State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

07/21/04

RE: Proposed Title V Chapter 3745-77 Permit
15-76-00-1579
Countywide Recycling and Disposal Facility

Attn: Genevieve Damico AR-18J
United States Environmental Protection Agency
Region V
77 West Jackson Blvd.
Chicago, IL 60604-3590

Dear Ms. Damico:

The proposed issuance of the Title V permit for Countywide Recycling and Disposal Facility, has been created in Ohio EPA's State Air Resources System (STARS) on 07/21/04, for review by USEPA. This proposed action is identified in STARS as 3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact me at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,

Michael W. Ahern

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

cc: Canton Division of Air Pollution Control
File, DAPC PMU

State of Ohio Environmental Protection Agency

PROPOSED TITLE V PERMIT

Issue Date: 07/21/04	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 15-76-00-1579 to:
Countywide Recycling and Disposal Facility
3619 Gracemont Avenue Southwest
East Sparta, OH 44626

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

F001 (Facility Roadways)
Vehicle travel on facility roadways

F002 (Landfill Operations)
Landfill operation including the generation of landfill gas, waste compaction, and material handling associated with Asbestos, disposal of MSW, overburden and daily cover.

F004 (Solidification Material Handling)
Material handling of solids for solidification operations. Storage pile for binding agent.

F005 (Solidification Mixing Basin #1)
Mixing of liquid wastes with absorbant solids

F006 (Solidification Mixing Basin #2)
Mixing of liquid wastes with absorbant solids

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Canton Division of Air Pollution Control
420 Market Avnue N.
Canton, OH 44702-1544
(330) 489-3385

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Record Keeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.III of Part III of this Title V permit, 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c. The permittee shall submit required reports in the following manner:

i. **All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:**

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter.

In accordance with OAC rule 3745-15-06, a malfunction constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. OAC rule 3745-77-07(A)(3)(c) is not fully satisfied until the permittee addresses all other deviations of the federally enforceable requirements specified in the permit.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement overrides the reporting requirements specified in this General Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this General Term and Condition.

See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

iii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Written reports that identify all other deviations of the federally enforceable requirements contained in this permit, including the monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be

submitted to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with General Term and Condition A.1.c.ii above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

v. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

2. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

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.
(Authority for term: OAC rule 3745-77-07(A)(5))

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.
(Authority for term: OAC rule 3745-77-07(A)(6))

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, in accordance with A.10 below. 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.

(Authority for term: OAC rule 3745-77-07(A)(7))

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.
(Authority for term: OAC rule 3745-77-07(A)(8))

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

11. 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.

(Authority for term: OAC rule 3745-77-07(B))

12. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V 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 paragraph (E) of OAC rule 3745-77-03.

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.

d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
ii. Compliance certifications shall include the following:
   (a) An identification of each term or condition of this permit that is the basis of the certification.
   (b) The permittee's current compliance status.
   (c) Whether compliance was continuous or intermittent.
   (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
   (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.
(Authority for term: OAC rule 3745-77-07(G))

16. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA. Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.
(Authority for term: OAC rule 3745-77-07(I))

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.
(This term is provided for informational purposes only.)

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

19. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification by the responsible official of the date on which the emissions unit was permanently shut down. Authorization to operate the affected part or activity of the stationary source shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

If an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any monitoring, record keeping, reporting, or testing requirements, applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

2. Records Retention Requirements

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.

3. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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 verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

4. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

5. Permit Transfers

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

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii;

b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; and

c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

1. The permittee shall not cause or allow any open burning in violation of OAC Chapter 3745-19 at this facility.

2. The permittee shall not initiate or allow any salvage operations to be conducted at this location without prior written approval of the Ohio EPA.

3. The following insignificant emissions units are located at this facility:

G001 - diesel fuel dispensing facility;
T001 - 1,700-gallon dust suppressant storage tank (PTI 15-719);
T002 - 650-gallon hydraulic oil storage tank;
T003 - 650-gallon engine oil storage tank;
T004 - 650-gallon hydraulic oil storage tank (PTI 15-750);
T005 - 650-gallon engine oil storage tank (PTI 15-750);
T006 - 490-gallon hydraulic oil storage tank;
T007 - 490-gallon anti-freeze storage tank;
T008 - 490-gallon waste oil storage tank; and
L001 - solvent metal cold cleaner (PTI 15-750).

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.

B. State Only Enforceable Section

1. The following insignificant emissions unit located at this facility is exempt from permit requirements because it is not subject to any applicable requirements or because it meets the "de minimis" criteria established in OAC rule 3745-15-05:

Z003 - leachate storage.

2. Authority to Enter: Pursuant to the authority in OAC rule 3745-77-07(C)(2) or ORC Section 3704.03 (L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

3. The permittee shall operate this facility in such a manner that it does not become offensive or objectionable to the public in violation of OAC rule 3745-15-07.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Facility Roadways (F001)

Activity Description: Vehicle travel on facility roadways

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Paved (entrance road) and unpaved roadways (haul roads) and parking areas (See A.I.2.a below.)	OAC rule 3745-31-05(A)(3) (PTI 15-01391 issued 02/06/01)	89.6 TPY PM For paved roadways, there shall no visible particulate emissions except for one minute during any 60-minute period. For unpaved roadways and parking areas, there shall no visible particulate emissions except for three minutes during any 60-minute period. See A.I.2.b to A.I.2.m below.
	OAC rules 3745-17-08(B) and 3745-17-07(B)	See A.I.2.n below.

2. Additional Terms and Conditions

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

permanent facility entrance road

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

unpaved roadways:

all facility roads except the permanent facility entrance road (dirt and gravel covered)

unpaved parking areas:

dirt and gravel covered parking areas

2. Additional Terms and Conditions (continued)

2.b 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 (A.I.1.) applicable emissions limitation. The permittee shall apply water or suitable dust suppression chemicals on all unpaved roads and parking areas at sufficient treatment frequencies to ensure compliance. The permittee shall operate and maintain a truck-mounted spray system or an equivalent system to distribute water and/or dust suppression solution on unpaved roadways and parking areas. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c For unpaved roadways and parking areas, 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 an 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.d On unpaved roadways and parking areas, speed zones of no more than 15 miles per hour shall be established, posted and enforced by the facility owner or operator for all vehicles operating within the facility or facility-controlled access roads.

2.e 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 considered as a paved roadway or parking area, and controlled with the control measure specified above for paved surfaces.

2.f 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 (A.I.1.) applicable emissions limitation. The permittee shall apply water or suitable dust suppression chemicals on the unpaved shoulders of all paved roads at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.g The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned (A.I.1.) applicable emissions limitation. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by wet sweeping at sufficient treatment frequencies to ensure compliance. A new permanent facility entrance road was in use by October 1, 1992. This permanent entrance shall include at least 2700 feet of paved roadway. Rumble strips and a wheel and undercarriage washing station shall be employed on this new permanent road. The tires and undercarriage of all vehicles exiting unpaved landfill roadways shall be washed as necessary to eliminate the tracking of mud onto paved roadways. Nothing in this paragraph shall prohibit the permittee from employing additional, equally effective control measures to ensure compliance.

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 For paved roadways, 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 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.j On paved roadways, speed zones of no more than 25 miles per hour shall be established, posted and enforced by the facility owner or operator for all vehicles operating within the facility or facility-controlled access roads.

2.k If mud or dirt is deposited onto Gracemont Street, it shall be cleaned off as soon as possible, but at least by the end of each workday.

2.l Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times.

2. Additional Terms and Conditions (continued)

2.m 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.n This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) do not apply to the roadways and parking lots.

