

Facility ID: 1483000299 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: 1483000299 Emissions Unit ID: F003 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>
F003 - 250 ton per hour sand and aggregate processing plant with water sprays	OAC rule 3745-31-05(A)(3) (PTI 14-1606)  40 CFR Part 60, Subpart OOO OAC rule 3745-17-08   OAC rule 3745-17-07	Particulate emissions shall not exceed 40.12 TPY.  See term and condition A.2.a and Section B.1. See terms and conditions A.2.b through A.2.e. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08 (B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1). This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

**2. Additional Terms and Conditions**

- (a) All conveyed and transferred material shall be maintained in a moist condition to minimize or eliminate fugitive particulate emissions.  
Fugitive particulate emissions from any transfer point on belt conveyors and from any other emissions point (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.  
Fugitive particulate emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin shall not exceed 0 percent opacity.  
Fugitive particulate emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line shall not exceed 0 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 annual emission limitation(s) outlined is based upon the emissions unit's Potential to Emit (PTE). Therefore, no annual records are required to demonstrate compliance with this limitation.

**B. Operational Restrictions**

1. Water sprays shall be operated at points necessary to ensure compliance with the visible particulate emission limitations specified in terms A.2.b, A.2.c, A.2.d, and A.2.e of these terms and conditions for crushing, transfer points, screening and conveying operations.

**C. Monitoring and/or Record Keeping Requirements**

1. None

**D. Reporting Requirements**

1. A screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to 40 CFR 60.672(h) and subsequently processes unsaturated material shall submit a report of this change within 30 days following such change to the Hamilton County Department of Environmental Services. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11 and 60.675. A screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in 40 CFR 60.672(h).

**E. Testing Requirements**

1. Compliance with the visible particulate emission limitations as outlined in 40 CFR Part 60, Subpart OOO shall be demonstrated by Method 9 of 40 CFR Part 60, Appendix A.
2. Compliance with the requirements specified in Section A.I of these terms and conditions shall be determined in accordance with the following method:

## Emission Limitation:

Particulate emissions shall not exceed 40.12 tons per year.

## Applicable Compliance Method:

The particulate emission limitation was calculated using the following equation:

$$(A \times B \times C \times 8760 \text{ hours/year} \times \text{ton}/2000 \text{ pounds}) + (D \times E \times F \times 8760 \text{ hours/year} \times \text{ton}/2000 \text{ pounds}) + (G \times H \times I \times 8760 \text{ hours/year} \times \text{ton}/2000 \text{ pounds})$$

A = Maximum Hourly Primary Crushing Rate - 400 tons/hour

B = 0.018 lb/ton (AP-42 Emission Factor - Table 8.19.1.1 dated 9/91)

C = 50% Control Efficiency for Wet Material

D = Maximum Hourly Secondary Crushing Rate - 150 tons/hour

E = 0.018 lb/ton (AP-42 Emission Factor - Table 8.19.1.1 dated 9/91)

F = 50% Control Efficiency for Wet Material

G = Maximum Hourly Handling Rate - 150 tons/hour

H = 0.056 lb/ton (AP-42 Emission Factor - Table 8.19.1.1 dated 9/91)

I = 50% Control Efficiency for Wet Material

**F. Miscellaneous Requirements**

1. None