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

9/24/2014

Genevieve Damico *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: Sunny Farms Landfill
Facility ID: 0374010199
Permit Type: Minor Permit Modification
Permit Number: P0117316

Dear Ms. Damico:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-2835 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Erica R. Engel-Ishida, Interim Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA DAPC, Northwest District Office

PROPOSED

Division of Air Pollution Control
Title V Permit
for
Sunny Farms Landfill

Facility ID:	0374010199
Permit Number:	P0117316
Permit Type:	Minor Permit Modification
Issued:	9/24/2014
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
Sunny Farms Landfill

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Authorization

Facility ID:	0374010199
Facility Description:	Refuse Systems
Application Number(s):	A0050687
Permit Number:	P0117316
Permit Description:	Title V Minor Permit Modification to Municipal Solid Waste Landfill (with Landfill Gas Collection System and Open Flare) to increase landfill gas collection and control to reduce odors.
Permit Type:	Minor Permit Modification
Issue Date:	9/24/2014
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance
Superseded Permit Number:	P0115191

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Sunny Farms Landfill
12500 West County Road 18
Fostoria, OH 44830

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

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. 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. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Northwest District Office. 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, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting For State-Only Requirements

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(5) Standard Term and Condition A. 30.

(Authority for term: ORC 3704.036(A))

2. 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 C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

(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 recordingsfor 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:

(1) 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 Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) 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 submittedscheduled maintenancerequests, 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))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions 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 submitted promptly to the Ohio EPA DAPC, Northwest District Office. 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 deviation reports shall satisfy the requirements 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. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

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 satisfies the reporting requirements specified in this Standard 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 (for the deviations so reported) the requirements 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 Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) 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 Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted to the Ohio EPA DAPC, Northwest District Office by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from

federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

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 and 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 Standard Term and Condition A.2.c)(2) 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) and OAC rule 3745-77-07(A)(13)(b))

(4) 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." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Ohio EPA DAPC, Northwest District Office unless otherwise specified.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From 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 Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. 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))

5. 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))

6. 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))

7. General Requirements

a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and 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 permitexcept as provided pursuant to A.16 below.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.11 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.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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))

9. 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))

10. 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 standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. 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))

12. 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))

13. 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

Officialthat, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

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

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

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

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

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

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

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

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 Ohio EPA DAPC, Northwest District Office) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) 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.

(2) Compliance certifications shall include the following:

a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittentconsistent with A.13.d.2.a above.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) 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))

14. 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))

15. 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 Ohio EPA DAPC, Northwest District Office 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 Ohio EPA DAPC, Northwest District Office 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))

16. 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))

17. 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, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). 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))

18. 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 Federal Register 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that is subject to one or more applicable requirements shall comply with those applicable requirements.

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

20. 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))

21. 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))

22. 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 from the Responsible Official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the Responsible Official that the emissions unit was permanently shut down.

After the date on which 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 Title V permit 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.

Unless otherwise exempted, noemissions unit identified in this permit that has beencertified 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.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons operating appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11)))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

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 theOhio EPA DAPC, Northwest District Office.

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 Ohio EPA DAPC, Northwest District Office. 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, 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.)

25. Records Retention RequirementsUnder State Law Only

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.

26. 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.

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

27. Scheduled Maintenance/Malfunction Reporting For State-Only Requirements

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 Ohio EPA DAPC, Northwest District Office 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).

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The Ohio EPA DAPC, Northwest District Office must be notified in writing of any transfer of this permit.

(Authority for term: OAC rule 3745-77-01(C))

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

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 Standard Term and Condition A.2.c)(2); or

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 potential to emit; or

c) where the company's Responsible Official has certified that an emissions unit has been permanently shut down.

30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event ofan alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Ohio EPA DAPC, Northwest District Office, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. There are no insignificant emissions units with applicable requirements at this facility.

C. Emissions Unit Terms and Conditions

1. F002, Plant Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Unpaved roadways and parking areas

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T) (PTI P0107591 issued January 19, 2012)	There shall be no visible PE from the unpaved roadways and parking areas, except for a period of time not to exceed three minutes during any 60-minute observation period. There shall be no visible PE from the paved roadways and parking areas, except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a through b)(2)f.]
b.	OAC rule 3745-17-07(B)(1)	See b)(2)g.
c.	OAC rule 3745-17-08(B)	See b)(2)h.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water or other suitable dust suppression chemicals, at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the

permittee from employing other equally-effective control measures to ensure compliance.

b. 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 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.

c. Any unpaved roadway or parking area, which during the term of this permit takes the characteristics of a paved surface due to the application of certain types of dust suppressants, shall remain subject to the visible emission limitation for unpaved roadways and parking areas.

d. The permittee shall promptly remove, in such a manner as to minimize or prevent re-suspension, 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.

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

f. 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 ORC 3704.03(T).

g. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

h. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

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

Roadways and Parking Areas:	Minimum Inspection Frequency:
All	Once per day of operation

[OAC rule 3745-77-07(C)(1) and PTI P0107591]

(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.
[OAC rule 3745-77-07(C)(1) and PTI P0107591]

(3) The permittee shall maintain records of the following information:

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

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

c. the dates the control measures were implemented; and

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

The information required in d)(3)d shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
[OAC rule 3745-77-07(C)(1) and PTI P0107591]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify any of the following:

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

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

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
[OAC rule 3745-77-07(C)(1) and PTI P0107591]

f) Testing Requirements

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

Emission Limitation:
There shall be no visible PE from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

There shall be no visible PE from paved roadways and parking areas except for a period of time not to exceed 1 minute during any 60-minute observation period.

Applicable Compliance Method:
If required, compliance with the visible PE limitations listed above 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").
[OAC rule 3745-77-07(C)(1) and PTI P0107591]

g) Miscellaneous Requirements

(1) None.

2. F003, Railcar Unload Building

Operations, Property and/or Equipment Description:

Railcar unloading transfer station of construction and demolition debris

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(F) (PTI P0107155 issued March 11, 2011)	0.98 ton fugitive particulate matter less than 10 microns (PM_{10}) per year There shall be no visible particulate emissions from the egress points serving the building enclosure except for three minutes during any sixty-minute period. There shall be no visible particulate emissions from the outdoor railcar cleanup operations except for three minutes during any sixty-minute period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust to the extent that the above visible emissions limitation is met [See b)(2)e through b)(2)g.]
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	See b)(2)c.
c.	OAC rule 3745-31-05(A)(3), as effective 12/01/06	See b)(2)d.
d.	OAC rule 3745-17-07(B)(1)	See b)(2)i.
e.	OAC rule 3745-17-08(B)	See b)(2)j.

(2) Additional Terms and Conditions

a. The following materials are permitted to be handled at this solid waste transfer station:

i. Municipal Solid Waste (MSW);
ii. Construction and Demolition Debris (C&DD);
iii. Non-toxic fly ash and/or bottom ash;
iv. POTW sludge; and
v. Category I non-friable Asbestos-Containing Material (ACM).

