Facility ID: 1431404076 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: 1431404076 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
300 TPH portable crusher, truck unloading to the crusher, and material handling operation	OAC rule 3745-31-05(A)(3) (PTI 14-5008)	2.26 lbs of particulate emissions (PE)/hour 9.88 tons per year (TPY) of PE 0.93 lb of particulate matter emissions with a diameter of 10 microns or less (PM10)/hour 4.1 TPY of PM10 emissions The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO. See Sections A.2.a, A.2.b and A.2.c below.
	40 CFR, Part 60, Subpart OOO	See Sections A.2.d and A.2.e below.
	OAC rule 3745-17-07(B)(1)	The visible fugitive PE limitation specified by this rule for the crushing operation is less stringent than the visible PE limitation established by 40 CFR, Part 60, Subpart OOO. Visible PE of fugitive dust from this emissions unit, excluding the crushing operation, shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	The control measures specified by this rule are the same as the control measures established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

   (a) The hourly PE and PM10 emission limitations specified above are based upon the emission unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these emission limitations.
   Water sprays shall be operated at points necessary to ensure compliance with the visible PE limitation specified in Section A.2.d for the crushing operation.
   Aggregate product loaded into 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 to minimize visible emissions of fugitive dust.
   Visible fugitive PE from the crushing operation shall not exceed 15% opacity, as a 6-minute average.
   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. None

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

1. The permittee shall perform weekly inspections, when the emissions unit is in operation and when the weather

conditions allow, for any visible fugitive PE from this emissions unit. The presence or absence of any visible fugitive PE shall be noted in an operations log. If visible fugitive PE are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible fugitive PE incident; and
e. any corrective actions taken to minimize or eliminate the visible fugitive PE.

If visible fugitive PE are present, a visible fugitive PE incident has occurred. The observer does not have to document the exact start and end times for the visible fugitive PE incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible fugitive PE incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible fugitive PE were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible fugitive PE.

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive PE were observed from the emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive PE. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. **Testing Requirements**

1. Compliance with the PE, PM10 and the visible PE limitations specified in Section A shall be determined by the following methods:
PE Limitation: 2.26 lbs of PE/hour; 9.88 TPY of PE

Applicable Compliance Method: The hourly and annual PE limitations are based upon the emission unit's potential to emit and were established by multiplying the maximum hourly production rate of 300 tons/hour by the appropriate emission factors as specified in AP-42, Chapter 11, Table 11.19.2-2, Fifth Edition, 1995 for tertiary crushing and truck unloading and AP-42, Chapter 13, Table 13.2.4-1 for material handling, and summing the total calculated PE for each source.

The annual PE limitation was established by multipling the hourly PE limitation (2.26 lbs of PE/hour) by 8,760 hours/year.
PM10 Emission Limitation: 0.93 lb of PM10 emissions/hour; 4.1 TPY of PM10 emissions

Applicable Complince Method: The hourly and annual PM10 emission limitations are based upon the emissions unit's potential to emit and were established by multiplying the maximum hourly production rate of 300 tons/hour by the appropriate emission factors as specified in AP-42, Chapter 11, Table 11.19.2-2, Fifth Edition, 1995 for tertiary crushing and truck unloading and AP-42, Chapter 13, Table 13.2.4-1 for material handling, and summing the total calculated PM10 emissions for each operation.

The annual PM10 emission limitation was established by multiplying the hourly PM10 emission limitation (0.93 lb of PM10 emissions/hour) by 8,760 hours/year.
Visible Fugitive PE Limitation: Visible fugitive PE from the crushing operation shall not exceed 15% opacity, as a 6-minute average.

Applicable Compliance Method: Compliance with the visible PE limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60, Appendix A ("Standards of Performance for New Stationary Sources").
Visible Fugitive PE Limitation: Visible fugitive PE from this emissions unit, excluding the crushing operation, shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method: Compliance with the visible PE limitation shall be determined in accordance with the test method and 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:

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 operate (PTO);

iii. the permittee has provided proper notice of intent to relocate the portable emissions unit to Ohio EPA within a minimum of thirty 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 fifteen 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 three 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.