



**Environmental  
Protection Agency**

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korleski, Director

9/17/2010

Charles Roberts  
Fallsburg Road Landfill  
7271 FALLSBURG RD  
Newark, OH 43055

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0145020357  
Permit Number: P0105806  
Permit Type: Administrative Modification  
County: Licking

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
Yes	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO) for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, The Newark Advocate. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc) by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall  
Permit Review/Development Section  
Ohio EPA, DAPC  
122 South Front Street  
Columbus, Ohio 43215

and Ohio EPA DAPC, Central District Office  
50 West Town Street, 6th Floor  
P.O. Box 1049  
Columbus, OH 43216-1049

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Central District Office at (614)728-3778.

Sincerely,

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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*  
Ohio EPA-CDO  
Richele Piper, Tom Buchan



## Permit Strategy Write-Up

1. Check all that apply:

Synthetic Minor Determination

Netting Determination

2. Source Description:

Fallsburg Road Landfill, located in Licking County, is a construction and demolition debris (C&DD) landfill. The applicant has requested a permit modification so that regulated asbestos-containing material (as defined in the NESHAP for Asbestos, 40 CFR Part 61, Subpart M, Section 141 and OAC rule 3745-20-01) can be accepted at the facility. Facility roadways are not being modified as part of this permit action.

This request is being processed as an administrative modification because the acceptance of asbestos-containing material is not a change in the method of operation that will result in an increase in emissions.

3. Facility Emissions and Attainment Status:

Licking County is designated as a non-attainment area for PM<sub>2.5</sub>. After the permit modification has been issued, the facility will be subject to the NESHAP for asbestos - 40 CFR Part 61, Subpart M.

4. Source Emissions:

F003 is the emissions unit being modified. F003 includes all material (C&DD, cover material, and asbestos-containing material) transport, handling, unloading, deposition, and compaction, and storage and application of cover material.

The PE emissions limitation for F003 is 1.24 tons per year, which has been calculated using AP-42 as follows:

$$E = \frac{k(0.0032)[(U/5)^{1.3}/(M/2)^{1.4}]}{(0.74)(.0032)[(11/5)^{1.3}/(11/2)^{1.4}]} \cdot \frac{(.0024)(2.79/10.88)}{(.0024)(0.26)} = 0.0006 \text{ lb/ton}$$

Where:

E = emission factor expressed in pounds (lbs) / ton

k = particle size multiplier (dimensionless) = 0.74

U = mean wind speed expressed in miles per hour (MPH) = 11\*

M = material moisture content (%) = 11.0\*\*

$$E = 0.0006 \text{ lb/ton}$$

Number of Transfer Points - 3 (load out from trucks, compaction of waste, and placement of cover material);

Tons per year throughput - 572,000 (2000 TPD\*\*\* @ 286 days of operation, application submitted 5/25/04)



Total tons particulate emissions emitted per year is calculated as follows:  
(E) x (No. Transfer Points) x (Tons Per year Throughput) x (1 ton/2000lbs)  
(0.0006 lbs/ton) x (3) x (572,000 ton / year) x (1 ton/2000lbs) = 0.54 tons per year

\* The highest average wind speed in the State Of Ohio. 11 miles per hour is worst case scenario from Mansfield, Ohio.

\*\* The material moisture content of 11% for municipal solid waste operations, miscellaneous fill materials from Table 13.2.4-1, AP-42, January 1995.

\*\*\*Average tons of waste received per day. 2000 tons/day x 286 days of operation/year= 572,000 tons/year. 65,000 tons of cover material placed per year.

Cover Material:

0.058 lb/ton topsoil removed x 20,000 tons (application submitted 5/25/04) + 0.012 lb/ton replaced x 20,000 (application submitted 5/25/04) / 2000 = 0.7 tons per year PE.

0.54 tons/year + 0.7 tons/year = 1.24 tons/year

5. Conclusion:

Issuance of this permit, PTIO # P0105806, is recommended.

6. Please provide additional notes or comments as necessary:

The terms for F003 from the currently effective PTI (01-08866) have been retained, with the exception of quarterly deviation reporting for visible emissions from non-asbestos containing material. The requirement to submit a PER has been added.

The applicant requested a maximum C&DD acceptance rate of 2,200 tons/day. However, the applicant also stated that no changes are requested for the emissions calculations as permitted in the current permit (01-08866). For this reason, the acceptance rate will be maintained at 2,000 tons/day and total throughput will be maintained at 572,000 tons per year in this permit. This will allow the PE emissions calculations and limitations to remain identical to those in the current permit for F003 – 1.24 tons per year.