The materials permitted above do not exempt the permittee from complying with the rules and regulations of the Ohio EPA Division of Solid and Infectious Waste and the Division of Hazardous Waste.
[OAC rule 3745-31-05(F)]

b. All materials shall be inspected and all shipping papers reviewed prior to unloading to ensure no undesirable materials are included in the shipment. No Regulated Asbestos-Containing Materials (RACM), hazardous wastes, infectious wastes, materials contaminated with radioactive materials, or materials contaminated with PCBs shall be handled in this emissions unit.
[OAC rule 3745-31-05(F)]

c. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit for PM_{10}. The requirements of this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(E); therefore, the permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit for PM_{10}.

On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 Changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

d. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to the PE from this emissions unit. BAT (under Senate Bill 265 changes) is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. PE (also referred to as

total suspended particulate or particulate matter) is an air contaminants that does not involve an established NAAQS.

Additionally, the Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to the PM_{10}emissions from this air contaminant source because they are less than 10 tons per year.

e. The permittee has requested the voluntary emission limitations and restrictions established by this rule in order to avoid the Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a). It shall be noted that the emissions limitations and control requirements established pursuant to OAC rule 3745-31-05(F) are not federally enforceable.

f. The material handling operations that are covered by this permit and subject to the above mentioned requirements are listed below:

   i. unloading of materials from railcars with an excavator and subsequent loading of materials into trucks;

   ii. any other miscellaneous material handling operations inside the railcar unloading building (i.e. handling of material that was spilled during unloading and loading operations, etc.); and

   iii. outdoor railcar cleaning operations following the unloading of materials inside the building.

   [OAC rule 3745-31-05(F)]

g. In order to minimize the fugitive dust generated from the above material handling operations and to ensure compliance with the visible emission limitations:

   i. The material handling operations identified in b)(2)e.i. and b)(2)e.ii.above shall be contained within a building enclosure. Two ends of the enclosure may be open to allow the railcars and trucks to enter and exit the enclosure. Another opening may be permitted to allow the flexibility the excavator may require to operate. The enclosure shall be designed, built, and operated to minimize the escape of fugitive dust from the enclosure.

   ii. The permittee shall ensure that the unloading of materials from the rail cars and the subsequent loading of materials into trucks shall be done in a manner that will minimize the drop height of the materials.

   iii. The permittee shall install, operate and maintain equipment to adequately saturate every railcar load with water prior to unloading.

   iv. The permittee shall ensure that any material remaining in the railcar is adequately wet prior to performing any subsequent cleaning operations outside of the building.

v. If during the handling of any load, the material becomes airborne, the material shall be watered, as necessary, to minimize visible particulate emissions of fugitive dust.
[OAC rule 3745-31-05(F)]

h. For purposes of federal enforceability, the uncontrolled potential to emit of this emissions unit was calculated to be 17.8 tons fugitive PM_{10}.

The uncontrolled PTE was calculated by multiplying an emission factor of 0.05 pound PE/ton material processed (from RACM document, pg. 2-72, 9/1980) by a maximum annual material processing rate of 5,475,000 tons and then dividing by 2,000 pounds/ton. The PM10 emission rate was estimated by using a derived particle size multiplier of 0.13 pound PM_{10}/pound PE from AP-42 Chapter 11.9.

i. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

j. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) The maximum daily material receipt rate for this emissions unit shall not exceed 7500 tons.
[OAC rule 3745-77-07(A)(1) and PTI P0107155]

(2) The permittee shall saturate each railcar load with water prior to unloading.
[OAC rule 3745-77-07(A)(1) and PTI P0107155]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain daily records for this emissions unit of the total material received, in tons, for each calendar day.
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

(2) The permittee shall perform daily checks, when the emissions unit is in operation, for any visible emissions of fugitive dust from the following areas:

a. the egress points (i.e., building windows, doors, roof monitors, etc.) serving the building that encloses the railcar unloading operation; and

b. the railcar cleanup operation.

The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

c. the color of the emissions;

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

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

The above records shall be kept separately for the areas identified in d)(2)a and d)(2)b.
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

(3) The permittee shall maintain daily records that document any time periods when the permittee was unable to saturate the railcar loads prior to unloading.
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify any exceedance of the daily material throughput restriction of 7500 tons.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

(2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all days during which any visible emissions of fugitive dust were observed from:

i. the egress points (i.e., building windows, doors, roof monitors, etc.) serving the building that encloses the railcar unloading operation; and

ii. the railcar cleanup operation; and

b. describe any corrective actions taken to eliminate the visible emissions.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

(3) The permittee shall notify the Director (appropriate District Office or local air agency) of any time periods during which the permittee was unable to saturate the railcar loads prior to unloading. The notification shall be submitted within 30 days after the event occurs.

This notification does not exempt the permittee from the control equipment malfunction and scheduled maintenance requirements of OAC rule 3745-15-06.
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

f) Testing Requirements

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

a. <u>Emissions Limitation:</u>
0.98 ton fugitive PM_{10} /year

Applicable Compliance Method:
Compliance with the fugitive PM10 emission limitation shall be determined using an emissions factor of 0.05 pounds PE/ton material processed (from RACM document, pg. 2-72, 9/1980).

This emission limit was established based on the following:

i. There is a maximum of 5,475,000 tons material processed through the emissions unit per year. [The annual material processed through this emissions unit was estimated by multiplying the maximum daily throughput of 7,500 tons by 365 days/year and assuming that all of the material is handled two times to account for both the railcar unloading and subsequent truck loading operations.]

ii. 90% of the total material processed through the emissions unit is handled within the building enclosure equipped with a wet suppression system.

iii. The building enclosure and wet suppression system is capable of controlling fugitive emissions by 95%.

iv. 10% of the total material processed through the emissions unit is handled during the railcar cleanup operation.

v. The water carryover from the wet suppression system controls 90% of the fugitive emissions from the railcar cleanup operation.

vi. A derived particle size multiplier of 0.13 pound PM_{10} /pound PE from AP-42 Chapter 11.9 was used to estimate the PM_{10} emission rate.

[OAC rule 3745-77-07(C)(1) and PTI P0107155]

b. Emissions Limitations:
There shall be no visible particulate emissions from the egress points serving the building enclosure except for three minutes during any sixty-minute period.

There shall be no visible particulate emissions from the outdoor railcar cleanup operations except for three minutes during any sixty-minute period.

Applicable Compliance Method:
Compliance with the visible emissions limitations 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").
[OAC rule 3745-77-07(C)(1) and PTI P0107155]

g) Miscellaneous Requirements

(1) None.

