



Environmental Protection Agency

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

1/23/2012

KEN HUMPHREY  
ENVIROSAFE SERVICES OF OHIO, INC.  
876 OTTER CREEK RD  
OREGON, OH 43616

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE  
Facility ID: 0448020066  
Permit Number: P0109048  
Permit Type: Renewal  
County: Lucas

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)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at [www.epa.ohio.gov/dapc/permitsurvey.aspx](http://www.epa.ohio.gov/dapc/permitsurvey.aspx) and give us feedback on your permitting experience. We value your opinion.

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  
309 South Fourth Street, Room 222  
Columbus, OH 43215

If you have any questions, please contact Toledo Department of Environmental Services at (419)936-3015 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc), by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: TDES





**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
ENVIROSAFE SERVICES OF OHIO, INC.**

Facility ID:	0448020066
Permit Number:	P0109048
Permit Type:	Renewal
Issued:	1/23/2012
Effective:	1/23/2012
Expiration:	1/23/2022





Division of Air Pollution Control
Permit-to-Install and Operate
for
ENVIROSAFE SERVICES OF OHIO, INC.

Table of Contents

Authorization ..... 1
A. Standard Terms and Conditions ..... 4
1. What does this permit-to-install and operate ("PTIO") allow me to do?..... 5
2. Who is responsible for complying with this permit? ..... 5
3. What records must I keep under this permit? ..... 5
4. What are my permit fees and when do I pay them?..... 5
5. When does my PTIO expire, and when do I need to submit my renewal application? ..... 5
6. What happens to this permit if my project is delayed or I do not install or modify my source? ..... 6
7. What reports must I submit under this permit? ..... 6
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? ..... 6
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ... 6
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? ..... 7
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? ..... 7
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? ..... 7
13. Can I transfer this permit to a new owner or operator?..... 8
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? ..... 8
15. What happens if a portion of this permit is determined to be invalid? ..... 8
B. Facility-Wide Terms and Conditions..... 9
C. Emissions Unit Terms and Conditions ..... 13
1. F001, Roadways and Parking Areas ..... 14
2. F002, Landfill Operations ..... 19
3. F005, Lime/Cement Unloading ..... 29
4. F007, Bulk Storage Silo B/Weigh Scales 1 & 2/Mixing Station ..... 34
5. P903, Sort Floor ..... 39
6. P904, Crusher/Separator System..... 45
7. P905, Container Storage Building ..... 51
8. Emissions Unit Group -F003 F004 & F006 Group: F003,F004,F006, ..... 57

9. Emissions Unit Group -P901/P902 Truck Unloading Group: P901,P902, ..... 61

10. Emissions Unit Group -T001-T004 Leachate Tank Group: T001,T002,T003,T004, ..... 67

## Authorization

Facility ID: 0448020066  
Application Number(s): A0041605  
Permit Number: P0109048  
Permit Description: PTIO renewal for all emissions units at Envirosafe Services of Ohio, Inc. and an Administrative Modification for emissions unit F005 to update the AP-42 emission factors which increased the PE limit for this emissions unit.  
Permit Type: Renewal  
Permit Fee: \$0.00  
Issue Date: 1/23/2012  
Effective Date: 1/23/2012  
Expiration Date: 1/23/2022  
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15

This document constitutes issuance to:

ENVIROSAFE SERVICES OF OHIO, INC.  
876 OTTER CREEK ROAD  
Oregon, OH 43616

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

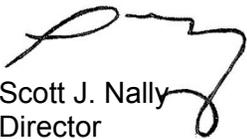
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Toledo Department of Environmental Services  
348 South Erie Street  
Toledo, OH 43604  
(419)936-3015

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

  
Scott J. Nally  
Director



Authorization (continued)

Permit Number: P0109048

Permit Description: PTIO renewal for all emissions units at Envirosafe Services of Ohio, Inc. and an Administrative Modification for emissions unit F005 to update the AP-42 emission factors which increased the PE limit for this emissions unit.

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

- Emissions Unit ID: F001
Company Equipment ID: Roadways and Parking Areas
Superseded Permit Number:
General Permit Category and Type: Not Applicable
Emissions Unit ID: F002
Company Equipment ID: Landfill Operations
Superseded Permit Number:
General Permit Category and Type: Not Applicable
Emissions Unit ID: F005
Company Equipment ID: Cement Unloading
Superseded Permit Number: 04-00812
General Permit Category and Type: Not Applicable
Emissions Unit ID: F007
Company Equipment ID: Bulk Storage Silo B/Weigh Scales 1 & 2/Mixing Station
Superseded Permit Number:
General Permit Category and Type: Not Applicable
Emissions Unit ID: P903
Company Equipment ID: Sort Floor
Superseded Permit Number:
General Permit Category and Type: Not Applicable
Emissions Unit ID: P904
Company Equipment ID: Crusher/Separator System
Superseded Permit Number:
General Permit Category and Type: Not Applicable
Emissions Unit ID: P905
Company Equipment ID: Container Storage Building
Superseded Permit Number:
General Permit Category and Type: Not Applicable

Group Name: F003 F004 & F006 Group

Table with 2 columns: Emissions Unit ID and details. Rows include F003 (Campaign Sort/Stabilization Area) and F004 (Mixing Station).

