



State of Ohio Environmental Protection Agency

Street Address:

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P.O. Box 1049  
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL  
MERCER COUNTY  
Application No: 03-13492**

**CERTIFIED MAIL**

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

**DATE: 6/26/2001**

Liberty Environmental Storage Facility,  
Wayne Willis  
10978 U.S. Route 50  
North Bend, OH 44601

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

NWDO



Permit To Install  
Terms and Conditions

Issue Date: 6/26/2001  
Effective Date: 6/26/2001

**FINAL PERMIT TO INSTALL 03-13492**

Application Number: 03-13492  
APS Premise Number: 0354000046  
Permit Fee: **\$400**  
Name of Facility: Liberty Environmental Storage Facility,  
Person to Contact: Wayne Willis  
Address: 10978 U.S. Route 50  
North Bend, OH 44601

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**9271 State Route 49**  
**Liberty Township, Ohio**

Description of proposed emissions unit(s):  
**Fugitive dust from construction and demolition debris landfill haul roads, parking areas and cover soil stockpiles.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## **Part I - GENERAL TERMS AND CONDITIONS**

### **A. Permit to Install General Terms and Conditions**

#### **1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

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

#### **3. Records Retention Requirements**

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

#### **4. Inspections and Information Requests**

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

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

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

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

**10. Public Disclosure**

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

**11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and

conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	30.3

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Plant Roadways and Parking Areas	OAC rule 3745-31-05 (A) (3)	4.01 tons fugitive PE/yr  No visible particulate emissions except for 3-minutes during any 60-minute period  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.2.b. through A.2.g.)
	OAC rule 3745-17-08 (A)	See A.2.h.
	OAC rule 3745-17-07 (B)(1)	See A.2.i.

**2. Additional Terms and Conditions**

- 2.a The unpaved roadways/parking areas that are covered by this permit and subject to the above mentioned requirements are a 90,000 square foot roadway/parking area specified as staging area in the PTI application and a 78,600 square foot (1.16 mile) access/haul road.
- 2.b The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c 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 any unpaved roadway or parking area that

is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

- 2.d** 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 using appropriate dust control measures 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 a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such material covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** Liberty Environmental Storage Facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- 2.i** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

**B. Operational Restrictions**

- 1. None.

**C. Monitoring and/or Recordkeeping Requirements**

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

unpaved roadways  
All Applicable

minimum inspection frequency  
Once during each day of operation

unpaved parking areas

minimum inspection frequency

All Applicable

Once during each day of operation

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. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
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.
  - 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 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

#### **D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. Each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation.
  - b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

**E. Testing Requirements**

1. Compliance with the emissions limitations in section A.1. of this permit to install shall be determined in accordance with the following methods:

- a. Emission Limitation: 4.01 tons fugitive PE/yr

Applicable Compliance Method: This emission limitation was developed by applying a 50% control efficiency for dust suppression to a maximum potential uncontrolled emission rate of 8.02 TPY PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.1.3 (10/97). Compliance shall be demonstrated through the monitoring and recordkeeping requirements in Section C of this permit.

- b. Emissions Limitation: No visible particulate emissions except for a period of time not to exceed 3 minutes during any 60-minute observation period.

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

**F. Miscellaneous Requirements**

1. None.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Construction and Demolition Debris (C & DD) Landfill operations including soil excavation, soil excavation truck loading, truck unloading of landfill cover material, truck unloading of construction and demolition debris, compaction and covering of construction and demolition debris, and associated storage piles.	OAC rule 3745-31-05 (A) (3)	26.29 tons fugitive PE/yr  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.2.b. through A.2.h. and sections A.2.n. through A.2.s.)  Visible particulate emissions from the construction and demolition debris landfill operations, excluding facility storage piles, shall not exceed 20 percent opacity as a three-minute average  No visible emissions, from facility storage piles, except for a period of time not to exceed one minute during any 60-minute observation period.
	OAC rule 3745-17-08 (A)	See A.2.s.
	OAC rule 3745-17-07 (B)(1)	See A.2.t

**2. Additional Terms and Conditions**

- 2.a The landfill operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

- i. Soil excavation removal
- ii. Soil excavation truck loading
- iii. Truck unloading of landfill cover material
- iv. Truck unloading of construction and demolition debris
- v. Compaction and covering of construction and demolition debris
- vi. Storage Piles (All)

**2.b** The permittee shall employ best available control measures for the above-identified material handling operation(s) 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 perform the following control measures to ensure compliance:

Material Handling Operation Control Measure

Soil Excavation Removal	Apply sufficient dust suppressant to unpaved roadways to control dust emissions associated with soil excavation.
Soil Excavation Truck Loading	Ensure that all loading of construction and demolition material are loaded in a manner which will minimize the drop height of the soil excavation material. Also see A.2.g.
Truck Unloading of Landfill Cover Material	Ensure unloading of landfill cover material will be unloaded in a manner which will minimize the drop height of the landfill cover material. Also see A.2.e. & A.2.g.
Truck Unloading of Construction and Demolition Debris	Ensure that all unloading of construction and demolition material will be unloaded in a manner which will minimize the drop height. Also see A.2.e. & A.2.g.

