

Facility ID: 1409120694 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: 1409120694 Emissions Unit ID: F004 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>
sand & gravel processing plant	OAC rule 3745-31-05 (PTI 14-3139)	1.3 lbs/hr of PM10 and 1.67 tons/year of PM10 14.3 lbs/hr of particulate emissions (PE) and 18.5 tons/year of PE See A.2.
	40 CFR, Part 60, Subpart OOO	The above hourly emission limitations are based on the maximum capacity of the equipment and, thus, no hourly record keeping is required. Transferring: visible PE from transfer operations shall not exceed 10% opacity, as a three-minute average. Crushing: visible PE from crushing operations shall not exceed 15% opacity, as a three-minute average.
	OAC rule 3745-17-07(B)(1)	Screening and conveying: visible PE from screening and conveying operations shall not exceed 10% opacity, as a three-minute average. The opacity restrictions established by this rule are less stringent than those established by 40 CFR, Part 60, Subpart OOO.
	OAC rule 3745-17-08(B)	use of reasonably available control measures (RACM) to minimize or eliminate dust emissions (see A.2)

2. Additional Terms and Conditions

- (a) Aggregate product loaded into trucks shall have a moisture content sufficient to minimize visible PE of fugitive dust, and the loading drop height shall not exceed fifteen (15) feet.
Water sprays shall be operated at points necessary to minimize or eliminate visible PE of fugitive dust and to ensure compliance with the visible PE limitations specified for transfer points, crusher, and screening and conveying operations.

B. Operational Restrictions

1. Aggregate crushing and screening at this plant shall not exceed 700 tons per hour and 1,800,000 tons per year. Product loading shall not exceed 900,000 tons per year.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. total amount of aggregate crushed and screened, in tons per month.
 - b. total amount of aggregate loaded out, in tons per month.

These records shall be summarized at the end of each calendar year.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in the operations log:

- a. the location 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 abnormal visible emission incident; and
- e. any corrective actions taken to eliminate the abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall submit an annual report that summarizes the records maintained in Section C.1 (annual amounts of aggregate crushed and screened, and loaded out). This report shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible particulate emissions were observed from the emissions unit and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. 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 emission limitations in Section A.1 and the usage limitations in Section B.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitations:
10% opacity, as a three-minute average, from transfer, screening, and conveying operations; 15% opacity, as a three-minute average, from crushing operations

Applicable Compliance Method:
If required, compliance with the above visible PE limitations 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"), except that an averaging time of three minutes shall be used.
 - b. Emission Limitations:
1.3 lbs/hr and 1.67 tons/year of PM10
14.3 lbs/hr and 18.5 tons/year of PE

Applicable Compliance Method:
Compliance with the annual emission limitations above shall be determined based upon the record keeping specified in Section C.1 and the emission factors found in the Ohio EPA's document entitled "Reasonably Available Control Measures for Fugitive Dust Sources," Table 2.18-1 (Fugitive Dust Emission Factors for Aggregate Processing Plants), page 2-378. Compliance with the hourly emission limitations shall be determined by multiplying the maximum hourly production rate, in tons/hr, by the appropriate emission factor for the operation being performed from Table 2.18-1. PM10 is assumed to be 50% of the total PE.
 - c. Usage Limitations:
700 tons/hr and 1,800,000 TPY for aggregate crushing and screening
900,000 TPY for product loading

Applicable Compliance Method:
Compliance with the above production limitations shall be determined based on the record keeping requirements in Section C.1 of this permit.

F. Miscellaneous Requirements

1. None