

Facility ID: 1431113998 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: 1431113998 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-aggregate processing	OAC rule 3745-31-05(A)(3) 14-04513	Particulate Emissions (PE) from crushing, screening, conveying and material handling shall not exceed 20.87 lbs/hr and 15.65 tons/yr.  Particulate matter emissions 10 microns and less in diameter (PM10) from crushing, screening, conveying and material handling shall not exceed 10.44 lbs/hr and 7.83 tons/yr.  See section B.1.  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.  See terms A.2.b through A.2.h.
	40 CFR Part 60, Subpart OOO OAC rule 3745-17-07(B)	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.
	OAC rule 3745-17-08(B)	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).

**2. Additional Terms and Conditions**

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the wet suppression, opacity limitations, emissions limitations and an annual production limitation. 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% opacity, except as provided by rule 40 CFR 60.672. Fugitive particulate emissions from any crusher shall not exceed 15% 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% 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% opacity. Aggregate product 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.

The hourly emission limitations outlined in section A.1 are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits. 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.

**B. Operational Restrictions**

1. The maximum hourly and annual aggregate material production rate for emissions unit F003 shall not exceed 400 tons per hour and 600,000 tons per year.

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

1. The permittee shall maintain monthly records of the amount of aggregate material produced in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit annual reports to Hamilton County Department of Environmental Services that identify any exceedances of the annual sand and gravel production limitation as well as the corrective actions that were taken to achieve compliance. If no exceedances occurred, then the permittee shall state so in the report. These reports shall be submitted by January 31 of each year.
2. 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% 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).
3. The permittee shall submit annual reports to Hamilton County Department of Environmental Services which specify the total particulate emissions from this emissions unit for the previous calendar year.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

**Emission Limitation:**

Particulate Emissions (PE) from crushing, screening, conveying and material handling shall not exceed 20.87 lbs/hr and 15.65 tons/yr.

Particulate matter emissions 10 microns and less in diameter (PM10) from crushing, screening, conveying and material handling shall not exceed 10.44 lbs/hr and 7.83 tons/yr.

**Applicable Compliance Method:**

Compliance with the annual emission limitations shall be demonstrated by using the controlled emission factors in AP-42 Chapter 11.19.2 (revised 8/04) for crushers, screens and conveyors and production data from the facility. Emissions for material handling shall be demonstrated by using the controlled emission factors in AP-42 Chapter 13.2.4. Provided compliance is shown with the annual throughput limitation, compliance with the ton per year PM10 and PE limitations will be ensured.

2. Compliance with the production limitation in section B.1 shall be determined by the recordkeeping in section C.1.
3. **Emission Limitation:**  
The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.  
**Applicable Compliance Method:**  
Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO.
4. **Emission Limitation:**  
The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen, where the material is not saturated, any fugitive emissions which exhibit greater than 10% opacity.  
**Applicable Compliance Method:**  
Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO.
5. **Emission Limitation:**  
The permittee shall not discharge any visible particulate emissions into the atmosphere from any wet screening operations and subsequent operations, and any screening operations, bucket elevators, and belt conveyors in the production line downstream of wet operations.  
**Applicable Compliance Method:**  
Compliance 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

1. None