II. Operational Restrictions

1. This facility shall be limited to accepting no more than 140,000 truck loads of materials per calendar year.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform inspections of each of the roadways and parking areas in accordance with the following frequencies:

Paved roadways and parking areas:

permanent facility entrance road

Minimum inspection frequency:

Daily, by 12:00 noon, on days of operation only

Unpaved roadways and parking areas:

all facility roads except the permanent facility entrance road (dirt and gravel covered)

dirt and gravel covered parking areas

Minimum inspection frequency:

Twice daily, by 12:00 noon and before the end of the operating day, on days of operation only

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

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

3.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;

3.b the date of each inspection in which implementation of any control measure was suspended if unsafe or hazardous driving conditions would have been created by its use.

The reason why the control measure was suspended shall also be recorded.

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

3.d the dates the control measures were implemented, the control measures that were implemented, and an identification of the sections of the paved and unpaved roadways and parking lots on which the control measures were implemented; and

III. Monitoring and/or Record Keeping Requirements (continued)

3.e on a calendar quarter basis, the total number of days the control measures were implemented, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures, and the total number of days that a control method was suspended if unsafe or hazardous driving conditions would have been created by its use.

The information required above shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

4. The permittee shall maintain records of the number of truck loads of materials accepted by the facility in each calendar month and in each calendar year.

5. The permittee shall keep the following records on a monthly basis:

a. the average distance traveled by a truck on the paved roadways; and

b. the average distance traveled by a truck on the unpaved roadways.

IV. Reporting Requirements

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

1.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

1.b each instance when a control measure that was to be implemented as a result of an inspection was not implemented including those instances when a control measure was not implemented if unsafe or hazardous conditions would have been created by its use.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

3. The permittee shall submit annual particulate matter emissions reports by January 31 of every year covering the previous calendar year's particulate matter emissions. Each report shall contain:

3.a a title and the calendar year which the report covers;

3.b the number of truck loads of material accepted by the facility during the calendar year which the report covers;

3.c the actual, annual PM emissions in TPY from the paved surfaces;

3.d the actual, annual PM10 emissions in TPY from the paved surfaces;

3.e the actual, annual PM emissions in TPY from the unpaved surfaces;

3.f the actual, annual PM10 emissions in TPY from the unpaved surfaces;

3.g the actual, annual PM emissions in TPY from all the surfaces; and

3.h the actual, annual PM10 emissions in TPY from all the surfaces.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emissions Limitation:

PM emissions shall not exceed 89.6 tons/yr.

Applicable Compliance Method:

The permittee shall calculate the annual PM emissions from the facility's roadways utilizing AP-42 predictive equations.

Paved Roadways

The uncontrolled emission factor for the emissions from the paved roadways shall be calculated using equation 2 of the 10/02 version of the Fifth Edition of AP-42 section 13.2.1.

E = k X (sL/2) to the 0.65 power X (W/3) to the 1.5 power X (4N - P)

where:

E = PM emission factor, in lbs of PM emitted per vehicle mile traveled (VMT), without the use of control measures but considering mitigation from precipitation

k = 0.082 lb/VMT, particle size multiplier for PM from Table 13.2.1-1

sL = the silt loading in lbs/square foot from the permittee's paved roadways as determined using the procedures in Appendix C.1 and C.2 of AP-42 (preferable value) or 0.0012 lb/square foot road surface silt loading from Table 13.2.1-3 for a municipal solid waste landfill (the table value is 7.4 g/square meter)

W = 44.5 tons mean vehicle weight

N = 365 days

p = the actual number of days with at least 0.01 inch of precipitation reported from a nearby meteorological station for the annual period, or 120 days from Figure 13.2.1-2

The average vehicle loaded weight, W, of 44.5 tons was established in a survey of the vehicles utilizing the facility's roadway during a three-day period in the summer of 1999. The annual fugitive PM emissions from the paved roadways shall be calculated using the above-calculated emission factor E, the average distance traveled on paved roadways by a truck traveling on the paved roadways, the number of such trucks traveling on the facility's paved roadways in the year, and the control efficiency of the control methods utilized by the facility. The overall control efficiency for wet sweeping, speed reduction, and other control measures identified in the Additional Terms and Conditions of this permit shall be based on information in the Ohio EPA document entitled "Reasonably Available Control Measures for Fugitive Dust Sources."

V. Testing Requirements (continued)

Unpaved Roadways

The PM emissions from the unpaved roadways shall be calculated using equation 2 of the 09/98 version of the Fifth Edition of AP-42 section 13.2.2.

E = k X (s/12) to the power a X (W/3) to the power b X (365 - p) / [(365) X (Mdry / 0.2) to the power of c]

where:

E = PM emission factor, in lbs of PM emitted per vehicle mile traveled (VMT), without the use of control measures but considering mitigation from rainfall

k = 10 lb/VMT, particle size multiplier for PM from Table 13.2.2-2

s = the silt content from the permittee's unpaved roadways as determined using the procedures in Appendix C.1 and C.2 of AP-42 (preferable value) or 6.4%, the silt content from Table 13.2.2-1 for municipal solid waste landfills

a = 0.8, a dimensionless constant from Table 13.2.2-2

W = 44.5 tons mean vehicle weight from the 1999 survey, or the mean vehicle weight determined from a survey in the annual period

b = 0.5, a dimensionless constant from Table 13.2.2-2

Mdry = the moisture content from the permittee's unpaved roadways as determined using the procedures in Appendix C.1 and C.2 of AP-42 (preferable value) or 0.2% moisture, the default value for Mdry from page 13.2.2-5

c = 0.4, a dimensionless constant from Table 13.2.2-2

p = the actual number of days with at least 0.01 inch of precipitation reported from a nearby meteorological station for the annual period, or 120 days from Figure 13.2.2-1

The average vehicle loaded weight, W, of 44.5 tons was established in a survey of the vehicles utilizing the facility's roadway during a three-day period in the summer of 1999. The annual PM emissions from the unpaved roadways shall be calculated using the above emission factor E, the average distance traveled on unpaved roadways by a truck traveling on the unpaved roadways, the number of such trucks traveling on the facility's unpaved roadways in the year, and the control efficiency of the control methods utilized by the facility. The overall control efficiency for watering, speed reduction, and other control measures identified in the Additional Terms and Conditions of this permit shall be based on information in the Ohio EPA document entitled "Reasonably Available Control Measures for Fugitive Dust Sources."

1.b Emissions Limitation:

For paved roadways, there shall be no visible particulate emissions except for one minute during any 60-minute period.

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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

V. Testing Requirements (continued)

1.c Emissions Limitation:

For unpaved roadways, there shall be no visible particulate emissions except for three minutes during any 60-minute period.

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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Landfill Operations (F002)

Activity Description: Landfill operation including the generation of landfill gas, waste compaction, and material handling associated with Asbestos, disposal of MSW, overburden and daily cover.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Landfill Operations including: (1) material handling operations for the disposal of Municipal Solid Waste (MSW), (2) material handling operations for the disposal of regulated asbestos-containing materials (RACM), and (3) MSW landfill gas (lfg) operations including the lfg collection system and the open flare control system	OAC rule 3745-31-05(A)(3) (PTI 15-01391 issued 2/6/01)	For material handling operations for the disposal of MSW: PM emissions shall not exceed 5 tons/yr. Best Available Technology (BAT) control measures; see section A.I.2.a. For material handling operations for the disposal of RACM: PM emissions shall not exceed 0.5 ton/yr. PM10 emissions shall not exceed 0.5 ton/yr. No visible emissions. Best Available Technology (BAT) control measures; see section A.I.2.b. Open flare emissions:

