

Facility ID: 0215000281 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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[Go to Part II for Emissions Unit F002](#)

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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 See F.	0.1 TPY PM
	OAC 3745-17-07(B)(5) See F.	There shall be no visible particulate emissions from any unpaved roadways or parking area, except for a period of time not to exceed 3 minutes during any 60-minute observation period.
	OAC 3745-17-08(B)(2) See F.	See A.2.

**2. Additional Terms and Conditions**

- (a) The permittee shall apply dust suppressants to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. Water shall be used as the dust suppressant, and the following equipment shall be used for the periodic applications: Water Truck. The dust suppressant shall be applied to the unpaved surfaces, on an as needed basis. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times. The permittee shall apply suitable sized aggregate as often as necessary on all roads and parking areas in order to eliminate muddy areas for trucks to travel through in order to minimize or prevent visible emissions of fugitive dust and prevent the depositing of dirt and other debris onto public roads. All roads shall be maintained in a clean condition. The permittee shall pave a section of the roadway of sufficient length and width in order to prevent dirt and other debris from being deposited onto public roads. This paved roadway shall be maintained in a clean condition.

**B. Operational Restrictions**

None

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
  - a. The date dust suppressants were applied to the unpaved surfaces.
  - b. The portions of unpaved surfaces that were treated with dust suppressants.
  - c. The application rate of water and any chemical additives (gallons of each per square yard).
  - d. The name of the equipment operator responsible for the application of the dust suppressants.
  - e. The vehicle types and miles traveled on facility roads.

**D. Reporting Requirements**

1. An annual report of the type and amount of dust suppressant applied, any exceedance of the visible emission limit, why the exceedance occurred, and any corrective action taken, shall be submitted to the Ohio EPA by February 15 of each year.

**E. Testing Requirements**

1. Compliance with the visible particulate emission limitation in A.1. shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(4).
2. Compliance with the PM emission limit in A.1. shall be demonstrated by the use of emission factors found in USEPA's publication titled Compilation of Air Pollutant Emission Factors (AP-42, Unpaved Roads, Table 11.2-1.1) and the following equation:

Emission factor for 12 wheel vehicle - 3 lbs/vehicle mile traveled (vmt).  
 Emission factor for 18 wheel vehicle - 5.97 lbs/vmt.  
 Emission factor for front end loader - 0.89 lb/vmt.  
 Emission factor for dozer - 0.63 lb/vmt.

Multiply the emission factor by the vehicle miles traveled per year = lbs/yr.

Multiply the lbs/yr by 0.80 (water efficiency) and 0.30 (resurfacing efficiency) = lbs/yr (controlled).

Divide the lbs/yr (controlled) by 2000 = TPY.

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emission unit contained in permit to install number 17-923, as issued on August 21, 1991: A-E.

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**Facility ID: 0215000281 Emissions Unit ID: F002 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>
Construction and demolition landfill activities	OAC 3745-31-05	0.55 TPY PM
	OAC 3745-17-07(B)(1)	Visible particulate emissions from the landfill activities shall not exceed 20% opacity, as a 3-minute average.
	OAC 3745-17-08(B)(2)	See A.2.

**2. Additional Terms and Conditions**

- (a) The permittee shall ensure construction and demolition wastes are deposited, spread and compacted in such a manner as to minimize or eliminate visible emissions of fugitive dust. The permittee shall require all truckloads of waste to be unloaded at the unloading zone to minimize the drop height of the wastes. Any dusty material likely to become airborne, shall be watered as necessary prior to or during operations in order to minimize or eliminate visible emissions of fugitive dust. 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. Watering shall be conducted in such a manner as to avoid the pooling of liquids and runoff.  
 The permittee shall require that all vehicles originating off-site and hauling construction and demolition wastes to or from the facility over the public roads shall be closed, covered and tarped to minimize visible emissions of fugitive dust and eliminate load loss. All trucks originating off-site and hauling construction/demolition wastes, etc. to or from the facility which are likely to become airborne shall be tarped.

The permittee shall not permit any open burning anywhere on the property.  
 The permittee shall not accept or dispose of any regulated asbestos-containing material. The receipt of any regulated asbestos-containing material without prior approval of the Ohio EPA is a violation of the NESHAPS for Asbestos and/or the Ohio EPA Permit to Install Rules.  
 The permittee shall not initiate or allow any salvage operation to be conducted at this location except those salvage operations conducted in accordance with OAC rule 3745-400-11(F) and (K).  
 The permittee shall not expand the boundaries of this landfill beyond those described in the Permit to Install application without prior written approval of the Ohio EPA.  
 C&D debris shall be covered in accordance with OAC rule 3745-400-11(H)(1). If necessary, Elk Run shall take all necessary measures to minimize or eliminate visible emissions of fugitive dust, including covering dusty materials more often than required by OAC rule 3745-400-11(H)(1).  
 The permittee shall construct barriers in accordance with OAC rule 3745-400-11(E)(3) and (I).  
 The permittee shall spread and compact construction and demolition waste in accordance with OAC rule 3745-400-11(F)(4)(c).

**B. Operational Restrictions**

None

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain records of the monthly tons of construction/demolition debris disposed, and the tons of monthly cover material used.

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the visible particulate emission limitation in A.1. shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).
2. Compliance with the PM emission limit in A.1. shall be demonstrated by the use of emission factors found in Ohio EPA's publication titled Reasonably Available Control Measures for Fugitive Dust Sources, Page 2-56 and the following equation:

Emission factor for cover material = 0.02 lb/ton  
 Emission factor for C&D dumping = 0.5 lb/ton  
 Emission factor for spreading and compacting = 0.5 lb/ton

Multiply the pounds of material handled per year by the emission factors = lbs/yr (uncontrolled).

Multiply the lbs/yr (uncontrolled) by 0.90 (water efficiency) and by 0.80 (speed reduction efficiency) = lbs/yr (controlled).

Divide the lbs/yr (controlled) by 2000 = TPY (controlled).

**F. Miscellaneous Requirements**

1. None