3. P902, Solid Waste/Asbestos Landfill

Operations, Property and/or Equipment Description:

Asbestos, municipal solid waste (MSW) and construction and demolition debris (C and DD) landfill operations

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T) (PTI P0116255 issued April 23, 2014)	See b)(2)a and b)(2)b. Landfill Gas Collection and Control System – Maintenance, Monitoring and Recordkeeping Plan [See b)(2)q.] <u>Flare Emissions:</u> The flare shall be designed to meet: 0.37 pound carbon monoxide (CO) /mmBtu of gas combusted 0.068 pound nitrogen oxides (NO_X) /mmBtu of gas combusted 17 pounds particulate matter less than 10 microns (PM_{10}) /10^6dscf of methane gas combusted 98% VOC destruction efficiency from flare <u>Fugitive Landfill Gas Emissions:</u> 9.36 tons fugitive volatile organic compounds (VOC) per rolling 12-month period <u>Fugitive Particulate Emissions:</u> Visible fugitive particulate emissions (PE)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		from the landfill and construction operations shall not exceed 20% opacity, as a three-minute average. [See b)(2)d through b)(2)f.] There shall be no visible emissions to the outside air from asbestos-containing waste materials during the on-site transportation, transfer, deposition, or compacting operations. [See b)(2)r.]
b.	OAC rule 3745-31-05(D) (PTI P0116255 issued April 23, 2014)	479.0 tons sulfur dioxide (SO_2) per rolling 12-month period [See b)(2)c.]
c.	40 CFR 60.750 et seq. (NSPS Subpart WWW)	See b)(2)g, c)(3), d)(2), e)(4), and f)(2).
d.	40 CFR 63.1930 et seq. (MACT Subpart AAAA)	None [See b)(2)h.]
e.	40 CFR 61.140 et seq. [NESHAP Subpart M]	See b)(2)i through b)(2)k.
f.	OAC rules 3745-20-05, 20-06, and 20-07	See b)(2)l through b)(2)o; d)(8) through d)(10); and e)(7) through e)(10), e)(13), and e)(14).
g.	OAC rule 3745-31-05(E)	See b)(2)p.
h.	ORC 3704.03(F) and OAC rule 3745-114-01	See d)(12) through d)(15), and e(17).
i.	OAC rule 3745-17-07(B)(1)	See b)(2)s.
j.	OAC rule 3745-17-08(B)	See b)(2)t.

(2) Additional Terms and Conditions

a. The VOC emission limitations represent the VOC portion of the nonmethane organic compound (NMOC) emission rate from the landfill. For the purpose of this permit and federal enforceability, VOC emissions have been determinedby applying the AP-42 Chapter 2.4 (11/98) conversion rate of 39% to the predicted NMOC emission rate from the Landfill Gas Emission Model (LandGEM). An NMOC emission limit was not established by this rule because there is not an established national ambient air quality standard (NAAQS) associated with NMOC.
[ORC 3704.03(T)]

b. Best Available Technology (BAT) requirements include compliance with the SO_2 emission limitation established in accordance with OAC rule 3745-31-05(D).
[ORC 3704.03(T)]

c. This permit establishes a federally enforceable emission limitation for the purpose of limiting potential to emit (PTE) to avoid PSD applicability. The

following federally enforceable emission limitation is based on the operational restriction contained in c)(2):

i. 479.0 tons sulfur dioxide (SO_2) per 12-month rolling period.
[OAC rule 3745-31-05(D)]

d. The following landfill fugitive dust operations/sources are covered by this permit and subject to the above requirements:

i. daily cover handling and placement;
ii. waste handling/dumping;
iii. spreading, grading and compaction;
iv. soil transport/construction (dirt) roadways; and
v. storage pile activities.
[ORC 3704.03(T)]

e. The permittee shall employ best available control measures for the above-identified landfill fugitive dust operations/sources for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance.
[ORC 3704.03(T)]

f. The above-mentioned control measures shall be employed if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.

Implementation of the control measures shall not be necessary for fugitive dust sources which are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
[ORC 3704.03(T)]

g. The permittee shall comply with the applicable emission standards and additional requirements under 40 CFR Part 60, Subpart WWW, including the following sections:

Uncontrolled Landfill: **(greater than 2.5 million cubic meters by volume; less than 50 Mg NMOC)**	
60.752(b)(1)	Annual NMOC calculation.
Controlled Landfill: **(greater than 50 Mg uncontrolled NMOC)**	
60.752(b)(2)(i)	Gas collection and control design plan.
60.752(b)(2)(ii)	Timeframe for installation of gas collection and control

	systems and requirements of active and passive gas collection systems.
60.752(b)(2)(iii)	Control system requirements for collected gas.
60.752(b)(2)(iii)(A)	Open flare requirements in accordance with §60.18.
60.752(b)(2)(iii)(B)	Control system capable of 98%, by weight, destruction of NMOC, or otherwise provided by rule for closed combustors.
60.752(b)(2)(iii)(C)	Route collected gas to treatment system that processes gas for subsequent sale or use.
60.752(b)(2)(iv)	Operation of collection and control device in accordance with the provisions of the rule.
60.752(b)(2)(v)	Provisions for capping or removing of collection and control systems.
60.759(a), (b), and (c)	Specifications for active collection systems.

[40 CFR Part 60, Subpart WWW]

h. This facility is not subject to 40 CFR Part 63, Subpart AAAA, pursuant to 40 CFR 63.1935.

i. The facility can accept for disposal any regulated asbestos-containing material (ACM) as defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos, 40 CFR Part 61, Subpart M, Section 141; and/or in Chapter 20 of the Ohio Administrative Code for Asbestos Emission Control, OAC rule 3745-20-01(B); or in any subsequent revisions to either rule. Regulated asbestos-containing material is defined to include:

   i. friable asbestos material;

   ii. category I nonfriable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or

   iii. category II nonfriable asbestos-containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

j. The permittee is subject to the requirements established in 40 CFR 61.140 et seq. (NESHAP, Subpart M – National Emission Standard for Asbestos). The requirements of this rule are less stringent or equivalent to the requirements established in accordance with OAC rules 3745-20-05 through 3745-20-07, with the exception of the reporting requirement specified in e)(11).

k. The permittee shall comply with the applicable visible emissions limitation and additional restrictions required under 40 CFR Part 61, Subpart M, including the following sections:

61.154(a); or	Visible emission restriction.
61.154(c); or	Daily cover or dust suppressant requirements.

61.154(d); and	Alternative emission control method.
61.154(b)	Natural barrier, sign, and/or fencing requirements.