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		1.10 lbs non-methane organic compounds (NMOC)/hr 4.80 TPY NMOC 36.7 lbs CO/hr 161 TPY CO 6.49 lbs NOx/hr 28.5 TPY NOx 0.53 lb SO2/hr 2.30 TPY SO2 0.85 lb HCl/hr 3.7 TPY HCl 0.30 lb PE/hr 1.31 TPY PE
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)	See A.I 2.g.
	40 CFR Part 61, Subpart A, General Provisions, and 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos	Use of handling procedures and control measures, as defined in A.I.2.c, "NESHAP Disposal Requirements for RACM", to prevent the emissions of fugitive dust.
	40 CFR, Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills	See sections A.I.2.d. through A.I.2.f.
	40 CFR, Part 63, Subpart A, General provisions, and 40 CFR, Part 63, Subpart AAAA, National Emissions Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills	Comply with the requirements of these subparts and the terms and conditions of this permit. See A.I.2.h.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) control measures for the disposal of MSW have been determined to be in compliance with the following:

i. The permittee shall ensure that solid wastes are deposited, spread and compacted in such a manner as to minimize or prevent visible emissions of fugitive dust. All vehicles hauling wastes shall be closed, covered, or tarped when entering or leaving the facility in order to minimize or eliminate load loss. All truckloads of solid waste shall be unloaded in a manner which shall minimize the drop height of the solid wastes. Any dusty materials or wastes likely to become airborne shall be watered as necessary prior to or during dumping operations in order to minimize or eliminate visible emissions of fugitive dust. Watering shall be conducted in such a manner as to avoid the pooling of liquids and runoff. No dusty material shall be dumped during periods of high wind speed (>20 MPH), unless the material has been treated or managed to prevent fugitive dust emissions from becoming airborne.

In accordance with the permittee's permit application, the permittee has committed to minimizing drop heights and watering of dusty materials, either prior to dumping or during dumping, and to using good operating practices to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing additional control measures to ensure compliance.

When a load is determined to be a potentially dusty load, scale house personnel shall check the current wind speed, then notify the operator(s) at the working face of the current wind speed. The operator shall then implement any or all of the following management/control measures as necessary to minimize or eliminate fugitive dust emissions from a potentially dusty load.

(a) Select a disposal location away from other waste vehicles at the working face.

(b) Excavate a hole within the working face (preferably on the lee side, the side away from the direction from which the wind blows) to place the dusty load.

(c) The vehicle shall be directed to back as close as possible to the excavated hole.

(d) Operators shall then carefully complete placing all dusty material inside the excavated hole.

(e) The unloaded material shall be covered immediately using excavated waste prior to compaction.

ii. Any dusty material to be stored, prior to disposal, shall be watered, as necessary, or have a temporary soil cover in order to minimize or eliminate visible emissions of fugitive dust.

iii. The above-mentioned control measures shall be employed for each MSW landfill cell if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to minimize or eliminate fugitive dust emissions. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.

iv. The permittee shall employ reasonably available control measures for wind erosion from the surface of the landfill for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering, as necessary, to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing additional control measures to ensure compliance.

v. The above-mentioned control measures shall be employed for wind erosion from the landfill if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure is necessary to minimize or eliminate fugitive dust emissions. Implementation of the control measure(s) shall not be necessary for the landfill cell that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to minimize or eliminate fugitive dust emissions.

2.b BAT control measures for the disposal of regulated asbestos-containing materials (RACM) have been determined to be compliance with the following:

i. The permittee shall comply with the requirements of the NESHAP at 40 CFR Part 61, Subpart M.

2. Additional Terms and Conditions (continued)

ii. Deposition and burial operations shall be conducted in a careful manner that prevents RACM from being broken up or dispersed before the materials are buried.

iii. As soon as practicable after the placement of RACM, but no later than the end of each working day, the RACM deposited at the facility during the operating day shall be covered with at least twelve (12) inches of non-asbestos material or an alternate daily cover if prior written permission has been obtained for the use of the alternate daily cover from the Ohio EPA Division of Solid and Infectious Waste Management (DSIWM). Once the RACM is covered, the area may be compacted.

iv. RACM shall be separated from the landfill final grade by no less than 12 inches of compacted nonasbestos-containing materials and a permanent cover of vegetation, or in accordance with the current requirements for closure contained in the facility's DSIWM permit, whichever is more stringent.

v. The permittee shall implement and maintain an "Asbestos Waste 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.

vi. 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 "Asbestos Waste Disposal Operating Procedure and Spill Contingency 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.

vii. If, on the basis of the inspection required to be performed by A.I.2.c.(i), the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Waste Disposal Operating Procedure and Spill Contingency Plan."

2.c NESHAP Disposal Requirements for RACM:

i. The permittee shall inspect each load of RACM delivered to the facility. The inspection shall consist of a visual examination to ensure that each shipment of RACM 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 shall also 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 discrepancy shall be noted on the waste shipment record.

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

(a) as soon as practicable after the placement of friable asbestos, but no later than the end of each working day, the RACM deposited at the site during the operating day shall be covered with at least 6 inches of nonasbestos-containing materials (see A.I.2 b.iii, also); and

(b) 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 A.I.2.c.ii.(a).

2. Additional Terms and Conditions (continued)

iii. 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
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 active lfg collection system shall satisfy the following requirements, as specified in 40 CFR Part 60.752(b)(2)(ii)(A):

i. 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.

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

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

2.e The collected lfg shall be vented to an open flare designed and operated as follows:

i. The flare shall be designed for and operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.

ii. The flare shall be operated with a flame present at all times.

iii. The permittee shall comply with either the requirements in paragraphs (a) and (b) or the requirements in paragraph (c) below:

2. Additional Terms and Conditions (continued)

(a) Flares shall be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or with the net heating value of the gas being combusted being 7.45 MJ/scm (200 Btu/scf) or greater if the flare is non-assisted. The net heating value of the gas being combusted shall be determined as follows:

Ht = k x (the summation of Ci x Hi for i=1 through i=n)

where:

Ht = net heating value of the sample, MJ/scm; where the net enthalpy per mole of off gas is based on combustion at 25 degrees C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20 degrees C

k = constant, 1.740 x 10-7 (1/ppm) (g mole/scm) (MJ/kcal) where the standard temperature for (g mole/scm) is 20 degrees C

Ci = concentration of sample component i in ppm on a wet basis, as measured for organics by Reference Method 18 and measured for hydrogen and carbon monoxide by ASTM D1946-77

Hi = net heat of combustion of sample component i, kcal/g mole at 25 degrees C and 760 mm Hg (The heats of combustion may be determined using ASTM D2382-76 (incorporated by reference as specified in Section 60.17) if published values are not available or cannot be calculated.)

(b) A steam-assisted and non-assisted flare shall be designed for and operated with an exit velocity of less than 18.3 m/sec (60 ft/sec), except:

(i) a steam-assisted and non-assisted flare shall be designed for and operated with an exit velocity of equal to or greater than 18.3 m/sec (60 ft/sec), but less than 122 m/sec (400 ft/sec) are allowed if the net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf); and

(ii) a steam-assisted and non-assisted flare shall be designed for and operated with an exit velocity of less than the velocity, Vmax, and less than 122 m/sec (400 ft/sec) are allowed; as determined by

Log10 (Vmax) = (Ht + 28.8)/31.7

where:

max = maximum permitted velocity, M/sec

28.8 = constant

31.7 = constant

Ht = the net heating value as determined in section A.I.2.e.iii.a. above

2. Additional Terms and Conditions (continued)

(c) Flares shall be used that have a diameter of 3 inches or greater, are non-assisted, have a hydrogen content of 8.0 percent (by volume), or greater, and are designed for and operated with an exit velocity less than 37.2 m/sec (122 ft/sec) and less than the velocity, Vmax, as determined by the following equation:

Vmax = (Xh2 - K1)* K2

where:

Vmax = maximum permitted velocity, m/sec

K1 = constant, 6.0 volume-percent hydrogen

K2 = constant, 3.9(m/sec)/volume-percent hydrogen

Xh2 = the volume-percent of hydrogen, on a wet basis, as calculated by using the American Society for Testing and Materials (ASTM) Method D1946-77

iv. Air-assisted flare shall be designed for and operated with an exit velocity of less than the velocity, Vmax, as determined by the following equation:

Vmax = 8.706+0.7084 (Ht)

where:

Vmax = maximum permitted velocity, m/sec

8.706 = constant

0.7084 = constant

Ht = the net heating value as determined in section A.I.2.e.iii.a. above

2.f The collection and control system may be capped or removed provided that all of the following conditions, as specified in 40 CFR Part 60.752(b)(2)(v), are met:

i. The landfill shall no longer be accepting solid waste and shall be permanently closed (pursuant to 40 CFR Part 258.60).

