

Facility ID: 1483000168 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: 1483000168 Emissions Unit ID: F002 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>
450 tons per hour sand & gravel processing plant with water sprays	OAC rule 3745-31-05 (PTI 14-4763)	Particulate matter (PM) emissions shall not exceed 3.9 lbs/hr and 4.8 TPY; and PM10 emissions shall not exceed 1.9 lbs/hr and 2.3 TPY.
	40 CFR, Part 60, Subpart OOO	See A.2. same as visible particulate emission limitations established pursuant to OAC rule 3745-31-05

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05 shall be demonstrated by the use of water sprays on the crushers and screens, maintaining the material in a moist condition during transfer and conveying, and compliance with the opacity limitations and the annual production restriction.

Visible 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 with water, shall not exceed 10 percent opacity, as a six-minute average, except as provided by 40 CFR, Part 60.672.

Visible particulate emissions from any crusher shall not exceed 15 percent opacity, as a six-minute average.

Wet screening operations (as defined in 40 CFR, Part 60, Subpart OOO) 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 have no visible emissions.

Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations (as defined in 40 CFR, Part 60, Subpart OOO), 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 have no visible emissions.

The hourly particulate emission limitations outlined above 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 sand and gravel production rate for emissions unit F002 shall not exceed 885,600 tons per year.
2. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified in terms A.2.b, A.2.c, A.2.d and A.2.e for crushing, transfer points, screening, and conveying operations.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of sand and gravel produced, in tons, in emissions unit F002.

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 restriction, 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, Part 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, Part 60.672(b) and the emission test requirements of 40 CFR, Parts 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, Part 60.672(h).

E. Testing Requirements

1. Compliance with the visible emission limitations in Sections A.2.d and A.2.e of these terms and conditions shall be determined by USEPA Reference Method 22 and the procedures in 40 CFR, Part 60.11.
2. Compliance with the visible emission limitations in Sections A.2.b and A.2.c of these terms and conditions shall be determined by USEPA Reference Method 9 and the procedures in 40 CFR, Part 60.11 with the following additions:
 - a. the minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - b. the observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - c. for affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. (The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.)
3. Compliance with the hourly and annual particulate emission limitations in section A.1 of these terms and conditions shall be determined by calculations using the emission factors (EF) from AP-42, Table 11.19.2-2, Fifth Edition, 1995.
4. Compliance with the annual production restriction in section B.1 shall be determined by the record keeping in section C.1 of these terms and conditions and shall be the sum of the monthly production rates for the calendar year.

F. Miscellaneous Requirements

1. None