[40 CFR Part 61, Subpart M]

l. Each owner or operator of an active asbestos waste disposal site that receives waste that contains asbestos-containing material shall comply with the following:

i. There shall be no visible emissions to the outside air from asbestos-containing waste materials during the on-site transportation, transfer, deposition, or compacting operations.

ii. Deposition and burial operations shall be conducted in a manner which prevents handling by equipment or persons that causes asbestos-containing waste materials to be broken-up or dispersed before the materials are buried.

iii. As soon as practicable after deposition of the asbestos-containing waste materials, but no later than at the end of each operating day, the asbestos-containing waste material deposited at the site during the operating day shall be covered with at least twelve (12) inches of compacted nonasbestos-containing material. Alternatively, an owner or operator of an active waste disposal site may apply for approval of the director to utilize alternative control methods to bind dust, control wind erosion, or convert asbestos to nonfriable forms.

iv. During the unloading, deposition, burial, and initial compaction of asbestos-containing waste materials, the owner or operator of the active waste disposal site shall establish a restricted area adequate to deter the unauthorized entry of the general public and any unauthorized personnel from any location with one hundred feet of the operations; and

v. Shall display the following information on a sign not less than twenty by fourteen (20 x 14) inches, so that it is visible at all entrances and at intervals of three hundred (300) feet or less along the property line or fencing immediately surrounding the restricted area using letter sizes and styles of a visibility at least equal to the following specifications:

(a) one (1) inch sans serif, gothic, or block in the first and second lines; and

(b) at least three-fourths (3/4) inch sans serif, gothic, or block in the third line; and

(c) fourteen (14) point gothic in the fourth line; and

(d) spacing between any two lines must be at least equal to the height of the upper of the two lines.

"ASBESTOS WASTE DISPOSAL SITE

DO NOT CREATE DUST

BREATHING ASBESTOS IS

HAZARDOUS TO YOUR HEALTH"
[OAC rule 3745-20-06]

m. Upon closure of the facility, the owner or operator of the active waste disposal site shall comply with all the provisions of OAC rule 3745-20-07 [See g)(2)].
[OAC rule 3745-20-06]

n. Pursuant to OAC rule 3745-21-01, an inactive waste disposal site is defined as "any disposal site or portion thereof, which contains asbestos-containing waste materials, but where such material has not been deposited within the past year". The permittee shall comply with the provisions of OAC rule 3745-20-07 for inactive waste disposal sites [See g)(2)].
[OAC rule 3745-20-07]

o. The permittee shall develop, implement, and maintain an "Asbestos Disposal Operating Procedures and Spill Contingency Plan" (Asbestos Plan) consisting of:

   i. authorized personnel training;

   ii. inspection and disposal operating procedures;

   iii. non-conforming load response procedures;

   iv. accidental disturbance and/or re-excavation of disposed asbestos;

   v. inventory and maintenance procedures for safety and emissions control equipment;

   vi. recordkeeping procedures; and

   vii. emergency notification procedures.

   Authorized personnel shall be knowledgeable in the procedures of the Asbestos Plan. Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the plan shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use. The Asbestos Plan shall be available for inspection at this facility at all times.
   [OAC rule 3745-20-06]

p. The permittee shall develop, implement, and maintain a "Non-Regulated Asbestos Disposal Operating Procedures and Spill Contingency Plan" (Non-Regulated Asbestos Plan) which contains the following, at a minimum:

i. facility policy regarding the acceptance of known or suspected non-regulated ACM;

ii. procedures for handling known or suspected non-regulated ACM in order to prevent the asbestos from becoming friable;

iii. procedures for handling any known or suspected non-regulated ACM that becomes friable due to landfilling activities;

iv. procedures for handling any accidental disturbance and/or re-excavation of known or suspected disposed ACM;

v. recordkeeping procedures regarding the disposal and location of known or suspected non-regulated ACM; and

vi. emergency notification procedures.

Authorized personnel shall be knowledgeable in the procedures of the Non-Regulated Asbestos Plan. Emissions control equipment shall be available for wetting and containing asbestos in the event of a release. All equipment required to implement the plan shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use. The Non-Regulated Asbestos Plan shall be available for inspection at this facility at all times.
[OAC rule 3745-31-05(E)]

q. The permittee shall develop, implement, and maintain a Landfill Gas Collection and Control - Maintenance, Monitoring, and Recordkeeping Plan for the active gas collection and control systems. The document shall be available for inspection at this facility at all times. Once the landfill is subject to the control requirements of 40 CFR Part 60, Subpart WWW, the permittee shall follow the requirements of the rule in lieu of the provisions of the Landfill Gas Collection and Control - Maintenance, Monitoring, and Recordkeeping Plan.
[ORC 3704.03(T) and OAC rule 3745-31-05(D)]

r. The BAT requirements for the fugitive PE from the on-site transportation, transfer, deposition, or compacting operations of asbestos-containing waste materials has been determined to be compliance with the requirements of OAC rules 3745-20-06 and 3745-20-07.
[ORC 3704.03(T)]

s. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

t. The facility is not located within an "Appendix A" areaas identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) The maximum daily waste receipt rate for this emissions unit shall not exceed 7,500 tons of total waste, including MSW and C&DD material.
[OAC rule 3745-77-07(A)(1) and PTI# P0116255]

(2) The following operational restriction has been included in this permit for the purpose of establishing a federally enforceable requirement that limits PTE [see b)(2)b.]:

$$\sum_{M^{(1)}=1}^{12}\sum_{i=1}^{n^{(2)}}\left|\frac{ft^3 LFG^{(3)}}{min}\right|\left|\frac{ppmv\ S_i^{(4)}}{10^6}\right|\left|\frac{64.066^{(5)}}{(0.7302\ x\ 520)^{(6)}}\right|\left|\frac{60\ min}{hr}\right|\left|\frac{hrs^{(7)}}{mo}\right|\left|\frac{1\ ton}{2000\ lbs}\right|\left|\frac{0.997^{(8)}}{}\right| \leq 479.0$$

Where:

(1) M = the increment of the rolling 12-month period.
(2) n = the individual sulfur compounds present in the landfill gas.
(3) Landfill gas flow rate, as measured in d)(7)a.
(4) Sulfur concentration of each sulfur compound*, as specified d)(7)c.i.
(5) Molecular weight of sulfur dioxide.
(6) Universal gas constant and temperature, respectively.
(7) Monthly hours of operation.
(8) 99.7% conversion rate from sulfur compounds to SO_2.

*The concentration of hydrogen sulfide gas (H_2S) is based on the monitoring requirement in d)(7)b which would reflect any removal of H_2S by the use of a pre-combustion device, as necessary, to reduce the H_2S concentration of the landfill gas prior to the flare.

This emissions unit has been in operation for more than 12 months, and as a result, the permittee has existing records to generate the rolling 12-month summation SO_2 emission rate upon issuance of this permit.
[OAC rule 3745-77-07(A)(1) and PTI# P0116255]

(3) The permittee shall comply with the applicable operational standards required under 40 CFR Part 60, Subpart WWW, including the following sections:

Uncontrolled Landfill: **(greater than 2.5 million cubic meters by volume; less than 50 Mg NMOC)**	
Not applicable.	
Controlled Landfill: **(greater than 50 Mg uncontrolled NMOC)**	
60.753(a)	Gas collection requirement.
60.753(b)	Operate with negative pressure at each wellhead, except as provided by rule.
60.753(c)	Operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees Celsius and with

	either (a) a nitrogen level less than 20% OR (b) an oxygen level less than 5%, except as provided by rule.
60.753(d)	Operate collection system with a methane concentration less than 500 ppm above background at the landfill surface, except as provided by rule.
60.753(e)	Provisions for inoperable collection or control system.
60.753(f)	Operate control/treatment system at all times during gas collection.
60.753(g)	Corrective actions for deviations of the operational requirements.