<p>Compaction and Covering of Construction and Demolition Debris</p>	<p>Apply sufficient dust suppressant to unpaved roadways to control dust emissions associated with compaction and covering of construction and demolition debris. Also see A.2.f. &amp; A.2.g.</p>
<p>Storage Piles</p>	<p>Treat each storage pile with water and or any other suitable dust suppression as necessary or use of vegetative cover to eliminate or minimize emissions of fugitive dust. Also see A.2.e.</p>

- 2.c** For each landfill operation, 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 measures(s) is unnecessary.
- 2.d** Materials shall be dumped as near to the point of final placement as possible. The permittee shall ensure that all truck loads of construction and demolition and landfill cover material are unloaded in a manner which will minimize the drop height of the C & D material. To minimize handling of the material, spreading and compacting must occur in one operation.
- 2.e** Unvegetated cover material and soil in the waste disposal area must be periodically wetted with water and shall be handled in such a manner as to minimize or eliminate visible particulate emissions of fugitive dust generation.
- 2.f** Any materials to be stored prior to disposal, shall be watered, as necessary, or have a temporary soil cover to minimize fugitive dust emissions. All exposed C& D materials shall be covered with cover material by the end of each week of operation.
- 2.g** The permittee shall ensure that C & D material are deposited, spread and compacted in such a manner as to minimize or prevent visible emissions of fugitive dust. All truckloads of solid waste shall be unloaded in a manner which will minimize the drop height of the C & D materials. Any dusty materials 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.

- 2.h** All vehicles hauling C & D material shall be closed, covered, or tarped coming to or leaving the facility in order to minimize visible emissions of fugitive dust and eliminate load loss.
- 2.i** This facility shall not accept for disposal any NESHAP Regulated Asbestos Containing Material (RACM) as defined in the NESHAP for Asbestos, 40 CFR Part 61, Subpart M, section 141 amended November 20, 1990 or any subsequent revisions. This regulation defines RACM as "(a) Friable asbestos material, (b) Category I nonfriable asbestos containing material that has become friable, (c) Category I nonfriable asbestos containing material that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable asbestos containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart."
- 2.j** In addition, this facility shall not accept for disposal any Category II nonfriable asbestos containing material.
- 2.k** For asbestos materials, this facility shall be limited to accepting Category I nonfriable asbestos containing material that have not or will not be subjected to sanding, grinding, cutting or abrading.
- 2.l** The facility shall ensure that any Category I nonfriable asbestos containing material which has not or will not be subjected to sanding, grinding, cutting, or abrading shall not become friable during processing at the landfill. Any asbestos containing material that is or becomes friable is subject to the NESHAPS regulation cited in additional term and condition A.2.i.
- 2.m** All terms stated in Additional Special Terms and Conditions numbers A.2.i. through A.2.l. are defined as in 40 CFR 61.141 amended November 20, 1990 or any subsequent revisions.
- 2.n** There shall be no open burning in violation of Ohio Administrative code 3745-19 at this facility.
- 2.o** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles 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 load-in and load-out materials with water and/or any other suitable dust suppression chemicals as well as seed stockpiles to provide vegetative cover to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.p** The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that the use of the measure(s) is unnecessary.
- 2.q** Implementation of the above mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- 2.r** Liberty Environmental Storage Facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- 2.s** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

**B. Operational Restrictions**

- 1. The permittee shall be limited to accepting only C & D material as defined in Ohio Revised Code 3714.01 (C) and the permittee shall be limited to accepting no more than 300,000 cubic yards of C & D material per calendar year.