7. Total Permit Allowable Emissions Summary (for informational purposes only):

<u>Pollutant</u>	<u>Tons Per Year</u>
<u>PE</u>	1.24

PUBLIC NOTICE  
Issuance of Draft Air Pollution Permit-To-Install and Operate  
Fallsburg Road Landfill

Issue Date: 9/17/2010

Permit Number: P0105806

Permit Type: Administrative Modification

Permit Description: Administrative modification to permit number 01-08866 to authorize the acceptance of regulated asbestos-containing material at an existing CD&D landfill.

Facility ID: 0145020357

Facility Location: Fallsburg Road Landfill  
7271 FALLSBURG RD,  
Newark, OH 43055

Facility Description: Solid Waste Landfill

Chris Korleski, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio has issued a draft action of an air pollution control, federally enforceable permit-to-install and operate (PTIO) for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Olen Ackman at Ohio EPA DAPC, Central District Office, 50 West Town Street, 6th Floor P.O. Box 1049, Columbus, OH 43216-1049 or (614)728-3778. The permit can be downloaded from the Web page: [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc)





**DRAFT**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Fallsburg Road Landfill**

Facility ID: 0145020357  
Permit Number: P0105806  
Permit Type: Administrative Modification  
Issued: 9/17/2010  
Effective: To be entered upon final issuance  
Expiration: To be entered upon final issuance





Division of Air Pollution Control
Permit-to-Install and Operate
for
Fallsburg Road Landfill

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## Authorization

Facility ID: 0145020357  
Application Number(s): A0038791  
Permit Number: P0105806  
Permit Description: Administrative modification to permit number 01-08866 to authorize the acceptance of regulated asbestos-containing material at an existing CD&D landfill.  
Permit Type: Administrative Modification  
Permit Fee: \$625.00 *DO NOT send payment at this time, subject to change before final issuance*  
Issue Date: 9/17/2010  
Effective Date: To be entered upon final issuance  
Expiration Date: To be entered upon final issuance  
Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

Fallsburg Road Landfill  
7271 FALLSBURG RD  
Newark, OH 43055

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

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office  
50 West Town Street, 6th Floor  
P.O. Box 1049  
Columbus, OH 43216-1049  
(614)728-3778

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (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 described emissions unit(s) will operate in compliance with applicable State and Federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski  
Director



## **Authorization (continued)**

**Permit Number:** P0105806

**Permit Description:** Administrative modification to permit number 01-08866 to authorize the acceptance of regulated asbestos-containing material at an existing CD&D landfill.

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

<b>Emissions Unit ID:</b>	<b>F003</b>
Company Equipment ID:	Landfill operations
Superseded Permit Number:	01-08866
General Permit Category and Type:	Not Applicable

## **A. Standard Terms and Conditions**

**1. What does this permit-to-install and operate ("PTIO") allow me to do?**

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

**2. Who is responsible for complying with this permit?**

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

**3. What records must I keep under this permit?**

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

**4. What are my permit fees and when do I pay them?**

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- 5. Annual emissions fee.** Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees. When does my PTIO expire, and when do I need to submit my renewal application? This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

**6. What happens to this permit if my project is delayed or I do not install or modify my source?**

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

**7. What reports must I submit under this permit?**

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

**8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?**

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

**9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?**

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

**10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?**

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Central District Office in accordance with OAC

rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

**11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?**

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

**12. What happens if one or more emissions units operated under this permit is/are shut down permanently?**

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means 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.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting<sup>1</sup> a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

**13. Can I transfer this permit to a new owner or operator?**

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

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<sup>1</sup> Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

**14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?**

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

**15. What happens if a portion of this permit is determined to be invalid?**

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

## **B. Facility-Wide Terms and Conditions**

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - (1) None.
  - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - (1) None.

## **C. Emissions Unit Terms and Conditions**



1. F003, Landfill operations

Operations, Property and/or Equipment Description:

Material handling and application of cover material.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Total particulate emissions (PE) shall not exceed 1.24 tons per year.  No visible particulate emissions except for 3 minutes during any 60-minute period.  Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [see b)(2)].
b.	OAC rule 3745-20-06	There shall be no visible emissions from asbestos containing waste [see b)(2)h.].
c.	40 CFR 61 Subpart M	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rules 3745-31-05(A)(3) and 3745-20-06.