<b>Emissions Unit ID:</b>	<b>F006</b>
Company Equipment ID:	Bulk Storage Silo A/Weigh Scales 1 & 2
Superseded Permit Number:	04-00812
General Permit Category andType:	Not Applicable

**Group Name: P901/P902 Truck Unloading Group**

<b>Emissions Unit ID:</b>	<b>P901</b>
Company Equipment ID:	Truck Unloading Station No. 1
Superseded Permit Number:	04-00812
General Permit Category andType:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P902</b>
Company Equipment ID:	Truck Unloading Station No. 2
Superseded Permit Number:	04-00812
General Permit Category andType:	Not Applicable

**Group Name: T001-T004 Leachate Tank Group**

<b>Emissions Unit ID:</b>	<b>T001</b>
Company Equipment ID:	Leachate Storage Tank No. 1
Superseded Permit Number:	04-00812
General Permit Category andType:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T002</b>
Company Equipment ID:	Leachate Storage Tank No. 2
Superseded Permit Number:	04-00812
General Permit Category andType:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T003</b>
Company Equipment ID:	Leachate Storage Tank No. 3
Superseded Permit Number:	04-00812
General Permit Category andType:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T004</b>
Company Equipment ID:	Leachate Storage Tank No. 4
Superseded Permit Number:	04-00812
General Permit Category andType:	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.

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.

**5. 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 Toledo Department of Environmental Services 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.

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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).

**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.

**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.
2. General building ventilation exhaust for the waste stabilization containment building and container storage building shall each be equipped with a baghouse. Each baghouse shall be equipped with a device to continuously measure the pressure drop across the baghouse, and be equipped with an alarm that will sound when a broken bag is detected.
3. Good housekeeping practices shall be employed throughout the waste stabilization containment building and container processing building. The floors shall be cleaned at least once daily, when in operation, to minimize fugitive dust emissions.
4. Visible particulate emissions from the general building ventilation stacks of the waste stabilization containment building shall not exceed 0% opacity as a 6 minute average, as determined by Method 9 of 40 CFR Part 60, Appendix A.
5. The permittee shall implement a preventive maintenance program for the general building ventilation exhaust fabric filters. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.
6. The permittee shall maintain records of all inspections and maintenance performed on the general building ventilation exhaust baghouses.
7. The emissions from the General building ventilation exhaust shall be vented to the baghouse(s) at all times the emissions unit is in operation.
8. The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis, when the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a) the date and time the deviation began;
- b) the magnitude of the deviation at that time;
- c) the date the investigation was conducted;
- d) the name(s) of the personnel who conducted the investigation; and
- e) the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a) a description of the corrective action;
- b) the date corrective action was completed;
- c) the date and time the deviation ended;
- d) the total period of time (in minutes) during which there was a deviation;
- e) the pressure drop readings immediately after the corrective action was implemented; and
- f) the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

9. The permittee shall maintain daily records that document any time periods when the baghouse(s) serving the general building ventilation was/were not in service while the waste is being processed in the waste stabilization containment building.
10. The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the

Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse(s) during the 12-month reporting period for this/these emissions unit(s):

- a) each period of time (start time and date, and end time and date) when the pressure drop across the baghouse(s) was/were outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
- b) any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c) each incident of deviation described in "a)" (above) where a prompt investigation was not conducted;
- d) each incident of deviation described in "a)" where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
- e) each incident of deviation described in "a)" where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

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

**1. F001, Roadways and Parking Areas**

**Operations, Property and/or Equipment Description:**

F001 - Roadways and Parking Areas, Paved and Unpaved

- 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
Paved roadways and parking areas - see b)(2)a.		
a.	OAC rule 3745-17-07(B)(4)	No visible particulate emissions except for 6 minutes during any 60-minute period
b.	OAC rule 3745-17-08(B), (B)(8), (B)(9)	Reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.  See b)(2)c., b)(2)e., b)(2)g. and b)(2)h.
Unpaved roadways and parking areas - see b)(2)b.		
c.	OAC rule 3745-17-07(B)(5)	No visible particulate emissions except for 13 minutes during any 60-minute period.

d.	OAC rule 3745-17-08(B), (B)(2)	Reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.  See b)(2)d., b)(2)e., b)(2)f., b)(2)g. and b)(2)h.
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(2) Additional Terms and Conditions

- a. The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:  
  
 All paved roadways and parking areas
- b. The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:  
  
 All unpaved roadways and parking areas
- c. The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by watering and sweeping at sufficient frequencies and restricting the speed of vehicular traffic to 10 mile per hour to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water at sufficient treatment frequencies and restricting the speed of vehicular traffic to 10 mile per hour to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

- f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- g. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- h. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies, when the emissions unit is in operation:

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
All paved roadways and parking areas	daily
<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
All unpaved roadways and parking areas	daily

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- (3) For emission points for which the daily checks show emissions that are representative of normal operation for 30 consecutive operating days, the required frequency of visible emissions checks may be reduced to weekly (once per week, when the emissions unit is in operation). If a subsequent check of such emission point by the permittee or an Ohio

EPA inspector indicates abnormal emissions, the frequency of emissions checks shall revert to daily, when the emissions unit is in operation, for that emission point until such time as there are 30 consecutive operating days of normal visible emissions.

- (4) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4) shall be kept separately for the paved roadways and parking areas, and the unpaved roadways and parking areas. The information required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the PER forms the following information concerning inspection requirements during the 12-month reporting period for this emissions unit:

- 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.

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 Limitation:

No visible fugitive particulate emissions from the paved roadways and parking areas except for 6 minutes during any 60-minute period.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

b. Emission Limitation:

No visible fugitive particulate emissions from the unpaved roadways and parking areas except for 13 minutes during any 60-minute period.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

(1) None.