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

iii. The calculated NMOC gas produced by the landfill shall be less than 55 TPY on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

2.g This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

2. Additional Terms and Conditions (continued)

2.h 40 CFR Part 63, National Emissions Standards for Hazardous Air Pollutants:

i. Subpart AAAA establishes national emission standards for hazardous air pollutants for existing and new municipal solid waste (MSW) landfills. This subpart requires all landfills described in Section 63.1935 to meet the requirements of 40 CFR Part 60, Subpart Cc or WWW and requires timely control of bioreactors. This subpart also requires such landfills to meet the startup, shutdown, and malfunction (SSM) requirements of the general provisions of this part and provides that compliance with the operating conditions shall be demonstrated by parameter monitoring results that are within the specified ranges. It also includes additional reporting requirements.

ii. Municipal solid waste landfill or MSW landfill means an entire disposal facility in a contiguous geographical space where household waste is placed in or on land. A municipal solid waste landfill may also receive other types of RCRA Subtitle D wastes (see Section 257.2 of this chapter) such as commercial solid waste, nonhazardous sludge, conditionally exempt small quantity generator waste, and industrial solid waste. Portions of a municipal solid waste landfill may be separated by access roads. A municipal solid waste landfill may be publicly or privately owned. A municipal solid waste landfill may be a new municipal solid waste landfill, an existing municipal solid waste landfill, or a lateral expansion.

iii. This MSW landfill is an existing affected source. The facility is an existing source for Subpart AAAA because this MSW landfill has not commenced construction or reconstruction after November 7, 2000. The facility is an affected source for Subpart AAAA as defined in 40 CFR 63.1935(a)(3) because the facility has a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters and has estimated uncontrolled emissions equal to or greater than 50 megagrams per year NMOC as calculated according to Section 60.754(a) of Subpart WWW of the New Sorce Performance Standards,

iv. The permittee shall comply with this subpart by January 16, 2004. The permittee is no longer required to comply with this subpart when controls are no longer required by 40 CFR 60.752(b)(2)(v) of Subpart WWW.

v. As defined in Subpart AAAA, 40 CFR 63.1955, this MSW landfill is subject to the requirements of 40 CFR Part 60, Subpart WWW, the Subpart AAAA requirements in 40 CFR 63.1960 through 63.1985, and the following sections of 40 CFR Part 63 Subpart A, the General Provisions of the National Emissions Standards for Hazardous Air Pollutants for Source Categories (NESHAPS):

63.1(a), 63.1(b), 63.1(e), 63.2, 63.4, 63.5(b), 63.6(e), 63.6(f), 63.10(b)(2)(i) through 63.10(b)(2)(v), 63.10(d)(5), 63.12(a), and 63.15.

vi. For approval of collection and control systems that include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, record keeping or reporting provisions, the permittee must follow the procedures in 40 CFR 60.752(b)(2). If alternatives have already been approved under 40 CFR Part 60 Subpart WWW or the federal plan, or EPA approved and effective State or tribal plan, these alternatives can be used to comply with this subpart, except that all affected sources must comply with the SSM requirements in Subpart A of this part as specified in Table 1 of this subpart and all affected sources must submit compliance reports every 6 months as specified in Section 63.1980(a) and (b), including information on all deviations that occurred during the 6-month reporting period.

vii. General and Continuing Compliance Requirements

Compliance is determined in the same way it is determined for 40 CFR Part 60, Subpart WWW, including performance testing, monitoring of the collection system, continuous parameter monitoring, and other credible evidence. In addition, continuous parameter monitoring data, collected under 40 CFR 60.756(b)(1), (c)(1), and (d) of Subpart WWW, are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, the permittee has failed to meet the control device operating conditions described in this subpart and has deviated from the requirements of this subpart. Finally, 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.

2. Additional Terms and Conditions (continued)

viii. Deviations

(a) Emissions limitation means any emission limit, opacity limit, operating limit, or visible emissions limit.

(b) Deviation means any instance in which an affected source subject to this Subpart, or an owner or operator of such a source:

(i) fails to meet any requirement or obligation established by this subpart, including, but not limited to, any emissions limitation (including any operating limit) or work practice standard;

(ii) fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(iii) fails to meet any emission limitation (including any operating limit), or work practice standard in this Subpart during SSM, regardless of whether or not such failure is permitted by this Subpart.

(c) For the purposes of the landfill monitoring and SSM plan requirements, a deviation occurs when the control device operating parameter boundaries described in 40 CFR 60.758(c)(1) of Subpart WWW are exceeded, or, when an SSM plan is not developed, implemented, or maintained on site.

ix. Implementation and enforcement

This Subpart can be implemented and enforced by the U.S. EPA, or a delegated authority such as the applicable State, local, or tribal agency. If the EPA Administrator has delegated authority to a State, local, or tribal agency, then that agency as well as the U.S. EPA has the authority to implement and enforce this Subpart. Contact the applicable EPA Regional Office to find out if this Subpart is delegated to a State, local, or tribal agency.

In delegating implementation and enforcement authority of this Subpart to a State, local, or tribal agency under Subpart E of this part, the authority to approve alternatives to the standards in Section 63.1955 are retained by the EPA Administrator and are not transferred to the State, local, or tribal agency. Where these standards reference another subpart, the cited provisions will be delegated according to the delegation provisions of the referenced subpart.

II. Operational Restrictions

1. This facility shall be limited to accepting for disposal no more than 1,560,000 tons of waste (the total of all types of waste) per calendar year (BAT).

2. This facility shall be limited to accepting for disposal no more than 1,000 tons of regulated asbestos-containing materials (RACM) per day and 312,000 tons of RACM per calendar year (BAT).

3. The permittee shall be limited to inputting to the flare less than or equal to 3,500 dscf of landfill gas per minute and 1,840 million dscf of landfill gas per year.

4. The permittee shall operate the collection system such that gas shall be collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for 5 years or more if active, or for 2 years or more if closed or at final grade.

5. The permittee shall operate the collection system with negative pressure at each wellhead except under the following conditions:

5.a a fire or increased well temperature (the permittee shall record instances when positive pressure occurs in efforts to avoid a fire);

5.b use of a geomembrane or synthetic cover (the permittee shall develop acceptable pressure limits in the design plan); or

II. Operational Restrictions (continued)

5.c a decommissioned well (a well may experience a static positive pressure after shutdown to accommodate for declining flows).

All design changes shall be approved by the Director of Ohio EPA.

6. The permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees Celsius and with either a nitrogen level less than 20% or an oxygen level less than 5%. The permittee 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 nor significantly inhibit anaerobic decomposition by killing methanogens.

7. 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.

8. The permittee shall operate the collection system such that all collected gases are vented to a control system designed and operated in compliance with section A.I.2.e. 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 one hour.

9. The permittee shall operate the flare at all times when the collected gas is routed to the system.

10. A pilot flame shall be maintained at all times in the flare's pilot light burner.

11. The equipment associated with this emissions unit shall be operated and maintained by personnel properly trained in its operation.

12. Any section of landfill material exposed during construction shall be covered as soon as possible once construction of that section is complete.

13. During construction, all working areas, construction spoils and unpaved roadways associated with the emissions unit shall be watered down as necessary to minimize dust.

