

Facility ID: 0215000314 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: 0215000314 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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	PTI 17-1457	0.14 TPY PM
		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.
		See T&C B.1,2,3,& 4.
	3745-17-07(B)(5)	Less stringent than PTI
	3745-17-08(B)	Less stringent than PTI

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

B. Operational Restrictions

1. 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.
2. 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.
3. A maximum speed limit of 15 miles per hour shall be posted and enforced on the property
4. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. The permittee shall submit an annual report to the Director (district office or local air agency) which identifies any exceedance of the PM emission limit and /or particulate visible emission limit identified in section A.1. of these T&C. The report shall identify why the exceedance occurred and any corrective action taken to achieve compliance. This report shall be submitted by February 15 of each year.

E. Testing Requirements

1. Compliance with the visible particulate emission limitation in the Permit to Install 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 section A.1. of these T&C shall be determined in accordance with the

following method: From US EPA publication title Compilation of Air Pollutant Emission Factors AP 42 page 11.2-1.1 the emission factors of 0.34 lb/Vehicle Mile Traveled (VMT) for 4 wheeled vehicles and 2.24 lb/VMT for 10 wheeled vehicles is determined. The annual VMT for each vehicle is multiplied by the proper emission factor to produce the pounds per year uncontrolled PM. The pounds per year are totaled and multiplied by the control efficiency factors of (1-.5), watering and (1-.3), resurface with aggregate to determine the actual controlled PM. The controlled PM is divided by 2000 to produce tons per year of actual PM emissions.

F. Miscellaneous Requirements

- 1. None

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

Facility ID: 0215000314 Emissions Unit ID: F002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
SAND AND AGGREGATE STORAGE PILES	PTI 17-1457	2.37 TPY PM No visible particulate emission except for a period of time not to exceed 1-minute during any 60-minute observation period.
	3745-17-07(B)(6)	See T&C B.1. and B.2. Less stringent than PTI
	3745-17-08(B)	Less stringent than PTI

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

B. Operational Restrictions

- 1. All storage piles shall contain sufficient moisture to minimize or eliminate visible emissions caused by wind erosion.
- 2. During the loading onto or removal from the storage piles, the drop height of the front end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust.

C. Monitoring and/or Record Keeping Requirements

- 1. None

D. Reporting Requirements

- 1. The permittee shall submit an annual report to the Director (district office or local air agency) which identifies any exceedance of the PM emission limit and /or particulate visible emission limit identified in section A.1. of these T&C. The report shall identify why the exceedance occurred and any corrective action taken to achieve compliance. This report shall be submitted by February 15 of each year.

E. Testing Requirements

- 1. Compliance with the visible particulate emission limitation in the Permit to Install 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 section A.1. of these T&C shall be determined in accordance with the following method: From Ohio EPA's publication titled Reasonably Available Control Measures for Fugitive Dust Sources page 2-378 the total emission factor is found to be 0.4735 pound of PM per ton of material stored. Multiply the annual tons of material stored by the emission factor to determine the annual uncontrolled PM emission rate in pounds per year. Multiply the annual pounds per year by the control efficiency factors of (1-.8) wetted material, and (1-.5) good operating practices to determine the annual actual PM pounds per year. The

annual actual pounds per year is divided by 2000 to determine the actual tons per year.

F. Miscellaneous Requirements

- 1. None

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

Facility ID: 0215000314 Emissions Unit ID: F003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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 OF SAND AND GRAVEL	PTI # 17-1457	2.55 TPY PM
		Visible particulate emissions shall not exceed 10% opacity except at the crusher (15%) as a 6-minute average.
		See T&C B.1. and 2.
	40 CFR, Part 60, Subpart 000	Less stringent than PTI
	3745-17-07(B)(1)	Less stringent than PTI
	3745-17-08(B)	Less stringent than PTI

2. Additional Terms and Conditions

None

B. Operational Restrictions

- 1. The sand and aggregate shall have sufficient moisture content to minimize or eliminate fugitive particulate emissions for all unloading, loading, conveying, transferring and sizing activities.
- 2. The permittee shall employ good operating practices of reducing all material free fall distances to the maximum extent possible with good engineering design and operator training.

C. Monitoring and/or Record Keeping Requirements

- 1. None

D. Reporting Requirements

- 1. The permittee shall submit an annual report to the Director (district office or local air agency) which identifies any exceedance of the PM emission limit and /or particulate visible emission limit identified in section A.1. of these T&C. The report shall identify why the exceedance occurred and any corrective action taken to achieve compliance. This report shall be submitted by February 15 of each year.

E. Testing Requirements

- 1. Compliance with the visible particulate emission limitation in the Permit to Install 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 section A.1. of these T&C shall be determined in accordance with the following method: From Ohio EPA's publication titled Reasonably Available Control Measures for Fugitive Dust Sources page 2-378 the emission factors are: Crushing and screening 0.1 lb/t, screen and conveying 0.3 lb/t, loading 0.02 lb/t, unloading 0.02 lb/t. The uncontrolled PM is determined by multiplying the material throughput by the appropriate emission factor. The controlled actual pounds per year PM is determined by multiplying the uncontrolled PM by the appropriate control efficiency factors: crush and screen - (1-.7) watering, (1-.5) good operating practices; screen and crush - (1-.8) watering, (1-.5) good operating practices; loading - (1-.7) watering, (1-.5) good operating practices; unloading - (1-.7) watering, (1-.5) good operating practices. The actual controlled pounds per year PM is totalled and divided by 2000 to determine the actual tons per year.

F. Miscellaneous Requirements

1. None