**2. F002, Landfill Operations**

**Operations, Property and/or Equipment Description:**

F002 - Landfill Operations - Hazardous Waste Landfill Operations

- 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 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20 percent opacity as a 3-minute average in all areas, except for active asbestos disposal areas.
b.	OAC rule 3745-17-08(B)	Reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.  See b)(2)e. through b)(2)g.
c.	OAC rule 3745-20-06	See b)(2)a. through b)(2)d.
d.	OAC rule 3745-20-07	See b)(2)d.
e.	40 CFR Part 61, Subpart M  (40 CFR 61.140 – 61.157)	See b)(2)a. through b)(2)c.

- (2) Additional Terms and Conditions
- a. The permittee of an active asbestos waste disposal site as defined under 40 CFR Part 61, Subpart M or OAC rule 3745-20-06(B) shall cause or permit no visible emissions to the outside air; or shall comply with the requirements of paragraph b)(2)b.
  - b. Rather than meet the no visible emissions requirement of paragraph b)(2)a., the permittee of an active asbestos waste disposal site shall comply with the following:
    - i. There shall be no visible emissions 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. The permittee shall cover and compact asbestos wastes in accordance with the following:
      - (a) As soon as practicable after the placement of friable asbestos, but no later than the end of each working day, the asbestos-containing waste materials deposited at the site during the operating day shall be covered with at least 12 inches of non-asbestos-containing materials. Once the asbestos-containing materials are covered, the area may be compacted.
      - (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 condition b)(2) b.iii.(a) above.
      - (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 and a permanent cover of vegetation, or in accordance with current requirements for closure, whichever is more stringent.
    - iv. The permittee may also use an alternative emissions control method that has received prior written approval by the Administrator according to the procedures described in 40 CFR 61.149(c)(2).
  - c. The permittee shall establish restricted access, adequate to deter the unauthorized entry of the general public and any unauthorized personnel, within 100 feet of the unloading, deposition, and burial areas for the asbestos-containing waste materials; and shall display the following information on a sign not less than twenty by fourteen inches, so that it is visible at all entrances and at

intervals of three hundred 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: one inch sans serif, gothic or block in the first and second line; and at least three-fourths inches sans serif, gothic or block in the third line; and fourteen point gothic in the fourth line. 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"

- d. The requirements of this rule are equivalent to or less stringant than those established pursuant to 40 CFR Part 61 Subpart M.
- e. The material handling operation(s) that are covered by this permit and subject to OAC rule 3745-17-08 and 40 CFR Part 61 Subpart M are listed below:

Unloading, deposition, burial, compaction and wind erosion

- f. The permittee shall employ reasonably available control measures for the unloading, deposition, burial, compaction and wind erosion for the purpose of ensuring compliance with OAC rule 3745-17-07(B)(1). In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s): unloading, deposition, burial, compaction and wind erosion.

control measure(s): Covering with treated waste materials or other disposed waste materials containing adequate moisture content, including natural geologic materials (soils, clays and mixed media).

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- g. For each material handling operation that is not adequately enclosed, 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 measure(s) is (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 material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- h. The permittee shall implement and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" ("Plan") consisting of: authorized personnel training, inspection and disposal operating procedures, non-conforming load response procedures, inventory and maintenance procedures

for safety and emissions control equipment, recordkeeping procedures, and emergency notification procedures. Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times.

- i. 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.

c) Operational Restrictions

- (1) In accordance with OAC rule 3745-02-05(C)(1), the permittee shall not accept any load of asbestos-containing waste material for disposal, unless it has been labeled in accordance with this paragraph or section d)(1)a. and is sealed in leak-tight waste disposal containers conforming to OAC rule 3745-20-05(C). All containers of asbestos-containing waste material shall be labeled to contain the following information:

DANGER  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD

R.Q. Hazardous Substance  
N.O.S. asbestos  
ORM-E 9188

The permittee shall not accept wrapped pipes or drums for disposal unless a method for handling the waste is developed in which the waste can be unloaded and placed into the landfill cell without causing a release.

- (2) All benzene-containing wastes generated by facilities that are subject to 40 CFR 61 Subpart FF and shipped to the EnviroSAFE Services of Ohio, Inc. for land disposal shall meet the applicable Land Disposal Restriction standards for benzene in 40 CFR 268.

The permittee shall check each benzene-containing waste shipment, accepted at the site, to have documentation that includes the following information:

- a. date waste is shipped offsite;
- b. quantity of waste shipped;
- c. name and address of the facility receiving the waste;
- d. statement that the waste contains benzene;
- e. statement that the waste is compliant with Land Disposal Restriction standards for benzene in 40 CFR 268; and
- f. copy of this notice on file or sent with the waste shipment.

NOTE: The following three terms are for solid waste disposal (non-asbestos containing materials).

- (3) The permittee shall ensure that solid wastes are deposited, spread, and compacted in such a manner as to minimize or prevent visible emissions of fugitive dust. The permittee shall require all truckloads of solid waste to be unloaded in a manner that will minimize the drop height of the solid wastes. Any dusty materials or wastes likely to become airborne shall be watered as necessary prior to or during dumping operations in order to minimize or eliminate visible emissions of fugitive dust. Watering shall be conducted in such a manner as to avoid the pooling of liquids and runoff. No dusty material shall be dumped during periods of high wind speed, unless the material has been treated to prevent fugitive dust emissions from becoming airborne.
- (4) The permittee shall employ reasonably 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 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 reasonably available control measures to ensure compliance.
- (5) 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) **Monitoring and/or Recordkeeping Requirements**

- (1) In accordance with OAC rule 3745-20-05, for all asbestos-containing waste material received, the permittee of the active waste disposal site shall:
  - a. Inspect all loads of asbestos-containing material delivered to the facility. The inspection shall consist of a visual examination of each load, sufficient to determine whether the asbestos-containing materials are received in intact, leak-tight containers as described in OAC 3745-20-05(C), approved for acceptance with paragraph c)(1). The inspection shall determine whether the waste shipment record in d)(1)c. accompanies the consignment and accurately describes the waste material and quantity.