[OAC rule 3745-77-07(A)(1) and 40 CFR Part 60, Subpart WWW]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following waste acceptance records:

a. For each calendar day, the permittee shall record:

i. the type and quantity of waste accepted by the landfill [i.e.: MSW, sludge, exempt, C&DD, asbestos, other], in tons per day; and

ii. the total daily waste accepted by the landfill [sum of d)(1)a], in tons per day.

b. For each calendar month, the permittee shall record:

i. the total amount of organic waste received, in tons per month; and

ii. the total year-to-date amount of organic waste received [sum of d)(1)b.], in tons per year.

[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(2) The permittee shall comply with the applicable monitoring and recordkeeping standards required under 40 CFR Part 60, Subpart WWW, including the following sections:

Uncontrolled Landfill: **(greater than 2.5 million cubic meters by volume; less than 50 Mg NMOC)**	
Not applicable.	
Controlled Landfill: **(greater than 50 Mg uncontrolled NMOC)**	
60.756(a)	Active gas collection monitoring requirements.
60.756(b)	Enclosed combustor monitoring requirements.
60.756(c)	Open flare monitoring requirements.
60.756(d)	Monitoring requirements for control devices other than open flares and enclosed combustors.
60.756(e)	Provisions for alternate operating and monitoring parameters.
60.756(f)	Monitoring requirements for surface methane concentrations.

60.757(f)(1) – (f)(6)	Recordkeeping requirements for active gas collection systems.
60.758(a)	Maintain for 5 years records of design capacity report, current amount of solid waste in-place, and year-by-year waste acceptance rate, except as provided by rule.
60.758(b) and (b)(1)	Gas collection recordkeeping requirements.
60.758(b) and (b)(2)	Enclosed combustor recordkeeping requirements.
60.758(b) and (b)(3)	Boiler or process heater recordkeeping requirements.
60.758(b) and (b)(4)	Open flare recordkeeping requirements.
60.758(c)	Maintain for 5 years records of the equipment operating parameters in §60.756, except as provided by rule.
60.758(e)	Maintain for 5 years records of all collection and control system exceedances of the operational standards in §60.753, the reading in the subsequent month, and the location of the exceedance, except as provided by rule.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart WWW]

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

Landfill Fugitive Dust Operation/Source	Minimum Inspection Frequency
daily cover handling and placement	once during each day of operation
waste handling/dumping	once during each day of operation
spreading, grading and compaction	once during each day of operation
soil transport/construction (dirt) roadways	once during each day of operation
storage pile activities	once during each day of operation

[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(4) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for fugitive particulate emissions. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a landfill fugitive dust operation/source that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified event(s) shall be performed as soon as such event(s) has (have) ended, except if the next inspection is within one week.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(5) The permittee shall maintain records of the following information:

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

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

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

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

The information in d)(5)d. shall be kept separately for each landfill fugitive dust operation/source listed above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(6) Until such time that the facility is subject to the control requirements of 40 CFR Part 60, Subpart WWW:

a. The permittee shall monitor the flare and active gas collection system in accordance with the start-up, shut-down, and malfunction provisions of their Landfill Gas Collection and Control – Maintenance, Monitoring and Recordkeeping Plan.

b. The permittee shall monitor the flare to ensure the presence of a flame by the use of a heat sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself to indicate continuous presence of a flame when landfill gas is being directed through the flare.

Once the facility is subject to the control requirements of 40 CFR Part 60, Subpart WWW, the permittee shall follow the control device monitoring and recordkeeping requirements specified by the rule in lieu of these requirements.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(7) In order to demonstrate compliance with the rolling 12-month SO_2 emission limitation:

a. The permittee shall install, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the flare at least every fifteen minutes.

i. The permittee shall maintain monthly records of the following:

(a) the amount of landfill gas, in scfm, input to each of the individual control device(s), represented as a monthly average; and

(b) the total amount of landfill gas, in scfm, combusted in all of the control device(s), represented as a monthly average.

b. The permittee shall perform sampling of the hydrogen sulfide (H_2S) concentration of the landfill gas at the inlet to the flare, as follows:

i. The permittee shall perform monthly sampling of the H_2S concentration of the landfill gas using direct measurement equipment AND/OR U.S. EPA Method 15/16 (or equivalent) and record the results in an operations log as specified below. The monthly concentration shall be used in the SO_2 calculation in d)(7)c.

ii. Should the permittee employ a pre-combustion device to reduce the sulfur concentration of the landfill gas prior to the flare, the permittee shall perform weekly sampling frequency of the H_2S concentration, as specified

in d)(7)b.i. The weekly sampling shall continue for at least six (6) months or until such time that the permittee determines that the pre-combustion device is no longer necessary, whichever is greater.

c. The permittee shall calculate the rolling, 12-month SO_2 emissions from the landfill as the sum of emissions from all of the landfill gas sulfur compounds, based on a 99.7% conversion rate from sulfur compounds to SO_2.

i. The following sulfur concentrations shall be used in the calculation:

(a) Carbon disulfide: 1.16 ppmv;
(b) Carbonyl sulfide: 0.49 ppmv;
(c) Dimethyl sulfide: 7.80 ppmv;
(d) Ethyl mercaptan: 2.27 ppmv;
(e) Hydrogen sulfide: As measured in d)(7)b.; and
(f) Methyl mercaptan: 2.48 ppmv.

With the exception of H_2S, the concentrations provided above are default concentrations from AP-42, Chapter 2.4 (11/98). Should revised concentration data become available, the most current concentrations shall be used.

ii. The following calculation shall be used to quantify the monthly SO_2emission rate from each sulfur compound:

ft^3 LFG (1)	ppmv S (2)	64.066(3)	60 mins	hours (5)	1 ton	0.997 (6)
minute	10^6scf	(0.7302 x 520) (4)	hour	month	2000 lbs	

Where:

(1) Landfill gas flow rate, as measured in d)(7)a.
(2) Sulfur concentration of each sulfur compound, as specified in d)(7)c.i.
(3) Molecular weight of sulfur dioxide.
(4) Universal gas constant and temperature, respectively.
(5) Monthly hours of operation.
(6) 99.7% conversion rate from sulfur compounds to SO_2.

iii. Should the permittee employ a pre-combustion device to reduce the sulfur concentration of the landfill gas prior to the flare, the permittee shall include the results of the weekly monitoring requirements ind)(7)b.ii to the calculation in d)(7)c.ii to quantify the monthly SO_2emission rate from H_2S.

iv. The permittee shall collect and record the following information each month:

(a) the SO_2 emission rate, in tons, [sum of d)(7)c.ii for all sulfur compounds]; and

(b) therolling 12-month SO_2 emission rate, in tons.

d. The permittee shall maintain records that indicate each day that a pre-combustion device was employed to reduce the sulfur concentration of the landfill gas prior to the flare.

