

Facility ID: 1677100028 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: 1677100028 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 roadways/parking areas: Haul Road	OAC rule 3745-31-05 (A)(3) (PTI 16-02111)	no visible particulate emissions except for 3 minutes during any 60-minute period 7.45 tons/year of particulate matter best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.f)
	OAC rule 3745-17-07 (B)(5)	less stringent than the above-mentioned visible emission limitation
	OAC rule 3745-17-08 (B)(2)	less stringent than the above-mentioned control measure requirements
paved roadways/parking areas: Entrance Road	OAC rule 3745-31-05 (A)(3) (PTI 16-02111)	no visible particulate emissions except for one minute during any 60-minute period 0.63 ton/year of particulate matter best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.f)
	OAC rule 3745-17-07 (B)(4)	less stringent than the above-mentioned visible emission limitation
	OAC rule 3745-17-08 (B)(8), (B)(9)	less stringent than the above-mentioned control measure requirements

2. Additional Terms and Conditions

- (a) The permittee shall employ best available control measures on all 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 roadways and parking areas with ample water 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 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. 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.
 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.
 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.
 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.

B. Operational Restrictions

1. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
2. Waste or used oil shall not be used for controlling fugitive dust emissions from any roadways/parking areas at this facility.

C. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the paved and unpaved roadways and parking areas in accordance with the following frequencies:
 - unpaved roadways/parking areas minimum inspection frequency
 - Haul Road daily
 - paved roadways/parking areas minimum inspection frequency
 - Entrance Road 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. 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; 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.
5. The permittee shall maintain the following yearly records:
 - a. the total yearly vehicle miles traveled (VMT) on unpaved roadways and parking areas for 12-tire vehicles;
 - b. the total yearly VMT on unpaved roadways and parking areas for 4-tire vehicles;
 - c. the total yearly VMT on paved roadways and parking areas for 12-tire vehicles; and
 - d. the total yearly VMT on paved roadways and parking areas for 4-tire vehicles.

D. Reporting Requirements

1. The permittee shall submit annual 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.
2. The above deviation reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 of each year, in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the visible particulate emission limitations for paved and 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.

2. Compliance with the mass particulate emission limitation for the unpaved roadways and parking areas identified above shall be based on the record keeping requirements of section C.5 of these special terms and conditions and the following emission equation:

$$E = [(EF4)(VMT4) + (EF12)(VMT12)](1 \text{ ton}/2000 \text{ pounds}),$$

where:

E = total yearly mass particulate emissions from unpaved roadways and parking areas, in tons/year;
 EF4 = emission factor for 4-tire vehicles on unpaved roadways and parking areas, in pounds of particulates/vehicle mile traveled;
 EF12 = emission factor for 12-tire vehicles on unpaved roadways and parking areas, in pounds of particulates/vehicle mile traveled;
 VMT4 = total yearly vehicle miles traveled by 4-tire vehicles on unpaved roadways and parking areas; and
 VMT12 = total yearly vehicle miles traveled by 12-tire vehicles on unpaved roadways and parking areas.

Per application data, the mass particulate emissions limitation of 7.45 tons/year for the unpaved roadways and parking areas identified above was established using the above emission equation with the following assignments:

EF4 = 1.16 pounds of particulates/vehicle mile traveled for 4-tire vehicles on unpaved roadways and parking areas;
 EF12 = 1.73 pounds of particulates/vehicle mile traveled for 12-tire vehicles on unpaved roadways and parking areas;
 VMT4 = 1245 total yearly 4-tire vehicles miles traveled on unpaved roadways and parking areas; and
 VMT12 = 7770 total yearly 12-tire vehicles miles traveled on unpaved roadways and parking areas.

The above emission factors were developed by the Akron Regional Air Quality Management District.