If on the basis of the inspection, the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Spill Contingency Plan," and the discrepancy shall be noted on the waste shipment record.
  - b. In accordance with OAC rule 3745-20-05(E)(1) and (2), maintain waste shipment records, using a form similar to that shown in Figure 4 of 40 CFR 61.149, that contains the information in OAC 3745-20-05(E)(1)(a) through (m) filled out by the

waste generator, transporter and waste disposal site owner or operator. Retain a copy of all waste shipment records for at least two years.

- c. In accordance with OAC rule 3745-20-05(E)(2), the waste generator and the owner or operator of the waste disposal site shall conform to the following procedures:
    - i. Before releasing the waste shipment for off-site disposal the waste generator shall complete the information required by OAC 3745-20-05 (E)(1)(a) to (E)(1)(h) of this rule, and sign and date on the date of shipment, the certification required by paragraph (E)(1)(i) of this rule.
    - ii. Upon receiving the waste shipment the waste disposal site operator shall:
      - (a) 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.
      - (b) 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 disposal site record.
      - (c) 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 days after receiving the waste, immediately report the discrepancy in writing to the local, state, or USEPA regional office responsible for administering the asbestos NESHAP program for the waste generator, and, if different, the local, state, or USEPA 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 record along with the report to Ohio EPA.
- (2) In accordance with OAC rule 3745-20-06, Standards for Active Asbestos Waste Disposal Sites, the permittee shall meet the following requirements:
- a. The owner or operator of an active asbestos waste disposal site that receives waste that contains asbestos-containing material shall comply with the following:
    - i. 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; and

- b. For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:
    - i. Maintain waste shipment records, in accordance with paragraph (E) of rule 3745-20-05 of the Administrative Code.
    - ii. 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 diagram of the disposal area.
    - iii. Retain a copy of all other records and reports required by this chapter for at least two years.
  - c. The owner or operator of the active waste disposal site shall furnish all records required under this rule upon request and make them available during normal business hours for inspection by the director or his representative.
- (2) The permittee shall comply with the requirements for Standard for Inactive Asbestos Waste Disposal Sites in accordance with OAC rule 3745-20-07. The requirements of this regulation are the same as those stated in 40 CFR 61.151 (see below).
  - (3) For all benzene-containing waste shipments, accepted at the site for land disposal, the permittee shall maintain waste shipment records that include information listed in c)(2).
  - (4) [40 CFR Part 61, subpart M] NATIONAL EMISSION STANDARDS FOR ASBESTOS-MONITORING REQUIREMENTS

The permittee shall comply with the applicable monitoring and recordkeeping requirements under this subpart, including, but not limited to, the following sections:

<i>61.151 Standards for inactive waste disposal sites</i>	
61.151(a) and (a)(1) through (a)(4)	Comply with one of the options in (a)(1) through (a)(4) for visible emissions or covering the asbestos-containing material.
61.151(b) and (b)(1) through (b)(3)	Requirements to install and maintain fencing and signs around the perimeter of the site.
61.151(c)	Use of an alternative control method if approved by the Administrator to comply with (a) or (b) of this section.
61.151(d)	Notification requirements prior to excavating or disturbing asbestos-containing waste material deposited at a waste disposal site.
61.151(e) and (e)(1) through (e)(3)	Within 60 days of a site becoming inactive, record, in accordance with State law, a notation on the deed to the facility property and on any other instrument that would normally be examined during a title search; this notation will in perpetuity notify any potential purchaser of the property.

<i>61.154 Standards for active waste disposal sites</i>	
61.154(b) and (b)(1) through (b)(3)	Requirements to install adequate barriers, fencing and warning signs.
61.154(e) and (e)(1) through (e)(4)	Recordkeeping requirements of waste shipment records for all asbestos-containing waste material received.
61.154(f)	Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.
61.154(g)	Upon closure, comply with all the provisions of 61.151.
61.154(i)	Furnish upon request, and make available during normal business hours for inspection by the Administrator, all records required under this section.

- (5) 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 non asbestos-containing materials resulting from any landfill operations (such as wastes unloading, covering, excavation, and wind erosion). The presence or absence of any visible emissions of fugitive dust 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 emission

e) Reporting Requirements

- (1) In accordance with OAC 3745-20-06(E) and 40 CFR 61.154(h), submit to the Toledo Division of Environmental Services, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities.
- (2) In accordance with OAC 3745-20-06(F), 3745-20-07(D) and 40 CFR 61.154(j), notify the Toledo Division of Environmental Services 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 to the Toledo Division of Environmental Services at least 10 working days before excavation begins and 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 Toledo Division of Environmental Services may require changes in the emission control procedures to be used; and
  - d. location of any temporary storage site and the final disposal site.
- (3) Upon discovering a discrepancy between the quantity of asbestos 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 15 days after receiving the waste, immediately report 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 the Toledo Division of Environmental Services. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.
- (4) The permittee shall notify the appropriate Ohio EPA District Office or local air agency of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Spill Contingency Plan." Notification shall be provided as soon as possible by a phone contact, followed in writing by the next working day. The written notification shall provide a copy of the waste shipment record ("WSR"), if available, or when waste is not shipped with a WSR, provide available information concerning vehicle identification, source of the load, a description of the load, nature of discrepancy, and the location of disposal. If possible, non-conforming loads of suspect friable material shall be detained, or the location of disposal protected from damage, until the Ohio EPA is informed and provided the opportunity to inspect.
- (5) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered..