- (2) Additional Terms and Conditions
- a. The landfill fugitive dust operations/sources that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:
    - i. waste dumping/unloading.
    - ii. waste compaction.
    - iii. soil excavation and handling.
    - iv. covering of waste with soil.
    - v. wind erosion from landfill surfaces.
  - b. 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 abovementioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.
  - c. The above-identified control measure(s) shall be implemented 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 measure(s) shall continue during the operation of the fugitive dust operation/sources until further observation confirms that use of the control measure(s) is unnecessary.
  - d. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
  - e. The permittee shall be limited to accepting no more than 572,000 tons of C & D materials per calendar year.
  - f. Application of waste oil as a dust suppressant is prohibited.
  - g. There shall be no open burning, in violation of OAC Chapter 3745-19, at this facility.
  - h. The facility can accept for disposal any regulated asbestos-containing material as defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos, 40 CFR Part 61, Subpart M, Section 141 and OAC rule 3745-20-01, or 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 has become friable;
- iii. Category I nonfriable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or
- iv. 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 regulated by this subpart.

The permittee shall ensure that any Category I and/or Category II nonfriable asbestos-containing waste material received does not become friable during processing at the landfill. If any asbestos material arrives at the landfill and meets the description of a regulated asbestos-containing material as described in (i) through (iv) above, the landfill shall:

- v. cause or permit no visible emissions to the outside air from the asbestos-containing waste materials during on-site transportation, transfer, deposition, or compacting operations;
- vi. assure that deposition and burial operations are 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;
- vii. cover the asbestos-containing waste material with at least twelve inches of nonasbestos-containing material, as soon as practicable after deposition, but no later than at the end of the operating day; and
- viii. assure that during the unloading, deposition, burial, and initial compaction of asbestos-containing waste materials, the disposal site is restricted adequately to deter unauthorized entry of the general public and any unauthorized personnel to within one hundred feet of the operations.

[40 CFR 61.154(a) and (c), in part] and [OAC rule 3745-20-06(B)]

- i. The landfill, approved to accept asbestos-containing waste materials shall maintain the following work practice standards:
  - i. There shall be no visible emissions from asbestos-containing waste materials during on-site transportation, transfer, unloading, deposition, compacting operations, or from any inactive asbestos waste disposal sites.
  - ii. Deposition and burial operations shall be conducted in a careful manner that prevents asbestos-containing waste materials from being broken up or dispersed before the materials are buried.

- iii. The permittee shall inspect each load of asbestos-containing material delivered to the facility. The inspection shall consist of a visual examination to ensure that each shipment of asbestos-containing waste materials is received in intact, leak-tight containers labeled with appropriate hazard warning labels, the name of the waste generator, and the location of waste generation. The inspection also shall determine whether the waste shipment records accompany the consignment and accurately describe the waste material and quantity.
- iv. If on the basis of the inspection, the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Spill Contingency Plan," and the discrepancy shall be noted on the waste shipment record.

[40 CFR 61.154(a) and (e)] and [OAC rule 3745-20-06]

- j. The permittee shall develop, implement, and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" consisting of:
  - i. authorized personnel training;
  - ii. inspection and disposal operating procedures;
  - iii. non-conforming load response procedures;
  - iv. inventory and maintenance procedures for safety and emissions control equipment;
  - v. record keeping procedures; and
  - vi. emergency notification procedures.

Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times. Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the "Asbestos Disposal Operating Procedure and Spill Contingency Plan" shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.

[OAC rule 3745-20-06, in part] and/or [OAC rule 3745-31-05(A)(3)]

c) **Operational Restrictions**

- (1) During the unloading, deposition, burial, and initial compaction of asbestos-containing waste materials, the owner or operator of the active waste disposal site shall establish a restricted area adequate to deter the unauthorized entry of the general public and any unauthorized personnel from any location within one hundred feet of the operations. The following information shall be displayed on a sign not less than twenty by fourteen inches, so that it is visible at all entrances, from all directions, and at intervals of three hundred feet or less either along the property line of the facility or along the fencing



immediately surrounding the restricted area(s). The signs shall use letter sizes and styles of a visibility at least equal to the following specifications:

Legend:

ASBESTOS WASTE DISPOSAL SITE - 2.5 cm (1 inch) Sans Serif, Gothic or Block

DO NOT CREATE DUST - 1.9 cm (3/4 inch) Sans Serif, Gothic or Block 14 Point Gothic

BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH - 14 Point Gothic

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

[40 CFR 61.154(b)] and [OAC rule 3745-20-06(B)(4) and (5)]

(2) The permittee shall cover and compact asbestos wastes in accordance with the following requirements:

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

b. Care shall be taken to ensure that disposed asbestos shall not be re-excavated in subsequent operations. Any accidentally exposed material shall be immediately recovered in accordance with the provisions of this permit.

c. Asbestos-containing waste materials shall be separated from the landfill final grade by no less than 24 inches of compacted non-asbestos-containing materials or by at least 6 inches of compacted non-asbestos-containing materials with a permanent cover of vegetation over the area.

[40 CFR 61.151(a)], [40 CFR 61.154(c) and (g)], [OAC rule 3745-20-06(B)(3)], and [OAC rule 3745-20-07(A)(2) and (3)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of disposed material in place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper or electronic formats are acceptable.

(2) 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 operations/sources:	Minimum inspection frequency:
a. waste dumping/unloading	once during each day of operation



b. waste compaction	once during each day of operation
c. soil excavation and handling	once during each day of operation
d. covering of waste with soil	once during each day of operation
e. wind erosion from landfill surfaces	once during each day of operation

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

- (4) 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 required by d)(4)d. shall be kept separately for each landfill fugitive dust operation/source identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (5) The permittee may, upon receipt of written approval from the Central District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- (6) The permittee shall record the amount of material disposed on a daily, monthly, and annual basis. This record shall detail the volume in yards or tons.
- (7) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from asbestos containing waste materials during on site transportation, transfer, unloading, deposition, or compacting operations. 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:

- a. the color of the emissions;
- b. the total duration of any visible emission incident; and
- c. any corrective actions taken to eliminate the visible emissions.

[40 CFR 61.154(a), in part] and [OAC rule 3745-20-06(A) and (B)(1)]

- (8) The permittee shall maintain a record of the inspection required in the Additional Terms and Conditions for each load of asbestos-containing material delivered to the facility. These records shall be maintained for a period of 2 years.

[40 CFR 61.154(e)(4)], [OAC rule 3745-20-05(E)(5)], and [OAC rule 3745-20-06(C)(1) and (3)]

- (9) The permittee shall maintain a permanent record of the location, depth and area, and quantity in cubic yards of all asbestos-containing waste materials within the disposal site, on a map or a diagram of the disposal area.

[40 CFR 61.154(f) and (g)] and [OAC rule 3745-20-06(C)(2)]

- (10) The permittee shall require that all asbestos waste shipments received be accompanied by a waste shipment record. The waste shipment records shall include the following information:

- a. the name of the work site or facility where the asbestos-containing waste was generated and the mailing address and telephone number of the facility owner;
- b. 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;
- c. active waste disposal site designated by the generator to receive the asbestos-containing waste material for disposal;
- d. the name and address of the local, state or U.S. EPA regional agency responsible for administering the National Emission Standards for Hazardous Air Pollutants (NESHAP) program for asbestos;
- e. a description of the asbestos-containing waste materials included in the waste shipment;
- f. the number and type of containers included in the waste shipment;
- g. the approximate volume of asbestos-containing waste material included in the waste shipment, in cubic yards;
- h. special handling instructions or additional information relative to the waste shipment the waste generator may specify;
- i. 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 government regulations;

- j. the name, address and phone number of the transporter;
- k. a signature by the transporter, to acknowledge receipt of the asbestos-containing waste shipment, described by the waste generator for the conditions recorded on the waste shipment record;
- l. a discrepancy indication space to be completed by the transporter or waste shipment owner or operator 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;
- m. the name and telephone number of the disposal site operator;
- n. a signature by the waste disposal site operator to acknowledge receipt of the asbestos-containing waste shipment described by the waste generator in the conditions above, except as noted in the discrepancy indication space; and
- o. the date of receipt of the asbestos-containing waste.

Significant amounts of improperly contained waste shall be reported in writing to the appropriate Ohio EPA District Office or local air agency by the following working day. The report shall include a copy of the waste shipment. The waste shipment record forms shall be retained at the facility for at least two years, and shall be made available for inspection upon request.

