

Facility ID: 1652000050 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.

- [Go to Part II for Emissions Unit F001](#)
- [Go to Part II for Emissions Unit F002](#)
- [Go to Part II for Emissions Unit F003](#)

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Facility ID: 1652000050 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>
Roadways and parking areas	PTI #16-1514	0.89 lb/hr of particulate matter 0.61 tpy of particulate matter See Section B below.
	OAC 3745-17-07	
	OAC 3745-17-08	

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 1 minute during any 60-minute observation period
2. There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period
3. The permittee shall sweep the paved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The following equipment shall be used to sweep the roadways and parking areas: broom sweeper. The paved surfaces shall be swept, at a minimum, every week. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
4. 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 sprinkling system with a recovery tank. The dust suppressant shall be applied to the unpaved surfaces, as needed to comply with the allowable particulate matter emission rate. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
5. 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.
6. A maximum speed limit of 5 miles per hour shall be posted and enforced on all unpaved roads and parking areas on the property.
7. 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 the paved roadways and parking areas:
 - a. the date the paved surfaces were swept;

- b. the portions of the paved surfaces that were swept; and
 - c. the name of the equipment operator responsible for the sweeping.
2. 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); and
 - d. the name of the equipment operator responsible for the application of the dust suppressants.

D. Reporting Requirements

1. None

E. Testing Requirements

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

Emission Limitation:

0.89 lb/hr of particulate matter

Applicable Compliance Method:

Particulate Emissions = Paved Roadways + Unpaved Roadways

i. Paved Roadways

Multiply the particulate emission factor of 0.00 pounds per VMT by the maximum miles traveled.

ii. Unpaved Roadways

Multiply the particulate emission factor of 1.2716 pounds per VMT by the maximum miles traveled.

The emission factors were developed by the Akron RAQMD.

Emission Limitation:

0.61 tpy of particulate matter

Applicable Compliance Method:

Particulate Emissions = [Paved Roadways + Unpaved Roadways]/2000

i. Paved Roadways

Multiply the particulate emission factor of 0.00 pounds per VMT by the maximum miles traveled.

ii. Unpaved Roadways

Multiply the particulate emission factor of 1.2716 pounds per VMT by the maximum miles traveled.

The emission factors were developed by the Akron RAQMD.

Emission Limitation:

no visible particulate emissions

Applicable Compliance Method:

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

F. Miscellaneous Requirements

1. None

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Facility ID: 1652000050 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 storage piles	PTI #16-1514	0.06 lb/ton of material processed 8.59 tpy of particulate matter See Section B.2 below.
	OAC 3745-17-07 OAC 3745-17-08	

2. Additional Terms and Conditions

(a) None

B. Operational Restrictions

1. The permittee shall employ Best Available Technology to control particulate emissions from the material storage piles. Control measures shall include, but not be limited to, the following:
 - a. minimize drop heights;
 - b. watering; and
 - c. low storage pile heights.
2. For material storage piles, there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

E. Testing Requirements

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

0.06 lb/ton of material processed

Applicable Compliance Method:

Emissions = Loading Out + Loading onto Piles (for processing)
 - i. Loading Out:
The particulate emission factor from RACM, Table 2.18-2 for loading out is 0.0029 pounds per ton of material loaded.
 - ii. Loading onto Piles
The particulate emission factor from RACM, Table 2.18-2 for loading onto piles is 0.0014 pounds per ton of material loaded.
Emission Limitation:

8.59 tpy of particulate matter

Applicable Compliance Method:

Particulate Emissions = Loading onto Piles + Loading Out + Wind Erosion + Vehicular Traffic
 - i. Loading onto Piles
Multiply the particulate emission factor of 0.0014 lb/ton by the maximum amount of material loaded.
 - ii. Loading Out
Multiply the particulate emission factor of 0.0029 lb/ton by the maximum amount of material loaded.
 - iii. Wind Erosion
Multiply the particulate emission factor of 0.093 lb/ton by the maximum amount of material stored.
 - iv. Vehicular Traffic
Multiply the particulate emission factor of 0.032 lb/ton by the maximum amount of material stored.

The emission factors were obtained from RACM, Table 2.18-2.
Emission Limitation:

no visible particulate emissions

Applicable Compliance Method:

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

F. Miscellaneous Requirements

1. None

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Facility ID: 1652000050 Emissions Unit ID: F003 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>
Primary concrete crusher	PTI #16-1514 OAC 3745-17-07 OAC 3745-17-08	0.54 lb/ton of material processed 74.25 tpy of particulate matter See Section B below.

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The permittee shall employ Best Available Technology to control particulate emissions from the concrete crusher. Control measures shall include, but not be limited to, the following:
 - a. minimize drop heights; and
 - b. watering.

For the concrete crusher, visible particulate emissions shall not exceed 10 percent opacity as a three-minute average.
2. The permittee shall employ Best Available Technology to control particulate emissions from screening and conveying operations. Control measures shall include, but not be limited to, the following:
 - a. minimize drop heights; and
 - b. watering.

For the screening and conveying, visible particulate emissions shall not exceed 10 percent opacity as a three-minute average.
3. The maximum annual production rate for this emissions unit shall not exceed 275,000 tons of crushed concrete, based upon a rolling, 12-month summation of the production rates.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the production levels specified in the following table:

Month Maximum Allowable Cumulative Production

- 1 22,916 tons
- 1-2 45,833 tons
- 1-3 68,750 tons

- 1-4 91,666 tons
- 1-5 114,583 tons
- 1-6 137,500 tons
- 1-7 160,416 tons
- 1-8 183,333 tons
- 1-9 206,250 tons
- 1-10 229,166 tons
- 1-11 252,083 tons
- 1-12 275,000 tons

After the first 12 calendar months of operation, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the production rate for each month; and
 - b. beginning after the first 12 calendar months of operation, the rolling, 12-month summation of the production rates.

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative production rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative production levels.

E. Testing Requirements

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

Emission Limitation:

0.54 lb/ton of material processed

Applicable Compliance Method:

Emissions = Primary Crushing + Unloading Trucks

i. Primary Crushing

The particulate emission factor from RACM, Table 2.18-1 is 0.5 pound of particulate per ton of material crushed.

ii. Unloading Trucks

The particulate emission factor from RACM, Table 2.18-1 is 0.04 pound of particulate per ton of material unloaded.

Emission Limitation:

74.25 TPY of particulate matter

Applicable Compliance Method:

Emissions = Primary Crushing + Unloading Trucks

i. Primary Crushing

Multiply the particulate emission factor of 0.5 lb/ton by the maximum amount of material crushed per year, in tons.

ii. Unloading Trucks

Multiply the particulate emission factor of 0.04 lb/ton by the maximum amount of material unloaded per year, in tons.

The emission factors were obtained from RACM, Table 2.18-1.

Emission Limitation:

10 percent opacity as a three-minute average

Applicable Compliance Method:

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

F. Miscellaneous Requirements

1. None