The permittee shall identify in the PER forms the following information concerning the following occurrences:

- a. identify all days during which any visible emissions of fugitive dust from non asbestos-containing materials were observed from operations involving this emissions unit (such as wastes unloading, covering, excavation and wind erosion).

- b. describe any corrective actions taken to eliminate the visible emissions.
- c. summarize the asbestos disposal activities. The report shall contain the following information:
  - i. the name, address and location of the facility; the calendar period covered by the report; and any changes in the methods of storage or the disposal operations; and
  - ii. a list of all asbestos-containing waste consignments received including: the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

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 Limitation

20% opacity as a 3-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03 (B)(3)

- b. Emission Limitation:

No visible emissions

Applicable Compliance Method:

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

g) **Miscellaneous Requirements**

- (1) None.

**3. F005, Lime/Cement Unloading**

**Operations, Property and/or Equipment Description:**

F005 - Lime/Cement Unloading using pneumatic transfer from the trucks to the storage silos (4) with enclosure and a baghouse.

h) 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.

i) 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)  (PTI 04-00812 modified 10/30/2001)	0.59 lb/hr Particulate Emissions (PE)  See b)(2)a.
b.	OAC rule 3745-17-07(A)(1)	See b)(2)c.
c.	OAC rule 3745-17-07(B)	See b)(2)c.
d.	OAC rule 3745-17-08(B)	See b)(2)b.
e.	OAC rule 3745-17-08(B)(3)	See b)(2)c.
f.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. Fugitive particulate emissions control:

- i. Lime/cement shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust.
    - ii. Visible particulate emissions from the stack serving this emissions unit shall not exceed 0% opacity as a 6 minute average.
  - b. The permittee has satisfied the "reasonably available control measures" required pursuant to OAC rule 3745-17-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)
  - c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- j) Operational Restrictions
  - (1) The permittee shall operate the baghouse whenever this emission unit is in operation.
  - (2) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
  - (3) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.
- k) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall maintain daily records that document any time periods when the baghouse serving this emissions unit was not in service when the emissions unit was in operation.
  - (2) The baghouse serving the lime/cement unloading and storage silo shall be equipped with an alarm that will sound when a broken bag is detected.
  - (3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis whenever the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the

cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (4) The permittee shall maintain daily records that document any time periods when the baghouse serving this emissions unit was not in service when the emissions unit was in operation.

l) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "eBusiness Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):

- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
- b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c. each incident of deviation described in "a." (above) where a prompt investigation was not conducted;
- d. each incident of deviation described in "a." where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
- e. each incident of deviation described in "a." where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

m) 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 limitation:

0.59 lb/hr PE

Applicable compliance method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

b. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 0% opacity as a 6-minute average.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A, per PTI 04-00812. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

n) Miscellaneous Requirements

- (1) The permittee shall implement and maintain a preventive maintenance program for the baghouse serving this emissions unit. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.

**4. F007, Bulk Storage Silo B/Weigh Scales 1 & 2/Mixing Station**

**Operations, Property and/or Equipment Description:**

Bulk Storage Silo B/Weigh Scales 1 & 2/Mixing Station - pneumatic unloading of lime/cement from tank trucks to bulk storage silo.

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)  (PTI 04-00812 modified 10/30/2001)	See b)(2)a.
b.	OAC rule 3745-17-07(A)(1)	See b)(2)c.
c.	OAC rule 3745-17-07(B)	See b)(2)c.
d.	OAC rule 3745-17-08(B)	See b)(2)b.
e.	OAC rule 3745-17-08(B)(3)	See b)(2)c.
f.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. Fugitive particulate emissions control:

- i. The pneumatic system shall be adequately enclosed and vented to a baghouse. The enclosure shall be sufficient so as to minimize at all times visible emissions of fugitive dust at the points of capture.
    - ii. Visible particulate emissions from the baghouse serving this emissions unit shall not exceed 0% opacity as a 6-minute average.
  - b. The permittee has satisfied the "reasonably available control measures" required pursuant to OAC rule 3745-17-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)
  - c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c) Operational Restrictions
  - (1) The permittee shall operate the baghouse whenever this emission unit is in operation.
  - (2) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
  - (3) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.
- d) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall maintain daily records that document any time periods when the baghouse serving this emissions unit was not in service when the emissions unit was in operation.
  - (2) The baghouse serving this emissions unit shall be equipped with an alarm that will sound when a broken bag is detected.
  - (3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis, whenever the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the

cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more

than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):

- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
- b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c. each incident of deviation described in "a." (above) where a prompt investigation was not conducted;
- d. each incident of deviation described in "a." where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

each incident of deviation described in "a." where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit

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 Limitation:

Visible particulate emissions from the baghouse serving this emissions unit shall not exceed 0% opacity as a 6-minute average.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

- (1) The permittee shall implement and maintain a preventive maintenance program for the baghouse serving this emissions unit. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.

