

Facility ID: 1483130385 Issuance type: Final State Permit To Operate

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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: 1483130385 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>
F001-500 TPH portable sand and aggregate processing plant	OAC rule 3745-31-05(A)(3) PTI 14-04171	Particulate Emissions (PE) shall not exceed 3.65 lbs/hr and 16.0 TPY.  Particulate Emissions 10 microns and less in diameter (PM10) shall not exceed 1.94 lb/hr and 8.4 TPY.  See term A.2.a and sections B.1 and B.2.
	40 CFR Part 60 Subpart OOO OAC rule 3745-17-07(B)(1)	The requirements of this rule also include compliance with the requirements of 40 CFR 60 Subpart OOO. See terms A.2.d, A.2.e, A.2.f and A.2.g. The emissions limitation specified by this rule is less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3) through 40 CFR 60 Subpart OOO.
	OAC rule 3745-17-08(B)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See term and condition A.2.a.

**2. Additional Terms and Conditions**

- (a) The aggregate product loaded onto trucks shall have a moisture content sufficient to minimize emissions of fugitive dust.  
The hourly and annual emissions limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by maintaining the sand and aggregate in a moist condition, the use of water sprays at screens, minimizing the drop height of front end loaders to 15 feet or less and compliance with the visible emissions limitations.  
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.

**B. Operational Restrictions**

1. The permittee shall employ water sprays at the screens and wherever necessary to ensure compliance with the

visible particulate emission limitations specified in A.1. above.

2. The permittee shall minimize the drop height of front-end loaders at the aggregate processing area and at the product loading area to fifteen (15) feet or less.

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

1. The permittee shall maintain monthly records of the total amount of aggregate processed, in tons and the total hours of operation.

**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 limitation 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 limitation in 40 CFR 60.672(h).
2. The permittee shall notify Hamilton County Department of Environmental Services in writing prior to the replacement of any existing aggregate processing and material handling equipment of equal or smaller size subject to the requirements of 40 CFR Part 60.670(d). The notification shall include the equipment-specific design and capacity information required in 60.676(a).

**E. Testing Requirements**

1. Emissions Limitations:

Particulate Emissions (PE) shall not exceed 3.65 lbs/hr and 16.0 TPY.

Particulate Emissions 10 microns and less in diameter (PM10) shall not exceed 1.94 lb/hr and 8.4 TPY.

Applicable Compliance Method:

Compliance with the fugitive PE and PM10 emissions limitation shall be demonstrated by calculations using the emission factors from US EPA AP-42 Fifth Edition, Table 11.19.2-2, dated 8/2004, the permittee-supplied plant configuration and the aggregate processing records. Should further updates in AP-42 occur, the most current equations for aggregate processing shall be used.

2. Emissions Limitations:

Opacity limitations for fugitive visible particle emissions pursuant to 40 CFR Part 60, Subpart OOO (see terms and conditions in Section A.2.d through A.2.g).

Applicable Compliance Method:

Compliance with the opacity limits as specified in term A.2.d through A.2.g of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

**F. Miscellaneous Requirements**

1. None