III. Monitoring and/or Record Keeping Requirements

1. BAT Monitoring and Record Keeping Requirements for the Material Handling Operations for the Landfill Disposal of MSW and RACM:

1.a Monitoring requirements

i. Except as otherwise provided in this section, the permittee shall perform inspections of the landfill operation areas in accordance with the following frequencies:

landfill areas:	minimum inspection frequency:
all landfill areas	twice daily

ii. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for PM. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a landfill operating 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.

iii. The permittee shall maintain a wind speed indicator to determine whether the wind is in excess of the 20 MPH limit.

1.b The permittee shall maintain records of the following information:

i. the following information associated with Additional Term and Condition A.I.2.a and its subsections:

(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;

III. Monitoring and/or Record Keeping Requirements (continued)

(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;

(d) records of the dates that watering was performed prior to or during dumping operations of any dry materials, or materials likely to become airborne, in order to minimize or eliminate visible emissions of fugitive dust;

(e) records of the dates that material was treated to prevent fugitive dust emissions from becoming airborne during periods of high wind speed;

(f) records of any days that dusty materials to be stored prior to disposal were watered or covered with a temporary soil cover in order to minimize or eliminate visible emissions of fugitive dust;

(g) 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;

ii. monthly records of the tons of the RACM and MSW disposed;

iii. the waste shipment record form for each shipment of RACM;

iv. the location, depth, area, and quantity in cubic yards of all RACM within the disposal site recorded on a map or diagram of the disposal area; and

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

(The records required in Term and Condition A.III.1.b.i. shall be kept for (i) the solid waste load-in operations, (ii) the surface working operations, and (iii) the cell surface (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.)

2. Monitoring and Record Keeping Requirements for the MSW lfg operations:

2.a For the active gas collection system, the permittee shall install a sampling port and a thermometer or other temperature measuring device at each wellhead and record the following information on a monthly basis:

i. The gauge pressure in the gas collection header at each individual well.

ii. The nitrogen or oxygen concentration in the landfill gas. The nitrogen level shall be determined using Method 3C of 40 CFR, Part 60, Appendix A, unless an alternative test method is established as allowed by 40 CFR, Part 60.752(b)(2)(i), or, the oxygen level shall be determined by an oxygen meter using Method 3A of 40 CFR, Part 60, Appendix A, unless an alternative test method is established as allowed by 40 CFR, Part 60.752(b)(2)(i), except that:

(a) the span shall be set so that the regulatory limit is between 20 and 50% of the span;

(b) a data recorder is not required;

(c) only two calibration gases are required, a zero and span, and ambient air may be used as the span;

(d) a calibration error check is not required; and

(e) the allowable sample bias, zero drift, and calibration drift are plus or minus 10%.

iii. The temperature of the landfill gas.

III. Monitoring and/or Record Keeping Requirements (continued)

2.b The permittee shall monitor surface concentrations of methane on a quarterly basis as follows:

i. For each collection area in which the collection system is required to be operated by the NSPS WWW, monitor surface concentrations of methane along the entire perimeter of the collection area, along a serpentine pattern spaced 30 meters apart (or a site-specific spacing established in the permittee's surface monitoring design plan, which may exclude unsafe areas), and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover.

ii. 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.

iii. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of Appendix A of 40 CFR, Part 60, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.

iv. 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 below shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements listed in A.II.7.

(a) The location of each monitored exceedance shall be marked and the location recorded.

(b) 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 remonitored within 10 calendar days of detecting the exceedance.

(c) If the remonitoring 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 remonitoring shows a third exceedance for the same location, 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 time line for installation may be submitted to the Ohio EPA for approval. No further monitoring of that location is required until the action specified has been taken.

(d) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day remonitoring specified above shall be remonitored 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 above shall be taken.

2.c The permittee shall install, calibrate, maintain, and operate according to the manufacturer's specifications and shall maintain records as indicated for the following equipment:

i. A heat sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself, to indicate the continuous presence of a flame.

ii. A device to continuously monitor the flare pilot flame when the emissions unit is in operation. The monitoring device and any recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. The permittee shall record the following information each day:

(a) all periods during which there was no pilot flame; and

(b) the downtime for the flare and monitoring equipment when the collection and control system is in operation.

iii. A gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes, or, if a gas flow rate measuring device is not installed, then the permittee shall secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

III. Monitoring and/or Record Keeping Requirements (continued)

2.d The permittee shall maintain, 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.

2.e The permittee shall maintain monthly records of the amount of landfill gas, in scf, inputted to the flare and the number of hours that the flare was operated.

2.f The permittee shall maintain monthly records of any malfunctions when unburned landfill gas was released from the flare.

2.g The permittee or his agent shall perform visible particulate emissions readings to determine compliance with the flare visible emissions limitation of no visible emissions except for a period not to exceed a total of five minutes during any consecutive two hours. The visible emissions reading shall be performed using USEPA Method 22 and the readings shall be performed on an annual basis.

The records of all visible particulate emissions readings required by this permit shall be maintained at the facility site for the life of the flare control device and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of visible particulate emissions readings shall include the items recommended to be recorded as specified in the appropriate method.

3. The permittee shall maintain the following information for the life of the lfg control equipment as measured during the initial performance test or compliance demonstration:

3.a The maximum expected gas generation flow rate as calculated based on the following:

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

Qm = 2Lo x R x {(e to the power -kc) - (e to the power -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, per year

t = age of the landfill, in years, 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)

c = time since closure, years (for an active landfill c = 0 and (e to the power -kc) = 1)

III. Monitoring and/or Record Keeping Requirements (continued)

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

Qm = Summation of 2kLoMi x (e to the power -kti for i=1 through i=n)

where,

Qm = maximum expected gas generation flow rate, cubic meters per year

k = methane generation rate constant, per year

Lo = methane generation potential, cubic meters per megagram solid waste

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

ti = age of the i'th 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 A.III.3.a.i. and ii.

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 A.III.3.a.i. or 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. (The permittee may use another method to determine the maximum gas generation flow rate if the method has been approved by the Ohio EPA.);

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

3.c The flare type (i.e., steam-assisted, air-assisted, or non-assisted).

3.d All visible emission readings.

3.e Heat content determinations of the gas.

3.f Flow rate or bypass flow rate measurements.

3.g Exit velocity determinations made during the performance test as specified in 40 CFR Part 60.18.

3.h Continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the flare pilot flame or flare flame is absent.

4. 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 Subpart AAAA.

5. After the installation of a collection and control system in compliance with 40 CFR Part 60.755, the permittee shall calculate (semiannually) and maintain records of the NMOC emission rate for the purposes of determining when the system can be removed as provided in 40 CFR Part 60.752(b)(2)(v) in accordance with the equation and procedures specified in 40 CFR Part 60.754(b), (b)(1), and (b)(2). The permittee may use another method to determine landfill gas flow rate and NMOC concentration if the method has been approved by the Ohio EPA as provided in 40 CFR Part 60.752(b)(2)(i)(B).

IV. Reporting Requirements

1. 40 CFR, Part 61, Subparts A & M (NESHAP) Reporting requirements for landfills which dispose of RACM:

IV. Reporting Requirements (continued)

1.a The permittee shall submit quarterly reports summarizing the asbestos disposal activities. These quarterly asbestos disposal activity reports shall be submitted not later than January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarters. The reports shall contain the following information:

i. 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

ii. 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.

1.b As soon as possible and no longer than 30 days after receipt of the waste, the permittee shall send a copy of the signed waste shipment record to the waste generator.

Upon discovering a discrepancy between the quantity of waste designated on a waste shipment record and the quantity actually received, the permittee shall attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the state, local, district, or USEPA regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different than the above, the Canton City Health Department, Air Pollution Control Division. Describe the discrepancy and attempts to reconcile it and submit a copy of the waste shipment record along with the report.

