. Operational Limitation:
Sulfur content of fuel restricted to less than 0.5%, by weight

Applicable Compliance Method:
Compliance shall be based on recordkeeping as specified in Section A.III.1. of this permit.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P002 - Diesel Engine 80 HP	None	None

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.