

Facility ID: 0641000149 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0641000149 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Unpaved roads and parking areas	OAC 3745-31-05 (PTI 17-1170)	2.75 TPY PM Visible particulate emission from any unpaved roadway or parking area shall not exceed three minutes during any sixty-minute observation period.
	OAC 3745-17-07(B)	See A.2. Less stringent than the visible particulate emissions limit established per OAC 3745-31-05.
	OAC 3745-17-08(B)	See A.2.

2. Additional Terms and Conditions

- (a) The permittee shall promptly remove, in such a manner as to minimize or prevent re-suspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
 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 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.
 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.
 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.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:
 Unpaved roadways and parking areas: Minimum inspection frequency:
 All roads and parking areas Once per shift
2. The purpose of the inspections is to determine the need for implementing the control measures specified. 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 minimize or eliminate visible emissions of fugitive dust generated by vehicular traffic and to ensure compliance with the above-mentioned visible emission limitations. Any required inspection

that is not performed due to any of the above identified events shall be performed as soon as such events(s) has have ended, except if the next required inspection is within one day.

- 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 minimize or eliminate visible emissions of fugitive dust generated by vehicular traffic and to ensure compliance with the above-mentioned visible emission limitations.
- 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 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 quarterly 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; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

E. Testing Requirements

- 1. Compliance with the PM emissions limit shall be demonstrated by the following calculation:

Multiply the USEPA, AP42, Section 11.2-1.1, emission factor obtained from the formula (5.12 for 18 wheeled trucks, .257 for 10 wheeled trucks and 0.23 for 4 wheeled vehicles) of lbs of PM/vehicle miles traveled by the annual vehicle miles traveled and control efficiency of (1-.90) watering as needed and (1-.30) resurfacing with aggregate and divide by 2000 pounds per ton.
- 2. Compliance with the visible particulate emissions limit shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(3).

F. Miscellaneous Requirements

None

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Part II - Special Terms and Conditions

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- 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.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Fly ash disposal activities	OAC 3745-31-05 (PTI 17-1170)	11.8 TPY PM

Visible particulate emissions from any flyash disposal activity shall not exceed 10% opacity as a six-minute

average.

See A.2.

OAC 3745-17-07(B)

Less stringent than the visible particulate emissions limit established per OAC 3745-31-05.

OAC 3745-17-08(B)

See A.2.c.

2. Additional Terms and Conditions

(a) Authority to Enter

Pursuant to the authority in ORC Section 3704.03(L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

The permittee is not authorized to accept and dispose of asbestos-containing waste materials, construction/demolition debris or any other solid waste other than flyash.

The permittee shall employ reasonably available control measures which include the following:

- i. The permittee shall ensure that all soil, aggregate and flyash is deposited, spread and compacted in a manner to minimize or eliminate visible particulate emissions.
- ii. The permittee shall require all truckloads of flyash, aggregate and soils to be unloaded in a manner to minimize the drop height of the flyash, aggregate and soils.
- iii. The permittee shall water as needed all dusty flyash and soils prior to or during dumping operations in order to minimize or eliminate visible particulate emissions.
- iv. The permittee shall water materials in a manner to avoid pooling of liquids and runoff.
- v. The permittee shall not unload dusty material during periods of high winds unless the material has been adequately treated to minimize or eliminate visible particulate emissions.

The permittee shall not allow open burning in violation of OAC Chapter 3745-19 at this facility.

The permittee shall not dispose of more than 600,000 tons per year of flyash and shall not employ more than 35,000 tons per year of cover soil.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform inspections of the flyash, aggregate and soil unloading, spreading, compacting and covering activities in accordance with the following frequencies:

Once per shift

The purpose of the inspections is to determine the need for implementing the control measures specified. The inspections shall be performed during representative, normal processing conditions. No inspection shall be necessary for flyash, aggregate and soils covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to minimize or eliminate visible particulate emissions generated by unloading, spreading, compacting and covering activities and to ensure compliance with the above-mentioned visible emission limitations. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such events have ended, except if the next required inspection is within one day.

- 2. The permittee shall maintain daily records of the quantities of flyash and soil that have been unloaded, spread and compacted. These daily records shall be compiled to produce monthly and annual totals.

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

The deviation reports shall be submitted within 30 days of the end of the calendar quarter to the appropriate Ohio EPA District office or local air agency.

- 2. The permittee shall submit annual reports of the tons of flyash and soil that were unloaded, spread and compacted.

E. Testing Requirements

- 1. Compliance with the PM emissions limit shall be determined by the following calculation:

Multiply the flyash unloading emission factor (0.00229 lb PM/ton of flyash unloaded) obtained from USEPA publication titled Compilation of Air Pollutant Emission Factors page 11.2.3-3 by the tons of flyash unloaded per year to determine the annual uncontrolled particulate emission. Multiply the uncontrolled particulate emission rate by control efficiency of (1-.90) damp material, (1-.95) using water truck as needed, and divide by two thousand pounds per ton to arrive at the annual actual tons per year. Multiply the emission factor of 10 pounds per ton from Ohio EPA's publication titled Reasonably Available Control Measures by the annual tons per year of flyash and soil spread and compacted. Multiply this result by a control efficiency of (1-.90)damp material, (1-.95) water truck as needed, and (1-.30) slow dumping speed and divide by 2000 pounds per ton. The sum of flyash dumping and spreading and compacting of flyash and soil is compared to the allowable.

- 2. Compliance with the visible particulate emission limit shall be determined in accordance with the procedures and methods specified in OAC rule 3745-17-03(B)(1) and 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None