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

1.d The permittee shall notify the Canton City Health Department, Air Pollution Control Division 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:

i. scheduled starting and completion dates;

ii. reason for disturbing the waste;

iii. procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated RACM (if deemed necessary, the Director may require changes in the proposed emission control procedures); and

iv. location of any temporary storage site and the final disposal site.

2. BAT reporting requirements for the disposal of RACM

The permittee shall notify the Canton City Health Department, Air Pollution Control Division of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Waste Disposal Operating Procedure and 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.

IV. Reporting Requirements (continued)

3. BAT Reporting Requirements for the Control Measure Performance of the Material Handling Operations for the Landfill Disposal of MSW:

The permittee shall submit an annual report to the Canton City Health Department, Air Pollution Control Division, by January 31 of each year, covering the previous calendar year, containing all the dates that each control measure (required to be recorded in term and condition A.III.1.b.i and subsections) was implemented. This report shall also contain the tons of MSW disposed each month and the tons of MSW disposed in the year.

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

4.a each day during which an inspection required by A.III.1.a 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

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

5. An annual report shall be submitted by this facility to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue North, Canton, Ohio 44702-1544. This report shall be submitted by January 31 of each year and shall address the data obtained during the previous year. This report shall contain the amount of landfill gas input to the flare and the actual, annual NMOC emissions in TPY. The report shall include all the data, calculations, sample reports, and measurements used to estimate the actual, annual emissions.

6. An annual report shall be submitted by this facility to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue North, Canton, Ohio 44702-1544. This report shall be submitted by January 31 of each year and shall address the data obtained during the previous year. This report shall contain the tons of MSW and RACM disposed in each month and the tons of MSW and RACM disposed in the year at the facility.

7. NSPS WWW Collection System Requirements:

The permittee shall submit annual reports in accordance with 40 CFR 60.757(f), including paragraphs (f)(1) through (f)(6), except as indicated in A.IV.8. This report is to document the performance of the active gas collection system as required in 60.752(b)(2)(ii)(A).

8. Part 63 NESHAP Requirements:

8.a The permittee shall keep records and submit reports as specified in the general provisions of 40 CFR Part 60 and Subpart WWW except that the permittee shall submit the annual report described in 40 CFR 60.757(f) every 6 months. These reports shall be submitted following the timing required by 40 CFR 60.757(f) but shall be submitted semiannually and shall cover the previous six months. By maintaining compliance with this term and condition, compliance is also maintained with A.IV.7 above.

8.b The permittee shall keep records and submit reports as specified in 40 CFR Part 63 Subpart AAAA.

8.c The permittee shall keep records and submit reports as specified in the following sections of the general provisions, Subpart A, of 40 CFR Part 63. These sections include 63.1(a), 63.1(b), 63.1(e), 63.2, 63.4, 63.5(b), 63.6(e), 63.6(f), 63.10(b)(2)(i) through 63.10(b)(2)(v), 63.10(d)(5), 63.12(a), and 63.15 (Sections 63.4, 63.5(b), 63.6(e), 63.10(b)(2)(i) through 63.10(b)(2)(v), and 63.10(d)(5) should be examined especially closely.). Applicable records in the general provisions of 40 CFR Part 63 include items such as SSM plans and the SSM plan reports.

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 method:

V. Testing Requirements (continued)

1.a Emissions Limitation:

Material handling operations for the disposal of MSW: PM emissions shall not exceed 5.0 tons/yr.

Applicable Compliance Method:

Utilize the RACM emission factor of 0.046 ton PM emitted per acre per year (RACM pg. 2-79, Equation 1, mineral extraction, wind erosion from topsoil). The maximum acreage to be utilized is 3, per the permit application.

The calculated annual amount of tons of PM emitted = (0.046 ton PM/acre-year)(3 acres). The calculated annual amount of tons of PM emitted = 0.144 ton.

Compliance is demonstrated because the calculated annual PM emissions (0.144 TPY) are less than the allowable annual PM emissions (5.0 TPY).

1.b Emissions Limitation:

This facility shall ensure that solid wastes are deposited, spread and compacted in such a manner as to minimize or prevent visible emissions of fugitive dust.

Applicable Compliance Method:

Compliance shall be met by performing the required control measures in accordance with A.I.2.a.i and compliance shall be demonstrated by maintaining the records in accordance with A.III.1.b.i and subsections and submitting the reports in accordance with A.IV.3 and A.IV.4, and, if required, by use of Method 22 of 40 CFR, Part 60, Appendix A in accordance with OAC rule 3745-17-03 (B)(4).

1.c Emissions Limitation:

Any dusty materials or wastes likely to become airborne shall be watered, as necessary, prior to or during dumping operations in order to minimize or eliminate visible emissions (for the disposal of MSW).

Applicable Compliance Method:

Compliance shall be met by performing the required control measures in accordance with A.I.2.a.ii. and compliance shall be demonstrated by maintaining the records in accordance with A.III.1.b.i.(f) and submitting the reports in accordance with A.IV.3 and A.IV.4, and, if required, by use of Method 22 of 40 CFR, Part 60, Appendix A in accordance with OAC rule 3745-17-03 (B)(4).

1.d Emissions Limitation:

No dusty material shall be dumped during periods of high wind speed unless it has been treated to prevent it from becoming airborne.

Applicable Compliance Method:

Compliance shall be met by performing the required control measures in accordance with A.I.2.a.i and compliance shall be demonstrated by maintaining the records in accordance with A.III.1.b.i.(f) and submitting the reports in accordance with A.IV.3 and A.IV.4, and, if required, by use of Method 22 of 40 CFR, Part 60, Appendix A in accordance with OAC rule 3745-17-03(B)(4).

V. Testing Requirements (continued)

1.e Emissions Limitation:

Any dusty material to be stored prior to disposal shall be watered, as necessary, or have a temporary soil cover in order to minimize or eliminate visible emissions (for all waste materials except RACM).

Applicable Compliance Method:

Compliance shall be met by performing the required control measures in accordance with A.I.2.a.ii. and compliance shall be demonstrated by maintaining the records in accordance with A.III.1.b.i.(g) and submitting the reports in accordance with A.IV.3 and A.IV.4, and, if required, by use of Method 22 of 40 CFR, Part 60, Appendix A in accordance with OAC rule 3745-17-03 (B)(4).

1.f Emissions Limitation:

For material handling operations for the disposal of RACM: PM emissions shall not exceed 0.5 ton/yr and PM10 emissions shall not exceed 0.5 TPY.

Applicable Compliance Method:

The fugitive dust emissions calculations by G. Rizzo Associates, Inc. (received 07/20/95) for the unloading and spreading of C&D material for PTI modification 15-0766 gave an hourly PM emissions rate of 0.00275 lb per year. Assume that this emissions rate applies to this facility's RACM disposal also. The maximum amount of RACM to be handled per calendar year is 312,000 tons.

The calculated maximum annual amount of tons of PM emitted = (0.00275 lb PM emitted per ton of RACM handled)(312,000 tons maximum of RACM handled per calendar year) (1 ton per 2,000 lbs) = 0.43 ton PM emitted per calendar year.

Compliance is demonstrated because the calculated maximum annual PM emissions (0.43 TPY) are less than the allowable annual PM emissions (0.50 TPY).

1.g Emissions Limitation:

No visible emissions (for RACM).

Applicable Compliance Method:

Compliance shall be demonstrated through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22.

1.h Emissions Limitation:

No visible emissions from the flare, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.

Applicable Compliance Method:

Compliance shall be demonstrated through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22, and procedures specified in 40 CFR Part 60.18.

1.i Emissions Limitation:

36.7 lbs CO/hour

Applicable Compliance Method:

Compliance with this emission limitation shall be calculated in accordance with the application for Permit to Install number 15-1305 dated March 1997.

