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

4/23/2014

Certified Mail

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

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0374010199
Permit Number: P0116255
Permit Type: OAC Chapter 3745-31 Modification
County: Seneca

Dear Permit Holder:

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

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA
Ohio EPA-NWDO; Michigan; Canada

Response to Comments

Facility ID:	0374010199
Facility Name:	Sunny Farms Landfill
Facility Description:	Refuse Systems
Facility Address:	12500 West County Road 18 Fostoria, OH 44830 Seneca County
Permit:	P0116255, Permit-To-Install - OAC Chapter 3745-31 Modification
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Advertiser Tribune on 03/21/2014. The comment period ended on 04/20/2014.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: None

a. Comment: None

b. Response: None

FINAL

Division of Air Pollution Control
Permit-to-Install
for
Sunny Farms Landfill

Facility ID:	0374010199
Permit Number:	P0116255
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	4/23/2014
Effective:	4/23/2014

Division of Air Pollution Control
Permit-to-Install
for
Sunny Farms Landfill

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Authorization

Facility ID:	0374010199
Facility Description:	Refuse Systems
Application Number(s):	A0049212
Permit Number:	P0116255
Permit Description:	Chapter 31 modification to asbestos, municipal solid waste (MSW), and construction and demolition debris (C and DD) landfill operations to increase landfill gas collection and control to reduce odors.
Permit Type:	OAC Chapter 3745-31 Modification
Permit Fee:	$200.00
Issue Date:	4/23/2014
Effective Date:	4/23/2014

This document constitutes issuance to:

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

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

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director

Authorization (continued)

Permit Number: P0116255
Permit Description: Chapter 31 modification to asbestos, municipal solid waste (MSW), and construction and demolition debris (C and DD) landfill operations to increase landfill gas collection and control to reduce odors.

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

Emissions Unit ID:	**P902**
Company Equipment ID:	Solid Waste/Asbestos Landfill
Superseded Permit Number:	P0107591
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

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

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

3. General Requirements

a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.

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

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

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

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

4. Monitoring and Related Record Keeping and Reporting Requirements

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

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

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

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

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

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions, andcontroldeviceoperatingparameterlimitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Northwest District Office. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted to the Ohio EPA DAPC, Northwest District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

(4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to theOhio EPA DAPC, Northwest District Officein accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

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

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

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

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

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

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

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

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

c) The permittee shall submit progress reports to the Ohio EPA DAPC, 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.

7. Best Available Technology

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

8. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.

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

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s)not exempt from the requirement to obtain a Permit-to-Install.

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

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

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the

Director within a reasonable time before the termination date and the permittee shows good cause for any such extension.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

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

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

12. Permit-To-Operate Application

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

13. Construction Compliance Certification

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

a) Completion of initial installation date shall be enteredupon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

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

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

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

16. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

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

18. Risk Management Plans

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

19. Title IV Provisions

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

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.

C. Emissions Unit Terms and Conditions

1. 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) b)(1)h. through b)(1)j.; b)(2)l. through b)(2)p.; d)(8) through d)(10), and d)(12) through d)(15); e)(8) through e)(10), e)(13) through e)(15), and e)(17); and g)(2).

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)	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 (NOx)/mmBtu of gas combusted 17 pounds particulate matter less than or equal to 10 microns (PM_{10})/10^6dscf methane of gas combusted 98% VOC destruction efficiency from flare <u>Fugitive Landfill Gas Emissions</u> 9.36 tons fugitive volatile organic compounds (VOC) per 12-month rolling period <u>Fugitive Particulate Emissions</u>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible fugitive particulate emissions (PE) 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 [b)(2)r.].
b.	OAC rule 3745-31-05(D)	479.00 tons sulfur dioxide (SO_2) per 12-month rolling period [See b)(2)c.]
c.	OAC rule 3745-17-07(B)(1)	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).
d.	OAC rule 3745-17-08(B)	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).
e.	40 CFR 60.750 et seq. (NSPS Subpart WWW)	See b)(2)g.; c)(3); d)(2); e)(4); and f)(2)
f.	40 CFR 63.1930 et seq. (MACT Subpart AAAA)	None [See b)(2)h.]
g.	40 CFR 61.140 et seq. [NESHAP Subpart M]	See b)(2)i. through b)(2)k.
h.	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).
i.	OAC rule 3745-31-05(E)	See b)(2)p.
j.	ORC 3704.03(F) and OAC rule 3745-114-01	See d)(12) through d)(15) and e(17).

(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. 479.00 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.

[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.

[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.

[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)]

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.

[ORC 3704.03(T)]

(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.]:

12	$n^{(2)}$								
Σ	Σ	ft^3 LFG (3)	ppmv S_i(4)	64.066(5)	60 min	hrs(7)	1 ton	0.997 (8)	≤ 479.00
$M^{(1)}$=1	i=1	min	10^6	(0.7302 x 520) (6)	hr	mo	2000 lbs		

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 3745-31-05(D)]

(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 at 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.

[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.

[ORC 3704.03(T)]

(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.

[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

[3704.03(T)]

(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.

[3704.03(T)]

(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.

[3704.03(T)]

(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.

[3704.03(T)]

(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 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) the 12-month, rolling 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 3745-31-05(D)]

(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.

[ORC 3704.03(T) 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 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 3745-20-06]

(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.

[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 (µg/m^3): 0.20
MAGLC (µg/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).

[ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

(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.

[ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

(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.

[ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

(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.

[ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

(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.

[ORC 3704.03(T)]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly 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).

(3) 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.

(4) 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.

[40 CFR Part 60, Subpart WWW]

(5) 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.

[ORC 3704.03(T)]

(6) 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.

[ORC 3704.03(T)]

(7) 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.

[ORC 3704.03(T) and OAC rule 3745-20-06]

(8) 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 3745-20-06]

(9) 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 3745-20-06]

(10) 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 3745-20-05]

(11) 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.

[40 CFR 61.154(e)(1)(iv)]

(12) 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.

[40 CFR Part 61, Subpart M]

(13) 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 3745-21-06]

(14) Within 60 days following the issuance of this permit, 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 3745-20-06]

(15) Within 60 days following the issuance of this permit, 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 3745-31-05(E)]

(16) Within 60 days following the issuance of this permit, 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.

[ORC 3704.03(T)]

(17) 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.

[ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; and Option A, Engineering Guide #70]

(18) 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.

[ORC 3704.03(T)]

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)

[ORC 3704.03(T)]

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.i. and f)(1)b.ii.

[ORC 3704.03(T)]

c. Emission Limitations: Flare Combustion Emissions

17.0 pounds $PM_{10}/10^6$dscf 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.

[ORC 3704.03(T)]

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.

[ORC 3704.03(T)]

e. Emission Limitation:

479.00 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 3745-31-05(D)]

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.

[ORC 3704.03(T)]

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").

[ORC 3704.03(T)]

(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.

[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.

(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 3745-20-07]

(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.

[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.