

Facility ID: 1431073530 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.

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

Facility ID: 1431073530 Emissions Unit ID: F003 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>
F003 - Material processing and handling	OAC rule 3745-31-05(A)(3) (PTI 14-3696)	Particulate emissions (PE) shall not exceed 0.75 pound per hour and 3.3 ton per year. Particulate matter emissions less than 10 microns in diameter (PM10) shall not exceed 0.23 pound per hour and 1.0 ton per year. The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart OOO and OAC rule 3745-17-08(B). See terms A.2.a, A.2.b and A.2.c. The emission limitation(s)/opacity restrictions established by this rule is less stringent than those established by Ohio Administrative Code rule 3745-31-05(A)(3). See terms B.1 and B.2.
	40 CFR, Part 60, Subpart OOO OAC rule 3745-17-07(B)(1)	
	OAC rule 3745-17-08(B)	

2. Additional Terms and Conditions

- (a) Fugitive particulate emissions from any transfer point on belt conveyors and from any other emissions point including screening equipment, (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672. Fugitive particulate emissions from any crusher shall not exceed 15 percent opacity. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable. The hourly and annual emission limitations outlined in section A.1 are based upon the emission unit's potential to emit, therefore no hourly or annual records are required to demonstrate compliance with these limitations.

B. Operational Restrictions

1. Aggregate concrete product that is handled and loaded onto trucks shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust, and the loading drop height shall not exceed 15 feet.
2. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified in term A.2.a.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in

accordance with the following methods:

Emission Limitations:

Particulate Emissions (PE) shall not exceed 0.75 pound per hour and 3.3 tons per year.

Applicable Compliance Method:

The particulate emission limitations were calculated using the following equations in PTI 14-3696 issued February 23, 1995:

PE = PE emissions from conveying + PE emissions from crushing and screening.

Conveying PE = 75 tons material/hour x 0.0034 pound of PE/ton material x (1-.70) = 0.07 pound of PE/hour.

Crushing and Screening PE = 150 tons material/hour x 0.018 pound of PE/ton material x (1-.75) = 0.675 pound of PE/hour.

0.07 pound of PE/hour + 0.68 pound of PE/hour = 0.75 pound of PE/hour.

0.75 pound of PE/hour x 8760 hours/year x ton/2000 pound = 3.3 tons/year.

If required for the lb/hr limit, emissions testing shall be performed pursuant to Methods 1-5 of 40 CFR, Part 60, Appendix A.

Emission Limitation:

Particulate matter less than 10 microns in diameter (PM10) limitations were calculated using the following equations in PTI 14-3696 issued February 23, 1995:

Applicable Compliance Method:

PM10 = PM10 emissions from conveying + PM10 emissions from crushing and screening.

Conveying PM10 = 75 tons material/hour x 0.0002 pound of PM10/ton material x (1-.70) = 0.0045 pound of PM10/hour.

Crushing and Screening PM10E = 150 tons material/hour x 0.006 pound of PM10/ton material x (1-.75) = 0.225 pound of PM10/hour.

0.0045 pound of PM10/hour + 0.225 pound of PM10/hour = 0.23 pound of PM10/hour.

0.23 pound of PM10/hour x 8760 hours/year x ton/2000 pound = 1 ton/year.

The emission limitations were based upon emission factors from AP-42 "Compilation of Air Pollution Emission Factors", third edition, Section 8.19, 9/88 for construction aggregate processing.

2. Emission Limitation:

Fugitive particulate emissions from any transfer point on belt conveyors and from any other emissions point including screening equipment, (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

3. Fugitive particulate emissions from any crusher shall not exceed 15 percent opacity.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

F. **Miscellaneous Requirements**

1. None