[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(8) During the handling of asbestos-containing waste materials, the permittee shall check for any visible emissions from the asbestos-containing waste materials during on-site transportation, transfer, unloading, deposition, and compacting of the waste. The presence or absence of any visible emissions from the asbestos-containing waste materials shall be noted in an operations log.

If visible emissions are observed, the permittee shall immediately follow the procedures of the "Asbestos Disposal Operating Procedures and Spill Contingency Plan" and also note the following in the operations log:

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

b. any corrective actions taken to eliminate the visible emissions.

[OAC rule 3745-77-07(C)(1), PTI# P0116255, and OAC rule 3745-20-06]

(9) The owner or operator of a waste disposal site shall maintain waste shipment records for all asbestos-containing waste material received. The waste shipment record shall be legible, complete, signed, and dated by the waste generator and waste disposal site operator as follows:

a. The waste shipment record shall include the following information:

i. the name of the work site or facility where the asbestos-containing waste was generated, the mailing address, and telephone number of the facility owner;

ii. the name, mailing address, and telephone number of the owner or operator (waste generator) responsible for handling, packing, marking, and labeling the asbestos-containing waste material;

iii. the name, mailing address, telephone number, and site location of the active waste disposal site designated by the generator to receive the asbestos-containing waste material for disposal;

iv. the name and address of the local, state, or U.S. EPA regional agency responsible for administering the asbestos NESHAP program;

v. a description of the asbestos-containing waste materials included in the waste shipment;

vi. the number and type of containers included in the waste shipment;

vii. the approximate volume of asbestos-containing waste material included in the waste shipment, in cubic yards;

viii. special handling instructions or additional information relative to the waste shipment the waste generator may specify;

ix. a certification that the contents of this consignment are fully and accurately described by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations;

x. the name, address, and telephone number of the transporter;

xi. a signature by the transporter to acknowledge receipt of the asbestos-containing waste shipment described by the waste generator in sections d)(9)a.i through d)(9)a.ix. above;

xii. a discrepancy indication space to be completed by the owner or operator of the waste disposal site if any improperly contained asbestos waste is observed or if there is any discrepancy in the quantity of asbestos shipped and the quantity of asbestos waste received at the asbestos waste disposal site; and

xiii. a signature by the waste disposal site owner or operator to acknowledge receipt of the asbestos-containing waste shipment described by the waste generator in sections d)(9)a.i. through d)(9)a.ix., except as noted in the discrepancy indication space.

b. Upon receiving the waste shipment, the waste disposal site owner or operator shall:

i. Sign and date the waste shipment record making note of any improperly contained asbestos-containing waste material or any discrepancy in the quantity or waste received on the discrepancy indication space and provide a copy of the waste shipment record to the transporter for his receipt and records.

ii. As soon as possible and no longer than thirty days after receipt of the waste, send the original completed copy of the signed waste shipment record to the waste generator and retain the remaining copy for the waste site disposal record.

iii. Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within fifteen (15) days after receiving the waste, immediately report the discrepancy in writing to the local, state, or U.S. EPA regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment records along with the report to Ohio EPA.

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

If possible, non-conforming loads of suspect friable material shall be detained, or the location of disposal protected from damage, until the appropriate Ohio EPA District Office or local air agency is informed and proved the opportunity to inspect.
[OAC rule 3745-77-07(C)(1), and OAC rules 3745-20-05 and 3745-20-06]

(10) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall maintain until closure, records of the location, depth, area, and quantity, in cubic yards of asbestos-containing waste material, within the disposal site on a map or a diagram of the disposal area.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-20-06]

(11) The permittee shall comply with the applicable monitoring and recordkeeping requirements under 40 CFR Part 61, Subpart M, including the following sections:

61.154(e)(1); 61.154(e)(2); and 61.154(e)(3)	Requirements for waste shipment records.
61.154(e)(4) and 61.154(i)	Record retention and inspection requirements.
61.154(f)	Asbestos placement records.
61.154(g)	Closure requirements.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 61, Subpart M]

(12) The permit-to-install application for this/these emissions unit(s) was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for

Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$TLV/10 \times 8/X \times 5/Y = 4\ TLV/XY = MAGLC$$

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: hydrogen sulfide
TLV (mg/m^3): 1.39
Maximum Hourly Emission Rate (lb/hr): 1.38
Predicted 1-Hour Maximum Ground-Level Concentration ($\mu g/m^3$): 0.82
MAGLC ($\mu g/m^3$): 33.10

Toxic Contaminant: hydrogen chloride
TLV (mg/m^3): 2.20
Maximum Hourly Emission Rate (lb/hr): 0.49
Predicted 1-Hour Maximum Ground-Level Concentration ($\mu g/m^3$): 0.20
MAGLC ($\mu g/m^3$): 52.38

The permittee, has demonstrated that emissions of hydrogen sulfide and hydrogen chloride, from emissions unit(s) P902, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F). [PTI# P0116255]

(13) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final permit-to-install prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.
[PTI# P0116255]

(14) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[PTI# P0116255]

(15) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.
[PTI# P0116255]

(16) The permittee shall maintain records of all times during which the gas collection and control system was not operational. The records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify any deviations from the federally and state-only enforceable emission limitations, operational restrictions, and control device operating parameter limitations, in accordance with the reporting requirements of the Standard Terms and Conditions of this permit. The quarterly reports shall include (a) the probable cause of such deviations and (b) any corrective actions or preventative measures that have been or will be taken to eliminate the deviation(s).

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit written reports that identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements every six months, in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting standards required under 40 CFR Part 60, Subpart WWW, including the following sections:

Uncontrolled Landfill: **(greater than 2.5 million cubic meters by volume; less than 50 Mg NMOC)**	
60.757(a)	Initial design capacity report
60.757(b)	Initial and annual NMOC emission rate reports.
60.757(c)(1)	Recalculation of NMOC emission rate after Tier 2 NMOC sampling and analysis.
60.757(c)(2)	Recalculation of NMOC emission rate after determining a site-specific methane generation rate constant (Tier 3).
Controlled Landfill: **(greater than 50 Mg uncontrolled NMOC)**	
60.757(a)	Initial design capacity report.
60.757(c)	Collection and control system design.
60.757(d)	Closure report.