**5. P903, Sort Floor**

**Operations, Property and/or Equipment Description:**

P903 – Sort Floor - limited to a maximum processing rate of 150 tons per hour and controlled by a baghouse with a carbon filter. Hazardous waste is sorted and stabilization materials are added

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)  (PTI 04-00812 modified 10/30/2001)	0.00015 lb/hr Particulate Emissions (PE)  See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)(1), (B)(1)	See b)(2)c.
c.	OAC rule 3745-17-08(B)(3)	See b)(2)c.
d.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. Visible emissions shall not exceed 0% opacity as a six minute average from the stack serving the sorting area.

b. Fugitive particulate emissions control:

- i. There shall be no visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.
  - ii. The emissions from the sorting area shall be controlled by a baghouse followed by carbon filter.
  - iii. Good housekeeping practices shall be employed throughout the waste stabilization containment building. The floors shall be cleaned at least once daily to minimize fugitive dust emissions, whenever the emissions unit is in operation.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The permittee shall apply sufficient moisture to feed materials before unloading into the sort floor to minimize visible emissions of fugitive dust. This emissions unit shall be equipped with a water spray system that is operated to minimize visible emissions of fugitive dust.
- (2) The permittee shall operate the associated baghouses whenever this emission unit is in operation.
- (3) The permittee shall operate the carbon filter whenever this emissions unit is in operation.
- (4) The existing carbon shall be replaced with fresh carbon immediately when the carbon breakthrough is indicated.
- (5) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
- (6) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

d) Monitoring and/or Recordkeeping Requirements

- (1) The baghouse serving the sorting area shall be equipped with an alarm that will sound when a broken bag is detected.
- (2) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis, whenever the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the

manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (3) The permittee shall maintain daily records that document any time periods when the baghouse serving this emissions unit was not in service when the emissions unit was in operation.
- (4) The permittee shall maintain daily records that document any time periods when the carbon filter was not in service when the emissions unit was in operation.
- (5) The permittee shall maintain daily records that document any time periods when the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated.
- (6) The concentration level of organic compounds in the exhaust vent stream from each carbon filter required by this permit shall be monitored and recorded on a regular schedule. The device shall be monitored on a daily basis, whenever the emissions unit is in operation, or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon filter in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system.
- (7) The permittee shall maintain records of all inspections and maintenance performed on the air pollution control equipment.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):

- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
- b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c. each incident of deviation described in "a." (above) where a prompt investigation was not conducted;

- d. each incident of deviation described in “a.” where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken;
- e. each incident of deviation described in “a.” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit:
- f. each period of time during which the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated; and
- g. each period of time during which the carbon filter was not in service when the emissions unit was in operation.

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 limitation:

0.00015 lb/hr PE

Applicable compliance method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

- b. Emission Limitation;

0% opacity from the stack serving the sorting area, as a six-minute average.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA

- c. Emission Limitation:

No visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 37455-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

- (1) The permittee shall implement and maintain a preventive maintenance program for the baghouse serving this emissions unit. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.

**6. P904, Crusher/Separator System**

**Operations, Property and/or Equipment Description:**

P904 -Crusher/Separator System where hazardous waste is crushed and separated. The unit is limited to a maximum 150 tons per hour and controlled by a baghouse with HEPA filter and carbon filter.

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)  (PTI 04-902 modified 2/14/1996)	0.30 lb/hr Particulate Emissions (PE)  See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)(1), (B)(1)	See b)(2)c.
c.	OAC rule 3745-17-08(B)(3)	See b)(2)c.
d.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. Visible emissions shall not exceed 0% opacity as a six minute average from the stack serving the crusher/separator system.

b. Fugitive particulate emissions control:

- i. There shall be no visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.
  - ii. The emissions from the crusher/separator system shall be controlled by a baghouse followed by HEPA filter and carbon filter.
  - iii. Good housekeeping practices shall be employed throughout the waste stabilization containment building. The floors shall be cleaned at least once daily, whenever the emissions unit is in operation, to minimize fugitive dust emissions.
  - iv. General building ventilation for the waste stabilization containment building shall be controlled by baghouses
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The permittee shall apply sufficient moisture to feed materials before unloading into the crusher to minimize visible emissions of fugitive dust. This emissions unit shall be equipped with a water spray system that is operated to minimize visible emissions of fugitive dust.
- (2) The permittee shall operate the associated baghouses whenever this emissions unit is in operation.
- (3) The permittee shall operate the carbon filter whenever this emissions unit is in operation.
- (4) The existing carbon shall be replaced with fresh carbon immediately when the carbon breakthrough is indicated.
- (5) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
- (6) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the baghouse serving this emissions unit was not in service when the emissions unit was in operation.
- (2) The baghouses serving the crusher/separator shall be equipped with an alarm that will sound when a broken bag is detected.

- (3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis, whenever the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (4) The permittee shall maintain daily records that document any time periods when the carbon filter was not in service when the emissions unit was in operation.
- (5) The permittee shall maintain daily records that document any time periods when the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated.
- (6) The concentration level of organic compounds in the exhaust vent stream from each carbon filter required by this permit shall be monitored and recorded on a regular schedule. The device shall be monitored on a daily basis, whenever the emissions unit is in operation, or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon filter in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system.
- (7) The permittee shall maintain records of all inspections and maintenance performed on the air pollution control equipment.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):

- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;

- b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c. each incident of deviation described in "a." (above) where a prompt investigation was not conducted;
- d. each incident of deviation described in "a." where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken;
- e. each incident of deviation described in "a." where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit;
- f. each period of time during which the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated; and
- g. each period of time during which the carbon filter was not in service when the emissions unit was in operation.