V. Testing Requirements (continued)

1.j Emissions Limitation:

161 TPY CO

Applicable Compliance Method:

The TPY emission limitation was developed by multiplying the calculated hourly CO emission rate from above by the maximum operating schedule of 8760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

1.k Emissions Limitation:

6.49 lbs NOx/hour

Applicable Compliance Method:

Compliance with this emission limitation shall be calculated in accordance with the application for Permit to Install number 15-1305 dated March 1997.

1.l Emissions Limitation:

28.5 TPY NOx

Applicable Compliance Method:

The TPY emission limitation was developed by multiplying the calculated hourly NOx emission rate from above by the maximum operating schedule of 8760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

1.m Emissions Limitation:

0.53 lb SO2/hour

Applicable Compliance Method:

Compliance with this emission limitation shall be calculated in accordance with the application for Permit to Install number 15-1305 dated March 1997.

1.n Emissions Limitation:

2.30 TPY SO2

Applicable Compliance Method:

The TPY emission limitation was developed by multiplying the calculated hourly SO2 emission rate from above by the maximum operating schedule of 8760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

1.o Emissions Limitation:

0.85 lb HCl/hour

Applicable Compliance Method:

Compliance with this emission limitation shall be calculated in accordance with AP-42 Section 2.4, dated 11/98, utilizing the maximum NMOC flow rate of 3,500 scfm and the default concentration of 42.00 ppmv of total chlorides.

V. Testing Requirements (continued)

1.p Emissions Limitation:

3.7 TPY HCl

Applicable Compliance Method:

The TPY emission limitation was developed by multiplying the calculated hourly HCl emission rate from above by the maximum operating schedule of 8760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

1.q Emissions Limitation:

1.10 lbs NMOC/Hr

Applicable Compliance Method:

Compliance with this emission limitation shall be calculated in accordance with the application for Permit to Install number 15-1305 dated March 1997.

1.r Emissions Limitation:

4.80 TPY NMOC

Applicable Compliance Method:

The TPY emission limitation was developed by multiplying the calculated hourly NMOC emission rate from above by the maximum operating schedule of 8760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

1.s Emissions Limitation:

0.30 lb PM/hour

Applicable Compliance Method:

Compliance with this emission limitation shall be calculated in accordance with the application for Permit to Install number 15-1305 dated March 1997.

1.t Emissions Limitation:

1.31 TPY PM

Applicable Compliance Method:

The TPY emission limitation was developed by multiplying the calculated hourly PM emission rate from above by the maximum operating schedule of 8760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

2. Initial flare performance test: the permittee shall conduct or have conducted, within 90 days after the installation of the collection and control system, an initial performance test to demonstrate that the flare can operate in conformance with the requirements specified in 40 CFR Part 60.18. The net heating value of the gas being combusted in the flare and the actual exit velocity of the flare shall be determined in accordance with the procedures and methods specified in 40 CFR Part 60.18. The visible emission evaluation shall be conducted in accordance with the procedures specified in Section A.V.1.h.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Solidification Material Handling (F004)

Activity Description: Material handling of solids for solidification operations. Storage pile for binding agent.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Storage pile for binding agent used in the solidification process of non-hazardous liquid wastes	OAC rule 3745-31-05(A)(3) (PTI 15-01444 issued 12/19/00)	70 tons PM/year See sections A.I.2.a through A.I.2.c.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)	See section A.I.2.d.

2. Additional Terms and Conditions

2.a There shall be no visible emissions except for a period of time not to exceed one minute during any sixty-minute operating period during periods when the storage pile is dormant. The pile is dormant when there is no unloading of binding agent from delivery vehicles into or around the pile, no removal of binding agent from the pile, and no placement of binding agent in and around the pile.

2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, during unloading of binding agent from delivery vehicles into or around the pile, removal of binding agent from the pile, and the placement of binding agent in and around the pile.

2.c As BAT for this emissions unit, the permittee is required to minimize the drop height during handling of binding agent, water as needed to minimize fugitive emissions during loading and unloading, and when loading to or unloading from the pile is not occurring, tarp the storage pile in order to minimize wind erosion of the pile's surface. Nothing in this permit shall prohibit the permittee from employing additional control measures to ensure compliance.

2.d This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

II. Operational Restrictions

1. In order to minimize visible particulate emissions of fugitive dust the permittee shall:

1.a minimize drop height during the unloading of binding agent from delivery vehicles into or around the pile, the removal of binding agent from the pile, and the placement of binding agent in and around the pile;

1.b maintain and operate a watering system consisting of a permanent water storage tank, hoses, nozzles, and any other necessary equipment to spray water on the binding agent (water shall be sprayed whenever necessary to minimize visible particulate emissions of fugitive dust such that there are no violations of the visible particulate emissions limitations in this permit);

II. Operational Restrictions (continued)

1.c keep the storage pile covered with a tarp when the storage pile is dormant (watering as described in the paragraph above shall be conducted as necessary according to section A.III.1.c); and

1.d not dump binding agent or dusty materials during periods when the wind speed exceeds 20 MPH unless the material has been watered prior to the dumping and will be watered during the dumping operation. The permittee shall utilize the wind speed indicator required for the operation of emissions unit F002, Landfill Operations, to obtain wind speed reading.

2. This emissions unit shall be operated such that emissions generated from the handling of the binding agent are minimized in accordance with good engineering judgment.

III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-in inspection frequency
binding agent storage pile	daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-out inspection frequency
binding agent storage pile	daily

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification	minimum wind erosion inspection frequency
binding agent storage pile	daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile 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.

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

6. 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 pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in A.III.6.d shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

III. Monitoring and/or Record Keeping Requirements (continued)

7. A daily record of water applications required by this permit shall be maintained by the permittee. The record of each water application shall include the date of the water application, the amount of water applied, and if the watering was being done for wind erosion.

8. The permittee shall maintain daily records of the number of tons of binding agent unloaded.

9. The permittee shall maintain records of the calculated annual PM emissions rate. This emissions rate shall be calculated by multiplying the total annual binding agent handling rate for this emissions unit, in tons of binding agent per year, by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4).

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 reporting requirements of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that specify the calculated annual PM emissions for this emissions unit. Each annual report shall be sent to the Canton local air agency by January 31 of each calendar year.

4. The permittee shall submit a semiannual water application report containing the records of each water application required including if the watering was performed for wind erosion, the amount of water applied each day, and the date of each water application. Semiannual reports shall be sent to the Canton local air agency by January 31 and July 31 of each calendar year.

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:

1.a Emissions Limitation:

70 tons PM/year

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the total annual binding agent handling rate for this emissions unit, in tons of binding agent per year, by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4).

1.b Emissions Limitation:

There shall be no visible emissions except for a period of time not to exceed one minute during any sixty-minute operating period during periods when the storage pile is dormant. The pile is dormant when there is no unloading of binding agent from delivery vehicles into or around the pile, no removal of binding agent from the pile, and no placement of binding agent in and around the pile.

Applicable Compliance Method:

Compliance shall be demonstrated by USEPA Method 22 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(4).

V. Testing Requirements (continued)

1.c Emissions Limitation:

Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, during unloading of binding agent from delivery vehicles into or around the pile, removal of binding agent from the pile, and the placement of binding agent in and around the pile.

Applicable Compliance Method:

Compliance shall be demonstrated by USEPA Method 9 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(3).

VI. Miscellaneous Requirements

1. Authority to Enter

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

2. In this emissions unit, the permittee shall not process liquid wastes that are hazardous wastes, radioactive wastes, regulated polychlorinated biphenyl (PCB) Wastes, or asbestos-containing wastes.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Solidification Mixing Basin #1 (F005)

Activity Description: Mixing of liquid wastes with absorbant solids

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Solidification Pit #1 for the processing of liquid non-hazardous industrial waste prior to landfilling (This emissions unit involves the placement of the binding agent into an in-ground, open topped, mixing tank and mixing the binding agent with liquid non-hazardous industrial wastes in the tank to produce solid waste.)	OAC rule 3745-31-05(A)(3) (PTI 15-01444 issued 12/19/00)	35 tons PM/year See sections A.I.2.a through A.I.2.c.
	OAC rules 3745-17-08(B) and 3745-17-07(B)	See section A.I.2.d.

