

Facility ID: 1677100029 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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Facility ID: 1677100029 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 roadway (Road Segment A) and unpaved parking area (Parking Area A)	OAC rule 3745-31-05 See F.1 below.	13 tpy of particulate matter See A.2.a below.
	OAC rule 3745-17-07 See F.1 below.	See A.2.b below.
	OAC rule 3745-17-08 See F.1 below.	See A.2.b below.

2. Additional Terms and Conditions

- (a) There shall be no visible particulate emissions from any unpaved roadway or unpaved parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period. The visible particulate emission limitations required in OAC rule 3745-17-07 and OAC rule 3745-17-08 are less stringent than the visible particulate emission limitations as determined using best available technology.

B. Operational Restrictions

1. The permittee shall apply a dust suppressant to Road Segment A and Parking Area A (both are unpaved surfaces) 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 shall be periodically applied by watering trucks, as necessary, to the unpaved surfaces. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
2. Waste or used oil shall not be used for controlling fugitive dust emissions from the unpaved surfaces at this facility.
3. 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.
4. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
5. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records, which include the following information for Road Segment A and Parking Area A:
 - a. the date water was applied to the unpaved surfaces;
 - b. identification of the portions of unpaved surfaces that were treated with water;
 - c. the application rate of water (gallons per square yard); and
 - d. the name of the equipment operator responsible for the application of water.

D. Reporting Requirements

- 1. None
- E. **Testing Requirements**
 - 1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

13 tpy of particulate matter

Applicable Compliance Method:

To determine total annual particulate emissions, use the following vehicle emission factors:

4-wheel vehicle emission factor: 1.16 pounds of particulate emissions per vehicle mile travelled; and

12-wheel vehicle emission factor: 8.67 pounds of particulate emissions per vehicle mile travelled,

in the following equation:

Total Emissions = [1.16 x (VMT4) + 8.67 x (VMT12)]/2000,

where:

VMT4 is the total-combined vehicle miles travelled per year of all 4-wheel vehicles; and

VMT12 is the total-combined vehicle miles travelled per year of all 12-wheel vehicles.

The above emission factors and equations are based on the procedures in RACM, Section 2.1.1 and AP-42, 5th edition, Sections 13.2.1 and 13.2.2.
Emission Limitation:

no visible particulate emissions

Applicable Compliance Method:

OAC 3745-17-03(B)(4)
- F. **Miscellaneous Requirements**
 - 1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1666, as issued on July 2, 1997: A, B, C, D, and E.

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

Facility ID: 1677100029 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>
Landfill material handling including storage piles	OAC rule 3745-31-05 See F.1 below.	54 tpy of particulate matter See A.2.a below.
	OAC rule 3745-17-07 See F.1 below.	See A.2.b below.
	OAC rule 3745-17-08 See F.1 below.	See A.2.b below.

2. Additional Terms and Conditions

- (a) Fugitive dust emissions shall not exceed 10% opacity as a 3-minute average, except for material storage piles which shall have no visible particulate emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.
The visible particulate emission limitations required by OAC rule 3734-17-07 and OAC rule 3745-17-08 are less stringent than the visible particulate emission limitations as determined using best available technology.

B. Operational Restrictions

1. Construction and demolition (C&D) debris shall be deposited, spread, and compacted in such manner as to minimize or prevent visible emissions of dust.
2. All truckloads of C&D debris and landfill cover material shall be unloaded in a manner which will minimize the drop height of the unloading.
3. Any dusty materials or debris 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.
4. Watering shall be conducted in such a manner as to avoid pooling of liquids and runoff.
5. 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.
6. In addition to the waste materials not included in "construction and demolition debris," as defined in OAC 3745-40-01 (F), "asbestos-containing waste materials," as defined in OAC 3745-20-01 (B)(4) shall not be accepted for disposal by the permittee.
7. There shall be no open burning in violation of OAC chapter 3745-19 at this facility.
8. This facility shall be limited to accepting only C&D debris as defined in Ohio Revised Code 3714.01 (C) and limited to accepting no more than 50,000 tons of C&D debris per calendar year.
9. This facility shall be limited to the use of a maximum 2 acres of landfill area per calendar year for disposing of received C&D material.
10. Based on the assumed density of 1,400 pounds per cubic yard of as-received C&D debris, the facility shall be limited to 71,400 cubic yards of C&D debris per year.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records, which include the volume of C&D debris received per day and per calendar year on an as-received basis, in cubic yards.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual C&D debris disposal limitation, specified in Section B.10 above, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

54 tpy of particulate matter

Applicable Compliance Method:

The above limitation includes contributions of particulate emissions from all the following material handling activities with the corresponding emission factor (EF) listed:

Storage Piles: EF = 0.28 pound of particulates per ton of material stored;

Heavy Earthwork: EF = 1.2 tons of particulates per acre of land exposed to construction per month of construction activity;

Unloading: EF = 0.02 pound of particulates per ton of material unloaded; and

Wind Erosion: EF = 0.019 ton of particulates per acre of exposed barren land per year.

To determine annual particulate emissions from each of the above material handling activities, the following equations shall be used:

Storage Piles
Emissions = $[0.28 \times (\text{tons of material in storage piles per year})]/2000$;

Heavy Earthwork
Emissions = $1.2 \times (\text{acres of land exposed to construction per month of construction activity}) \times 12$;

Unloading
Emissions = $[0.02 \times (\text{tons of material unloaded per year})]/2000$; and

Wind Erosion
Emissions = $0.019 \times (\text{acres of exposed barren land per year})$.

To determine annual total particulate emissions from all material handling activities, sum the annual particulate emissions from all the above material handling emissions equations.

The above emission factors were derived from the procedures in RACM, Sections 2.1.2 - 4.

Emission Limitation:

10% opacity as a three-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(3)

Emission Limitation:

no visible emissions

Applicable Compliance Method:

OAC rule 3745-17-03(B)(4)

F. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1666, as issued on July 2, 1997: A, B, C, D, and E.