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 limitation:

0.30 lb/hr PE

Applicable compliance method:

Stack testing conducted on Feb. 6-7, 1995 determined an actual emission rate of 0.23 pound per hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

- b. Emission Limitation;

0% opacity from the stack serving the sorting area, as a six-minute average.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA

c. Emission Limitation:

No visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 37455-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

- (1) The permittee shall implement and maintain a preventive maintenance program for the baghouse serving this emissions unit. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.

**7. P905, Container Storage Building**

**Operations, Property and/or Equipment Description:**

P905 - Container Storage Building - containers are emptied into bins to be processed in the stabilization containment building or the landfill. This unit is limited to a maximum processing rate of 150 tons per hour and controlled by a baghouse with a carbon filter.

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)  (PTI 04-00812 modified 10/30/2001)	0.0002 lb/hr Particulate Emissions (PE)  See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)(1), (B)(1)	See b)(2)c.
c.	OAC rule 3745-17-08(B)(3)	See b)(2)c.
d.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. Visible emissions shall not exceed 0% opacity as a six minute average from the stack serving the container storage building.

b. Fugitive particulate emissions control:

- i. There shall be no visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.
  - ii. The emissions from the container storage building shall be controlled by a baghouse followed by carbon filter.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The permittee shall operate the associated baghouse whenever this emission unit is in operation.
- (2) The permittee shall operate the carbon filter whenever this emissions unit is in operation.
- (3) The existing carbon shall be replaced with fresh carbon immediately when the carbon breakthrough is indicated.
- (4) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
- (5) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the baghouse serving this emissions unit was not in service when the emissions unit was in operation.
- (2) The baghouses serving this emissions unit shall be equipped with an alarm that will sound when a broken bag is detected.
- (3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis, whenever the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the

cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (4) The permittee shall maintain daily records that document any time periods when the carbon filter was not in service when the emissions unit was in operation.

- (5) The permittee shall maintain daily records that document any time periods when the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated.
- (6) The concentration level of organic compounds in the exhaust vent stream from each carbon filter required by this permit shall be monitored and recorded on a regular schedule. The device shall be monitored on a daily basis whenever the emissions unit is in operation or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon filter in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system.
- (7) The permittee shall maintain records of all inspections and maintenance performed on the air pollution control equipment.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):

- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
- b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c. each incident of deviation described in "a." (above) where a prompt investigation was not conducted;
- d. each incident of deviation described in "a." where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken;
- e. each incident of deviation described in "a." where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit:

- f. each period of time during which the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated; and
- g. each period of time during which the carbon filter was not in service when the emissions unit was in operation.

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 limitation:

0.0002 lb/hr PE

Applicable compliance method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

b. Emission Limitation;

0% opacity from the stack serving the container storage building as a six-minute average.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA

c. Emission Limitation:

No visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 37455-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

- (1) The permittee shall implement and maintain a preventive maintenance program for the baghouse serving this emissions unit. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.

**8. Emissions Unit Group -F003 F004 & F006 Group: F003,F004,F006,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
F003	Campaign Sort/Stabilization Area - hazardous waste is sorted, and if required, waste treatment additive materials are added. Maximum process capacity is 150 tons per hour.
F004	Mixing Station - Hazardous waste is stabilized by mixing with waste treatment additives and water using excavators with a maximum process capacity of 150 tons per hour.
F006	Bulk Storage Silo A/Weigh Scales 1 & 2/Mixing Station - Pneumatic conveying to storage silo, screw conveying to weigh scales, mixing with waste in containers. Maximum waste treatment process capacity of 150 tons per hour.

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)  (PTI 04-00812 modified 10/30/2001)	See b)(2)a.
b.	OAC rule 3745-17-07(B)	See b)(2)c.
c.	OAC rule 3745-17-08(B)	See b)(2)b.
d.	OAC rule 3745-17-08(B)(3)	See b)(2)c.

(2) Additional Terms and Conditions

- a. Fugitive particulate emissions control:
  - i. There shall be no visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.
  - ii. The permittee shall spray sufficient water to prevent visible emissions of fugitive dust inside the building as needed (F003 and F004) from this emissions unit.
  - iii. Good housekeeping practices to control particulate emissions shall be employed throughout the waste stabilization containment building. The floors shall be cleaned at least once daily, whenever the emissions unit is in operation, to minimize fugitive dust emissions.
- b. The permittee has satisfied the "reasonably available control measures" required pursuant to OAC rule 3745-17-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
- (2) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources

d) Monitoring and/or Recordkeeping Requirements

- (1) 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 the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. the total duration of any visible emissions incident; and
  - c. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term numberd)(1) above:

- a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and
- b. any corrective actions taken to eliminate the visible emissions.

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 Limitation:

No visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

- (1) None.

**9. Emissions Unit Group -P901/P902 Truck Unloading Group: P901,P902,**

EU ID	Operations, Property and/or Equipment Description
P901	Truck Unloading Station No. 1 - hazardous waste is unloaded from trucks into stabilization containment building. Maximum processing rate of 150 tons per hour, controlled by a baghouse (#6) with a carbon filter.
P902	Truck Unloading Station No. 2 - hazardous waste is unloaded from trucks into stabilization containment building. Maximum processing rate of 150 tons per hour, controlled by a baghouse (#5) with a carbon filter.