2. Additional Terms and Conditions

2.a Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a three-minute average during the placement of the binding agent into the in-ground solidification tank and during the mixing process.

2.b As BAT for this emissions unit, the permittee shall minimize the drop height during the handling of binding agent and shall water as needed to minimize emissions. Nothing in this permit shall prohibit the permittee from employing additional control measures to ensure compliance.

2.c This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

II. Operational Restrictions

1. In order to minimize visible particulate emissions of fugitive dust, the permittee shall:

1.a conduct mixing of the liquid wastes and binding agent in the in-ground tank only;

1.b minimize the drop height during the loading of the in-ground tank;

1.c maintain and operate a watering system consisting of a permanent water storage tank, hoses, nozzles, and any other necessary equipment to spray water on the binding agents (water shall be sprayed whenever necessary to minimize or eliminate visible particulate emissions of fugitive dust such that there are no violations of the visible particulate emission limitation in this permit); and

II. Operational Restrictions (continued)

1.d not dump dusty materials into the in-ground tank during periods when wind speed exceeds 20 MPH unless the material has been watered prior to the dumping and will be watered during the dumping operation. The permittee shall utilize the wind speed indicator required for the operation of emissions unit F002, Landfill Operations, to obtain wind speed reading.

2. This emissions unit shall be operated such that emissions generated from the handling of the binding agent are minimized in accordance with good engineering judgment.

III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
adding and mixing binding agent	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

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

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

c. the dates the control measure(s) was (were) implemented; and

d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in A.III.4.d shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

4. A daily record of water applications required by this permit shall be maintained by the permittee. The record of each water application shall include the date of the water application and the amount of water applied.

5. The permittee shall maintain daily records of the quantity of binding agent mixed in the in-ground tank, in tons.

6. The permittee shall maintain records of the calculated annual PM emissions rate. This emissions rate shall be calculated by multiplying the total annual binding agent handling rate for this emissions unit, in tons of binding agent per year, by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4).

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; and

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

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that specify the calculated annual PM emissions for this emissions unit. Each annual report shall be sent to the Canton local air agency by January 31 of each calendar year.

IV. Reporting Requirements (continued)

4. The permittee shall submit a semiannual water application report containing the records of each water application required including the amount of water applied each day and the date of each water application. Semiannual reports shall be sent to the Canton local air agency by January 31 and July 31 of each calendar year.

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:

1.a Emissions Limitation:

35 TPY PM

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the total annual binding agent handling rate for this emissions unit, in tons of binding agent per year, by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4).

1.b Emission Limitation:

Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, during the placement of the binding agents into the in-ground solidification tank and during the mixing process.

Applicable Compliance Method:

Compliance shall be demonstrated by USEPA Method 9 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(3).

VI. Miscellaneous Requirements

1. In this emissions unit, the permittee shall not process liquid wastes that are hazardous wastes, radioactive wastes, regulated polychlorinated biphenyl (PCB) wastes, or asbestos-containing wastes.

2. The permittee shall not utilize any combination of binding agents and liquid wastes in this emissions unit that will result in the emissions of any air contaminant, except particulate matter, in excess of the de minimis amounts, in accord with the de minimis rule, OAC rule 3745-15-05, unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. In addition, the permittee shall not utilize the solid waste from an aluminum foundry known as hot cake as a binding agent to mix with non-hazardous liquid waste unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. The permittee may utilize the solid waste from an aluminum foundry which has been previously weathered as a binding agent to mix with non-hazardous liquid waste.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Solidification Mixing Basin #2 (F006)

Activity Description: Mixing of liquid wastes with absorbant solids

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Solidification Pit #2 for the processing of liquid non-hazardous industrial waste prior to landfilling (This emissions unit involves the placement of the binding agent into an in-ground, open topped, mixing tank and mixing the binding agent with liquid non-hazardous industrial wastes in the tank to produce solid waste.)	OAC rule 3745-31-05(A)(3) (PTI 15-01444 issued 12/19/00)	35 tons PM/year See sections A.I.2.a through A.I.2.c.
	OAC rules 3745-17-08(B) and 3745-17-07(B)	See section A.I.2.d.

2. Additional Terms and Conditions

2.a Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a three-minute average during the placement of the binding agent into the in-ground solidification tank and during the mixing process.

2.b As BAT for this emissions unit, the permittee shall minimize the drop height during the handling of binding agent and shall water as needed to minimize emissions. Nothing in this permit shall prohibit the permittee from employing additional control measures to ensure compliance.

2.c This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

II. Operational Restrictions

1. In order to minimize visible particulate emissions of fugitive dust, the permittee shall:

1.a conduct mixing of the liquid wastes and binding agent in the in-ground tank only;

1.b minimize the drop height during the loading of the in-ground tank;

1.c maintain and operate a watering system consisting of a permanent water storage tank, hoses, nozzles, and any other necessary equipment to spray water on the binding agents (water shall be sprayed whenever necessary to minimize or eliminate visible particulate emissions of fugitive dust such that there are no violations of the visible particulate emission limitation in this permit); and

II. Operational Restrictions (continued)

1.d not dump dusty materials into the in-ground tank during periods when wind speed exceeds 20 MPH unless the material has been watered prior to the dumping and will be watered during the dumping operation. The permittee shall utilize the wind speed indicator required for the operation of emissions unit F002, Landfill Operations, to obtain wind speed reading.

2. This emissions unit shall be operated such that emissions generated from the handling of the binding agent are minimized in accordance with good engineering judgment.

III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
adding and mixing binding agent	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

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

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

c. the dates the control measure(s) was (were) implemented; and

d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in A.III.4.d shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

4. A daily record of water applications required by this permit shall be maintained by the permittee. The record of each water application shall include the date of the water application and the amount of water applied.

5. The permittee shall maintain daily records of the quantity of binding agent mixed in the in-ground tank, in tons.

6. The permittee shall maintain records of the calculated annual PM emissions rate. This emissions rate shall be calculated by multiplying the total annual binding agent handling rate for this emissions unit, in tons of binding agent per year, by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4).

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; and

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

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that specify the calculated annual PM emissions for this emissions unit. Each annual report shall be sent to the Canton local air agency by January 31 of each calendar year.

IV. Reporting Requirements (continued)

4. The permittee shall submit a semiannual water application report containing the records of each water application required including the amount of water applied each day and the date of each water application. Semiannual reports shall be sent to the Canton local air agency by January 31 and July 31 of each calendar year.

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:

1.a Emissions Limitation:

35 TPY PM

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the total annual binding agent handling rate for this emissions unit, in tons of binding agent per year, by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4).

1.b Emission Limitation:

Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, during the placement of the binding agents into the in-ground solidification tank and during the mixing process.

Applicable Compliance Method:

Compliance shall be demonstrated by USEPA Method 9 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(3).

VI. Miscellaneous Requirements

1. In this emissions unit, the permittee shall not process liquid wastes that are hazardous wastes, radioactive wastes, regulated polychlorinated biphenyl (PCB) wastes, or asbestos-containing wastes.

2. The permittee shall not utilize any combination of binding agents and liquid wastes in this emissions unit that will result in the emissions of any air contaminant, except particulate matter, in excess of the de minimis amounts, in accord with the de minimis rule, OAC rule 3745-15-05, unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. In addition, the permittee shall not utilize the solid waste from an aluminum foundry known as hot cake as a binding agent to mix with non-hazardous liquid waste unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. The permittee may utilize the solid waste from an aluminum foundry which has been previously weathered as a binding agent to mix with non-hazardous liquid waste.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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