60.757(e)	Equipment removal report.
60.757(f)	Annual report for active gas collection systems.
60.757(g)	Initial performance test report.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart WWW]

(4) In accordance with the Monitoring and Recordkeeping Requirements established in d)(3), d)(4), and d)(5), the permittee shall submit quarterly deviation (excursion) reports that identify any of the following:

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

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

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(5) In accordance with the Monitoring and Recordkeeping Requirements established in d)(6), until such time that the permittee is subject to the control requirements of NSPS, Subpart WWW, the permittee shall submit quarterly reports indicating any time periods when there was not a continuous flame present at the flare when landfill gas is being routed through the flare, in accordance with thepermittee's approvedLandfill Gas Collection and Control – Maintenance, Monitoring, and Recordkeeping Plan. Once the facility is applicable to the control requirements of NSPS, Subpart WWW, the permittee shall follow the reporting requirements specified by the rule in lieu of this requirement.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(6) In accordance with the Monitoring and Recordkeeping Requirements established in d)(8), the permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all days during which any visible emissions of fugitive dust were observed from asbestos-containing waste materials during on-site transportation, transfer, unloading, deposition, and/or compacting operations; and

b. describe any corrective actions taken to eliminate the visible emissions.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
[OAC rule 3745-77-07(C)(1), PTI# P0116255, and OAC rule 3745-20-06]

(7) Upon closure of the facility, the owner or operator of the active waste disposal site shall submit a copy of the records of the asbestos waste disposal locations and quantities to the appropriate Ohio EPA District Office or local air agency.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-20-06]

(8) The owner or operator of the active waste disposal site shall notify the appropriate Ohio EPA District Office or local air agency, in writing, at least forty-five (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, provide notice of the new start date to the appropriate Ohio EPA District Office or local air agency at least ten (10) working days before excavation begins. In no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:

a. Scheduled starting and completion dates.

b. Reason for disturbing the waste.

c. Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the director may require changes in the emission control procedures to be used.

d. Location of any temporary storage site and the final disposal site.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-20-06]

(9) In accordance with the Monitoring and Recordkeeping Requirement specified in d)(9)b.iii., if a discrepancy between the quantity of waste designated on a waste shipment record and the quantity actually received is not resolved within 15 days, the permittee shall immediately report the discrepancy, in writing to the local, state, or U.S. EPA regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment records along with the report to Ohio EPA.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-20-05]

(10) The presence of a significant amount of improperly enclosed or uncovered asbestos-containing waste material, or any asbestos-containing waste material not sealed in leak-tight containers must be reported, in writing, to the local, state, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, to the local, state, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site, by the following working day. Submit a copy of the waste shipment record along with the report.
[OAC rule 3745-77-07(C)(1) and 40 CFR 61.154(e)(1)(iv)]

(11) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 61, Subpart M, including the following sections:

61.154(e)(1)(iv)	Reporting requirements for discovery of improperly enclosed or uncovered waste.

61.154(e)(3)	Waste shipment record discrepancy report.
61.154(h)	Facility closure report.
61.154(j)	Reporting requirements for excavating or disturbing deposited asbestos waste.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 61, Subpart M]

(12) The permittee shall notify the Northwest District Office of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Disposal Operating Procedures and Spill Contingency Plan". Notification shall be provided as soon as possible by telephone 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.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-06]

(13) The permittee shall submit, or have submitted, a copy of the "Asbestos Disposal Operating Procedures and Spill Contingency Plan" required in b)(2)o to the appropriate Ohio EPA District Office or local air agency for approval. Any subsequent revisions to the Plan shall be submitted to the appropriate Ohio EPA District Office or local air agency at the time of the revision.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-20-06]

(14) The permittee shall submit, or have submitted, a copy of the "Non-Regulated Asbestos Disposal Operating Procedures and Spill Contingency Plan" required in b)(2)p to the appropriate Ohio EPA District Office or local air agency for approval. Any subsequent revisions to the Plan shall be submitted to the appropriate Ohio EPA District Office or local air agency at the time of the revision.
[OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(E)]

(15) The permittee shall submit, or have submitted, a copy of the Landfill Gas Collection and Control – Maintenance, Monitoring, and Recordkeeping Plan for the active gas collection and control systems required in b)(2)q. to the appropriate Ohio EPA District Office or local air agency for approval.Any subsequent revisions to the plan shall be submitted to the appropriate Ohio EPA District Office or local air agency within 30 days of the revision to the previous plan.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(16) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the Toxic Air Contaminate Statute, ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.
[PTI# P0116255]

(17) In accordance with the Monitoring and Recordkeeping Requirements established in d)(16), the permittee shall submit quarterly deviation (excursion) reports that identify all times during which the gas collection and control system was not operational.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

f) Testing Requirements

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

a. Emission Limitations: Controlled Landfill Gas
98% VOC destruction efficiency

Applicable Compliance Method:
Compliance shall be demonstrated using the information from U.S. EPA's "Flare Efficiency Study" – EPA-600/2-83-052 (July 1983)
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

b. Emission Limitations: Fugitive/Uncontrolled Landfill Gas
9.36 tons fugitive VOC per rolling, 12-month period

Applicable Compliance Method:
The emission limitationis based on the highest gas generation/emissions rate which could occur at this facility and can be documented as follows:

i. NMOC emissions were calculated by Landfill Gas Emission Model (LandGEM). The predicted NMOC emissions were converted to VOC emissions by applying the AP-42 Chapter 2.4 (11/98) conversion rate of 39%.

ii. A 75% landfill gas collection system capture efficiency, based on engineering design.

iii. A maximum operating schedule of 8,760 hours/year.

iv. An annual organic waste acceptance rate of 520,125 tons.

The permittee shall demonstrate compliance with this emission limitation based on the actual organic waste acceptance rate, as determined from the monitoring

and recordkeeping requirements specified in d)(1) and the methods specified in f)(1)b.iand f)(1)b.ii.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

c. Emission Limitations: Flare Combustion Emissions
17.0 pounds PM_{10} /10^6dscf methane

Applicable Compliance Method:
The above flare combustion emission limitations were established based on the emission factors from AP-42 Chapter 2.4, Municipal Solid Waste Landfills (11/98).

The following is being presented for informational purposes:

The federally enforceable, potential, annual PM_{10} emissions from the flare can be estimated using the following calculation:

lbs pollutant (1)	1867 dscf(2)	0.56 (3)	60 mins	8760 hours	1 ton
10^6scf methane	minute		hour	year	2000 lbs

Where:

(1) AP-42 Chapter 2.4, Municipal Solid Waste Landfills (11/98).
(2) Maximum landfill gas flow rate.
(3) 56% landfill gas methane component.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

d. Emission Limitations: Flare Combustion Emissions
0.068 pound NOx/mmBtu
0.37 pound CO/mmBtu

Applicable Compliance Method:
The above flare combustion emission limitations were established based on the emission factors from AP-42 Chapter 13.5, Industrial Flares (9/91).