- 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) (PTI 04-00812 modified 10/30/2001)	0.00073 lb/hr Particulate Emissions (PE) See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)(1), (B)(1)	See b)(2)c.
c.	OAC rule 3745-17-08(B)(3)	See b)(2)c.
d.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

- a. Visible emissions shall not exceed 0% opacity as a six minute average from the stack serving the truck unloading station No. 1 or truck loading station 2..
- b. Fugitive particulate emissions control:
  - i. There shall be no visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.
  - ii. The emissions from the truck loading station No. 1 or No. 2 shall be controlled by a baghouse followed by carbon filter.
  - iii. Good housekeeping practices shall be employed throughout the waste stabilization containment building. The floors shall be cleaned at least once daily, whenever the emissions unit is in operation, to minimize fugitive dust emissions.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The permittee shall keep tarps in place on open-top bulk containers or apply sufficient moisture to feed materials before unloading into the truck unloading area to minimize visible emissions of fugitive dust. This emissions unit shall be equipped with a water spray system that is operated to minimize visible emissions of fugitive dust.
- (2) The permittee shall operate the associated baghouses whenever this emission unit is in operation.
- (3) The permittee shall operate the carbon filter whenever this emissions unit is in operation.
- (4) The existing carbon shall be replaced with fresh carbon immediately when the carbon breakthrough is indicated.
- (5) The emission source and its associated emission control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the manufacturers in order to minimize air contaminant emissions.
- (6) Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

d) Monitoring and/or Recordkeeping Requirements

- (1) Each baghouse serving the truck unloading stations No. 1 and No. 2, shall be equipped with an alarm that will sound when a broken bag is detected.

- (2) The permittee shall maintain daily records that document any time periods when the baghouses serving this emissions unit were not in service when the emissions unit was in operation.
  
- (3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis, whenever the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The acceptable pressure drop shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range is established to demonstrate compliance.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;
- e. the pressure drop readings immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

Investigation and 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.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (4) The permittee shall maintain daily records that document any time periods when the carbon filter was not in service when the emissions unit was in operation.
- (5) The permittee shall maintain daily records that document any time periods when the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated.
- (6) The concentration level of organic compounds in the exhaust vent stream from each carbon filter required by this permit shall be monitored and recorded on a regular schedule. The device shall be monitored on a daily basis whenever the emissions unit is in operation or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon filter in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system.
- (7) The permittee shall maintain records of all inspections and maintenance performed on the air pollution control equipment.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):

- a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range specified by the

manufacturer and outside of the acceptable range following any required compliance demonstration;

- b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
- c. each incident of deviation described in "a." (above) where a prompt investigation was not conducted;
- d. each incident of deviation described in "a." where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken;
- e. each incident of deviation described in "a." where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit;
- f. each period of time during which the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated; and
- g. each period of time during which the carbon filter was not in service when the emissions unit was in operation.

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 limitation:

0.00073 lb/hr PE, each truck unloading station

Applicable compliance method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

- b. Emission Limitation;

0% opacity from the stack serving the truck unloading station No. 1, or No. 2 as a six-minute average.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures

specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA

c. Emission Limitation:

No visible fugitive particulate emissions from the building egress points (i.e., windows, doors, roof monitors, etc.) serving this emissions unit.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through visible emission observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 37455-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g) Miscellaneous Requirements

- (1) The permittee shall implement and maintain a preventive maintenance program for the baghouse serving this emissions unit. At a minimum, the program shall include the inspection schedule as outlined in Ohio EPA's Operation and Maintenance Guidelines for Air Pollution Control Equipment.

**10. Emissions Unit Group -T001-T004 Leachate Tank Group: T001,T002,T003,T004,**

EU ID	Operations, Property and/or Equipment Description
T001	Leachate Storage Tank No. 1 - 25,000 gallon fixed roof storage tank w/closed vent and carbon filter.
T002	Leachate Storage Tank No. 2 - 25,000 gallon fixed roof storage tank w/closed vent and carbon filter.
T003	Leachate Storage Tank No. 3 - 25,000 gallon fixed roof storage tank w/closed vent and carbon filter.
T004	Leachate Storage Tank No. 4 - 25,000 gallon fixed roof storage tank w/closed vent and carbon filter.

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)  (PTI 04-00812 modified 10/30/2001)	0.004 ton per year volatile organic compounds (VOC) per tank  See b)(2)a.
b.	OAC rule 3745-21-09(L)	Exempt, see b)(2)b.

- (2) Additional Terms and Conditions
  - a. This emissions unit shall be equipped with carbon filter(s) to control emissions of organic compounds.
  - b. In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
  
- c) Operational Restrictions
  - (1) The permittee shall operate the carbon filter(s) whenever this emissions unit is in operation.
  - (2) The existing carbon shall be replaced with fresh carbon immediately when the carbon breakthrough is indicated.
  
- d) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall maintain daily records that document any time periods when the carbon filter was not in service when the emissions unit was in operation.
  - (2) The permittee shall maintain daily records that document any time periods when the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated.
  - (3) The concentration level of organic compounds in the exhaust vent stream from each carbon filter required by this permit shall be monitored and recorded on a regular schedule. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon filter in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system.
  
- e) Reporting Requirements
  - (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.  
  
The permittee shall identify in the PER forms the following information concerning the following occurrences:
    - a. each period of time during which the existing carbon was not replaced with fresh carbon immediately when the carbon breakthrough was indicated; and

- b. each period of time during which the carbon filter was not in service when the emissions unit was in operation.

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 limitation:

0.004 ton per year VOC per tank

Applicable compliance method:

Compliance will be assured by the monitoring and recordkeeping requirements of Section d) of this permit. Compliance may also be demonstrated through calculations performed in accordance with Section 7.1 of AP-42, 11/06 edition and using a control efficiency of 95% from the carbon filters.

g) Miscellaneous Requirements

- (1) None.