

Facility ID: 1409950970 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: 1409950970 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>
F001-400 TPH Portable Crusher and Screen - Crushing, Screening, Conveyor transfer point, Truck unloading and Truck loading	OAC rule 3745-31-05(A)(3) (PTI 14-05707)	From crushing, Particulate emissions (PE) shall not exceed 0.48 lb/hr and 2.1 TPY PM; and Particulate matter 10 microns and less (PM-10) emissions shall not exceed 0.22 lb/hr and 0.96 TPY.
		From screening, PE shall not exceed 0.88 lb/hr and 3.85 TPY PM; and PM10 emissions shall not exceed 0.3 lb/hr and 1.3 TPY.
		From conveying, Particulate emissions shall not exceed 0.06 lb/hr and 0.25 TPY PM; and PM10 emissions shall not exceed 0.002 lb/hr and 0.01 TPY.
		From truck unloading, PE shall not exceed 0.001 lb/hr and 0.006 TPY PM; and PM10 emissions shall not exceed 0.001 lb/hr and 0.003 TPY.
		From truck loading, PE shall not exceed 0.08 lb/hr and 0.35 TPY PM; and PM10 emissions shall not exceed 0.04 lb/hr and 0.18 TPY. See term A.2.a.
	40 CFR Part 60, Subpart OOO OAC rule 3745-17-07(B)(1) OAC rule 3745-17-08(B)	The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO and OAC rule 3745-17-07(B)(1). See terms A.2.c through A.2.f. See term A.2.b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The aggregate or material loaded into bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyor and transfer point to bins. Unless otherwise specified, fugitive visible particulate emissions from any operation associated with emissions unit F001 shall not exceed twenty percent opacity as a three-minute average. 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.

The hourly and annual emissions limitations are based upon the emissions unit's Potential to Emit. Therefore, no hourly and annual 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.

Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of water sprays, and compliance with the opacity limitations and emissions limitations.

B. Operational Restrictions

1. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified in terms A.2.b and A.2.c for crushing and screening operations.
2. Aggregate product loaded onto trucks shall have a moisture content sufficient to minimize visible emissions of fugitive dust and the loading drop height shall not exceed fifteen (15) feet.

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% 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 emission limitations in Section A. of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations

0.48 lb/hr; 2.1 TPY PM Crusher
 0.22 lb/hr; 0.96 TPY PM10 Crusher
 0.88 lb/hr; 3.85 TPY PM Screen
 0.30 lb/hr; 1.3 TPY PM10 Screen
 0.06 lb/hr; 0.25 TPY PM Conveyor transfer point
 0.002 lb/hr; 0.01 TPY PM10 Conveyor transfer point
 0.001 lb/hr; 0.006 TPY PM Truck unloading
 0.001 lb/hr; 0.003 TPY PM10 Truck unloading
 0.08 lb/hr; 0.35 TPY PM Truck loading
 0.04 lb/hr; 0.18TPY PM10 Truck loading

Applicable Compliance Method

Compliance with the particulate emissions limitations in term and condition A.1 shall be determined in a calculation using the applicable emission factors from AP-42, Fifth Edition, Chapter 11.19, Aggregate Processing (August 2004), multiplied by the maximum process rate in tons material per hour and tons of material per year as provided in PT1 application 14-05707 submitted on April 5, 2005.

b. Emission Limitation:

Unless otherwise specified, fugitive visible particulate emissions from any operation associated with emissions unit F001 shall not exceed twenty percent opacity as a three-minute average, except as specified by rule.

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).

Emission 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% 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.

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. Notice to Relocate a Portable Source**

a. Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee may relocate a portable emissions unit within the State of Ohio without first obtaining a permit to install (PTI) provided the following criteria are met. The portable emissions unit shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:

i. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

ii. the portable emissions unit is operating pursuant to a currently effective permit to install (PTI), operate (PTO) or registration status;

iii. the permittee has provided proper notice of intent to relocate the portable emissions unit to Ohio EPA within a minimum of 30 days prior to the scheduled relocation; and

iv. in Ohio EPA's judgment, the proposed site is acceptable under OAC rule 3745-15-07.

b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee may relocate the portable emissions unit within the State of Ohio without first obtaining a PTI provided the following criteria of OAC rule 3745-31-05(F) are met:

i. the permittee possesses an Ohio EPA PTI, PTO or registration status for the portable emissions unit;

ii. the portable emissions unit is equipped with best available technology;

iii. the permittee has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

vi. the owner of the proposed site has provided the permittee with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

vii. the permittee has provided Ohio EPA with 15 days written notice of the relocation.

2. Any site approval issued by Ohio EPA, pursuant to F.1 above, shall be valid for no longer than 3 years and is subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate Ohio EPA field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate Ohio EPA field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.