The following is being presented for informational purposes:

The federally enforceable, potential annual NOx and CO emissions from the flare can be estimated using the following calculation:

lbs pollutant (1)	68.54 mmBtu(2)	8760 hours	1 ton
mmBtu	hour	year	2000 lbs

Where:

(1) AP-42 Chapter 13.5, Industrial Flares (9/91).
(2) Maximum heat input to flare.
[OAC rule 3745-77-07(C)(1) and ORC 3704.03(T)]

e. Emission Limitation:
479.0 tons SO_2 per rolling, 12-month period

Applicable Compliance Method:
The permittee may demonstrate compliance in accordance with the recordkeeping requirements specified in d)(7).
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

f. Emission Limitation:
Visible fugitive particulate emissions (PE) from the landfill and construction operations shall not exceed 20% opacity, as a three-minute average.

Applicable Compliance Method:
If required, compliance with the visible PE limit shall be determined by visible emission evaluations performed in accordance with USEPA Reference Method 9 as set forth in "Appendix A on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources") and the modifications listed in paragraphs (B)(3)(a) and B)(3)(b) of OAC rule 3745-17-03.
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

g. Emission Limitation:
There shall be no visible emissions to the outside air from asbestos-containing waste materials during the on-site transportation, transfer, deposition, or compacting operations.

Applicable Compliance Method:
If required, compliance with the visible PE limit shall be determined in accordance with USEPA Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources").
[OAC rule 3745-77-07(C)(1) and PTI# P0116255]

(2) The permittee shall comply with the applicable compliance provisions and testing standards required under 40 CFR Part 60, Subpart WWW, including the following sections:

Uncontrolled Landfill: **(greater than 2.5 million cubic meters by volume; less than 50 Mg NMOC)**	
60.754(a)(1)(i)	NMOC emission rate calculation if the actual year-to-year waste acceptance rate is known.
60.754(a)(1)(ii)	NMOC emission rate calculation if the actual year-to-year waste acceptance rate is unknown.
60.754(a)(2)	Tier 1 NMOC calculation.
60.754(a)(3)	Tier 2 NMOC calculation.
60.754(a)(4)	Tier 3 NMOC calculation.
60.754(a)(5)	Alternative calculation methods.
Controlled Landfill: **(greater than 50 Mg uncontrolled NMOC)**	

60.754(b)	NMOC calculation to determine when the collection and control system can be removed.
60.754(c)	Calculating emissions for PSD purposes.
60.754(d)	Performance test requirements for enclosed combustors or alternative control devices.
60.754(e)	Performance test requirements for open flares.
60.755(a)	Compliance method for the gas collection system requirements in §60.752(b)(2)(ii).
60.755(b)	Compliance method for well installation and placement requirements in §60.753(a).
60.755(c)	Compliance method and procedures for surface methane operational standards in §60.753(d).
60.755(d)	Instrumentation specifications and procedures for surface emission monitoring devices.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart WWW]

g) Miscellaneous Requirements

(1) The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.
[OAC rule 3745-77-07(C)(1)]

(2) <u>Inactive Waste Disposal Site Requirements</u>
The permittee shall comply with the following provisions of OAC rule 3745-20-07 for inactive waste disposal sites:

a. Each owner or operator of an inactive asbestos waste disposal site shall either:

i. Discharge no visible emissions to the outside air from an inactive waste disposal site; or

ii. Cover the asbestos-containing waste material with at least six (6) inches of non-asbestos- containing material, and grow and maintain a cover of vegetation on the area adequate to prevent exposure of the asbestos-containing waste material; or

iii. Cover the asbestos-containing material with at least two (2) feet of compacted non-asbestos-containing material and maintain the cover to prevent exposure of the asbestos-containing waste material.

b. Unless a natural barrier adequately deters access by the general public, each owner or operator of an inactive asbestos waste disposal site shall install and maintain warning signs and fencing as follows, or comply with g)(2)a.ii. or g)(2)a.iii.:

i. Display warning signs at all entrances and at intervals of three hundred feet or less along the property line of the site or along the perimeter of the

sections of the site where asbestos-containing waste material was deposited. The warning signs must:

(a) Be posted in such a manner and location that a person can easily read the legend; and

(b) Conform to the requirements for a twenty inch by fourteen inch (20 x 14) upright format warning sign and display the following legend in the lower panel with letter sizes of at least one (1) inch sans serif, gothic, or block. Spacing between any two lines must be at least equal to the height of the upper of the two lines:

"ASBESTOS WASTE DISPOSAL SITE

DO NOT CREATE DUST

BREATHING ASBESTOS IS HAZARDOUS

TO YOUR HEALTH"

(c) Fence the perimeter of the site in a manner adequate to deter access by the general public.

(d) Upon request and submission of appropriate information, the director will determine whether a fence or a natural barrier adequately deters access by the public.

(e) When requesting a determination on whether a natural barrier adequately deters public access, supply information enabling the director to determine whether a fence or a natural barrier adequately deters access by the general public.

c. The owner or operator may use an alternative control method that has received prior approval of the director rather than comply with the requirements of g)(2)a. or g)(2)b.

d. Each owner or operator of an inactive waste disposal site shall notify the director, in writing, at least forty-five (45) days prior to excavating or otherwise disturbing or removing any asbestos-containing waste material. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the director at least ten (10) working days before excavation begins. In no event shall excavation begin earlier than the date specified in the original notification. Each owner or operator shall include the following information 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 asbestos-

containing material. If deemed necessary, the director may require changes in the emission control procedures to be used.

iv. Location of any temporary storage site including names and address(es) and the final disposal site.

e. Within sixty (60) days of a site becoming inactive, record a notation of the presence of asbestos-containing material on the deed to the facility property and on any other instrument that would normally be examined during the title search; this notation will, in perpetuity, notify any potential purchaser of the property that:

i. The land has been used for the disposal of asbestos-containing waste material; and

ii. The survey plot and record of the location and quantity of asbestos-containing waste disposed of within the disposal site required in paragraph (C)(2) of rule 3745-20-06 of the Ohio Administrative Code has been filed with the director; and

iii. The site is subject to Chapter 3745-20 of the Ohio Administrative Code and 40 CFR Part 61, Subpart M.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-20-07]

(3) The permittee shall comply with the requirements for inactive waste disposal sites for asbestos mills and manufacturing and fabricating operations required under 40 CFR Part 61, Subpart M, including the following sections:

Emission Limitations and Additional Restrictions:	
61.151(a)(1); or	Visible emission restriction.
61.151(a)(2); or	Coverage and/or vegetation requirements.
61.151(a)(3); or	Coverage requirement.
61.154(a)(4); and	Dust suppressant requirement.
61.154(b); or	Natural barrier, sign, and/or fencing requirements.
61.154(c)	Alternative control method requirements.
Monitoring and/or Recordkeeping Requirements:	
61.151(e)	Deed recordkeeping requirements.
Reporting Requirements:	
61.151(d)	Reporting requirements for excavating or disturbing deposited asbestos waste.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 61, Subpart M]

(4) There shall be no open burning in violation of Ohio Administrative Code rule 3745-19 at this facility.
[OAC rule 3745-77-07(C)(1)]