**C. Monitoring and/or Recordkeeping Requirements**

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of landfill operations in accordance with the following frequencies:

<u>Material Handling Operation</u>	<u>Minimum Inspection Frequency</u>
Construction and Demolition Debris (C & DD) Landfill material handling operations including overburden removal, overburden truck loading, truck unloading of landfill cover material, truck unloading of construction and demolition debris, compaction and covering of construction and demolition debris, and storage piles.	Daily

- 2. The above-mentioned inspections shall be performed during representative, normal operating hours.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience

indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain daily records of the following information:
  - a. The date and reason any required inspection was not performed.
  - b. The date of each inspection where it was determined that it was not necessary to implement control measure(s).
  - c. The dates the control measure(s) was (were) implemented.
  - d. On a calendar basis, the total number of days the control measure(s) was (were) implemented.
  - e. The amount of C & D material accepted by the landfill as defined in Ohio Revised Code 3714.01 (C), in cubic yards per day.
  - f. The total annual, year to date, amount of C & D material accepted by the landfill as defined in Ohio Revised Code 3714.01 (C), in cubic yards per year (sum of e for each calendar day to date from January to December).

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

#### **D. Reporting Requirements**

1. The permittee shall submit annual deviation (excursion) reports that identify any exceedances of the annual material C & D acceptance rates, as well as the corrective actions that have been taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report which states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. Each day during which an inspection was not performed by the required frequency.
  - b. Each instance when the control measure, that was to be performed as a result of an inspection, was not implemented.

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

## **E. Testing Requirements**

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

- a. Emission Limitation: 26.29 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from each landfill operation. Each landfill operation emission rate is based on a maximum C & D acceptance rate of 300,000 cubic yards per year and was determined as follows:

- i. Soil extraction - This emission limitation was established by multiplying the maximum annual soil/cover material handled of 544,000 tons/yr by the appropriate emission factor from RACM Table 2.1.4-3 (8.83) [0.004 lb PE/ton] and dividing by 2000 lbs/ton.
- ii. Soil extraction truck loading - This emission limitation was established by multiplying the maximum annual soil/cover material handled of 544,000 tons/yr by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00063 lb PE/ton] and dividing by 2000 lbs/ton.
- iii. Truck unloading of landfill cover material- This emission limitation was established by multiplying the maximum annual soil/cover material handled of 544,000 tons/yr by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00063 lb PE/ton] and dividing by 2000.
- iv. Truck unloading of construction and demolition debris - This emission limitation was established by multiplying the maximum annual C & D acceptance rate of 300,000 cubic yards per year by a density of 1300 lbs/cubic yard of material received by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00063 lb PE/ton] and dividing by 2000.
- v. Compaction and covering of construction and demolition debris - This emission limitation was established by multiplying the maximum vehicle miles traveled per year (70,956 ) by the appropriate emission factor from AP-42 section 13.2.2 (10.97) [1.4 lbs PE/VMT] and dividing by 2000 with an applied 50% watering control efficiency.
- vi. Storage Piles (All) - This emission limitation was established by combining load-in and load out emissions that were established by multiplying the maximum load-in rate and load out rate (16,000 lbs load-in/yr & 16,000 lbs load-out) by the appropriate emission factor from AP-42 section 13.2.4 (1/95) [0.00063 lb PE/ton],

and dividing by 2000 with an applied 90% watering and vegetation control efficiency.

Compliance shall be based on the monitoring and recordkeeping requirements in Section C.4. of the annual C & D material acceptance rate.

- b. Emission Limitation: Visible particulate emissions from the construction and demolition debris landfill material handling operations, excluding facility storage piles, shall not exceed 20 percent opacity as a three-minute average

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible emissions from any storage pile except for one minute in any hour

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), 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.

## **F. Miscellaneous Requirements**

- 1. None.

**NEW SOURCE REVIEW FORM B**

PTI Number:  
03-13492

Facility ID: 0354000046

FACILITY NAME Liberty Environmental Storage Facility,

FACILITY DESCRIPTION Fugitive dust from construction and demolition debris landfill haul roads, parking areas and cover soil stockpiles. CITY/TWP Liberty Township

SIC CODE 4953 SCC CODE 3-05-011-99 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Plant Roadways and Parking Areas

DATE INSTALLED Upon Issuance of PTI

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment		4.01		4.01
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N NESHAP? N PSD? N OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N/A

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS: N/A

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13492

Facility ID: 0354000046

FACILITY NAME Liberty Environmental Storage Facility,

FACILITY DESCRIPTION Fugitive dust from construction and demolition debris landfill haul roads, parking areas and cover soil stockpiles. CITY/TWP Liberty Township

SIC CODE 4953 SCC CODE 3-05-011-99 EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Construction Debris Landfilling Operation with Staging Area

DATE INSTALLED Upon Issuance of PTI

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment		26.29		26.29
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N NESHAP? N PSD? N OFFSET POLICY? N

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

**Enter Determination** Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N/A

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS: N/A