[40 CFR 61.154(e)] and [OAC rule 3745-20-05(E)]

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit quarterly written reports that (a) identify 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. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

[40 CFR 61.154(a), in part] and [OAC rule 3745-20-06(A) and (B)(1), in part]

- (3) The permittee shall submit quarterly reports summarizing the asbestos disposal activities; these reports shall contain the following information:

- a. the name, address and location of the facility, the calendar period covered by the report, and any changes in the methods of storage or the disposal operations; and
- b. a list of all asbestos-containing waste consignments received including: the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

These quarterly reports shall be submitted no later than January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

[40 CFR 61.154(i), in part] and [OAC rule 3745-20-05, in part]

- (4) As soon as possible and no longer than 30 days after receipt of the asbestos-containing waste material, the permittee shall send a copy of the signed waste shipment record to the waste generator.

[40 CFR 61.154(e)(2)] and [OAC rule 3745-20-06(E)(2)(b)(ii)]

- (5) Upon discovery of a discrepancy between the quantity of asbestos-containing waste material designated on a waste shipment record and the quantity actually received, the permittee shall attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the State, local, district, or U.S. EPA regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and the Director (the appropriate Ohio EPA District Office or local air agency) if the waste was received from out of State. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.

[40 CFR 61.154(e)(3)] and [OAC rule 3745-20-05(E)(2)(b)(iii)]

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

[40 CFR 61.154(h)] and [OAC rule 3745-20-06(E)]

- (7) The permittee shall notify the Director, in writing, at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. The following information shall be included in the notice:

- a. scheduled starting and completion dates;
- b. reason for disturbing the waste;



- c. procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material...
d. location of any temporary storage site and the final disposal site.

[40 CFR 61.154(j)], [OAC rule 3745-20-06(F)], and [OAC rule 3745-20-07(D)]

- (8) The permittee shall notify the Director of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Spill Contingency Plan." Notification shall be provided as soon as possible by a phone contact, followed in writing by the next working day.

[40 CFR 61.154(e), in part] and [OAC rule 3745-20-05(E)(2)(iii), in part]

- (9) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

- (1) Emission Limitation:

Total particulate emissions (PE) shall not exceed 1.24 tons per year.

Applicable Compliance Method:

The emission factor calculation for material handling in AP-42 section 13.2.4 (January, 1995) shall be utilized to determine compliance. Initial compliance has been determined using inputs representing current conditions as follows:

E = k(0.0032)[(U/5)1.3/(M/2)1.4]
(0.74)(.0032)[(11/5)1.3/ (11/2)1.4]
(.0024)(2.79/ 10.88)
(.0024)(0.26) = 0.0006 lb/ton

Where:

E = emission factor expressed in pounds (lbs) / ton
k = particle size multiplier (dimension less) = 0.74

U = mean wind speed expressed in miles per hour (MPH) = 11\*

M = material moisture content (%) = 11.0\*\*

E = 0.0006 lb/ton

Number of Transfer Points - 3 (load out from trucks, compaction of waste, and placement of cover material);

Tons per year throughput - 572,000 (2000 TPD\*\*\* @ 286 days of operation, application submitted 5/25/04)

Total tons particulate emissions emitted per year is calculated as follows:

(E) x (No. Transfer Points) x (Tons Per year Throughput) x (1 ton/2000lbs)

(0.0006 lbs/ton) x (3) x (572,000 ton / year) x (1 ton/2000lbs) = 0.54 tons per year

\* The highest average wind speed in the State Of Ohio. 11 miles per hour is worst case scenario from Mansfield, Ohio.

\*\* The material moisture content of 11% for municipal solid waste operations, miscellaneous fill materials from Table 13.2.4-1, AP-42, January 1995.

\*\*\*Average tons of waste received per day. 2000 tons/day x 286 days of operation/year= 572,000 tons/year. 65,000 tons of cover material placed per year.

Cover Material:

0.058 lb/ton topsoil removed x 20,000 tons (application submitted 5/25/04) + 0.012 lb/ton replaced x 20,000 (application submitted 5/25/04) / 2000 = 0.7 tons per year PE. Emission factors from Table 11.9-4, AP-42, July 1998.

(2) Emission Limitation:

No visible particulate emissions except for 3 minutes during any 60-minute period from the landfill activities identified in b)(2)a.

Applicable Compliance Method:

Compliance with the visible emission limitations for the landfill activities identified above in b)(2)a. shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

(3) Emission Limitation:

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



Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

[40 CFR 61.154], [OAC rule 3745-20-06], and [OAC rule 3745-17-08]

g) Miscellaneous Requirements

- (1) None.