3. Compliance with the mass particulate emission limitation for the paved roadways and parking areas identified above shall be based on the record keeping requirements of section C.5 of these special terms and conditions and the following emission equation:

$$E = (EF)(VMT)(1 \text{ ton}/2000 \text{ pounds}),$$

where:

E = total yearly mass particulate emissions from paved roadways and parking areas, in tons/year;
 EF = averaged emission factor for 4-tire and 12-tire vehicles on paved roadways and parking areas, in pounds of particulates/vehicle mile traveled; and
 VMT = total combined yearly vehicle miles traveled by 4-tire vehicles and 12-tire on paved roadways and parking areas.

Per application data, the mass particulate emissions limitation of 0.63 ton/year for the paved roadways and parking areas identified above was established using the above emission equation with the following assignments:

EF = 0.35 pounds of particulates/vehicle mile traveled on paved roadways and parking areas; and
 VMT = 3535 total yearly miles traveled on paved roadways and parking areas.

The above emission factor was developed by the permittee.

F. Miscellaneous Requirements

1. PTI 16-02111 supersedes all the requirements of PTI 16-1619 as final issued December 18, 1996.

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Facility ID: 1677100028 Emissions Unit ID: F002 Issuance type: Final State Permit To Operate

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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>
material handling, using construction & demolition (C&D) debris haul trucks, cover material trucks; end loaders, bulldozers, pans, etc.	OAC rule 3745-31-05 (A)(3) (PTI 16-02111)	Fugitive dust emissions shall not exceed ten percent opacity as a three-minute average, except for material storage piles which shall have no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.
	OAC rule 3745-17-07 (B)(1)	The total particulate emissions from all material handling systems shall not exceed 60.5 tons per year.
	OAC rule 3745-17-08 (B)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d) less stringent than, or equal in stringency to, the above-mentioned visible emission limitation less stringent than, or equal in stringency to, the above-mentioned control measure requirements

2. Additional Terms and Conditions

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

load in/out; storage piles; heavy earthwork; and wind erosion.
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 treat each applicable above-mentioned material handling operation with water to ensure compliance. Watering shall be conducted in such a manner as to avoid pooling of liquids and runoff. Below are additional control measures the permittee shall practice to reduce or eliminate emissions of fugitive dust:

- i. C&D debris shall be deposited, spread, and compacted in such manner as to minimize or prevent visible emissions of dust;
- ii. all equipment carrying C&D debris and landfill cover material shall be unloaded in a manner which will minimize the drop height of the unloading;
- iii. 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; and
- iv. no dusty material shall be transferred during periods of high wind, unless the material has been treated to prevent fugitive dust emissions from becoming airborne.

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

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. 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 rules 3745-17-08 and 3745-31-05.

B. Operational Restrictions

- 1. 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.
- 2. There shall be no open burning in violation of OAC chapter 3745-19 at this facility.
- 3. 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 250,000 tons of C&D debris per calendar year.
- 4. Based on the assumed density of 1,000 pounds per cubic yard of as-received material, the facility shall be limited to 500,000 cubic yards of C&D debris per year.
- 5. This facility shall be limited to the use of a maximum 3.75 acres of landfill per calendar year for disposing of received C&D debris.

C. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

- material handling operation(s) minimum inspection frequency
- load in/out; storage piles; heavy earthwork; and daily

wind erosion

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
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;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

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 after the end of each calendar quarter.
5. 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 deviation (excursion) reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The permittee shall submit annual deviation (excursion) reports which identify each calendar year during which the volume of C&D debris accepted exceeded 500,000 cubic yards on an as-received basis.
3. The above deviation reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 of each year, in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period 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.
2. Compliance with ten percent opacity as a three-minute average for fugitive dust emissions 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.
3. Compliance with the 60.5 tons/year of total particulate emissions from all material handling systems shall be determined in accordance with the following method:

The following material handling activities with the corresponding emission factor (EF) are 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.

F. Miscellaneous Requirements

1. PTI 16-02111 supersedes all the requirements of PTI 16-1619 as final issued December 18, 1996.