

Facility ID: 0857710044 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: 0857710044 Emissions Unit ID: F001 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>
aggregate processing plant	OAC rule 3745-31-05(A)(3) PTI 08-04158	13.58 lbs/hr and 11.34 tons/yr of particulates from the equipment identified below, combined
crushing operations: primary crusher, secondary crushers(2) and tertiary crushers(2)		The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart OOO
screening operations: primary screen, secondary screens(5) and tertiary screen		15% opacity, as a 6-minute average from the primary, secondary and tertiary crushers
material handling: conveyor transfer points (26)		10% opacity, as a 6-minute average from primary, secondary tertiary screens and conveyors
		no visible emissions from all saturated equipments
		15% opacity, as a 6-minute average
		10% opacity, as a 6-minute average
tertiary crusher serial #77-108	NSPS 40 CFR Part 60, Subpart OOO	10% opacity, as a 6-minute average
secondary screen serial #34G1192		no visible emissions
conveyors serial #20, 19, 17, 23, 22, 8, 7, 25, 24, 26, 9 and 11		

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for the equipment identified in this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The aggregate materials processed through the equipment identified under this emissions unit shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crushers, screens, conveyors and transfer points, so that compliance with the opacity requirements specified above is continuously maintained.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 1,100,000 tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall conduct visible emission evaluations at a minimum annually on the crushers and screens that

are not saturated. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages), and twenty 3-minute averages.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Emission Limitation-
13.58 lbs/hr particulates

Applicable Compliance Method-

Compliance shall be determined by summing the maximum hourly emission rates for the primary, secondary and tertiary crushers, the primary, secondary, and tertiary screens, and the conveyors transfer points. (See i. through vii. below)

- i. The maximum hourly emission rate for the primary crusher is determined by multiplying the maximum hourly production rate of 640 tons/hour by the emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).
- ii. The maximum hourly emission rate for the secondary crushers are determined by multiplying the maximum hourly production rate of 280 tons/hour for each crusher by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.
- iii. The maximum hourly emission rate for the tertiary crushers are determined by multiplying the maximum hourly production rate of 444 tons/hour for each crusher by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.
- iv. The maximum hourly emission rate for the primary screen is determined by multiplying the maximum hourly production rate of 800 tons/hour by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).
- v. The maximum hourly emission rate for the secondary screens is determined by multiplying the maximum hourly production rate of 800 tons/hour for each screen by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.
- vi. The maximum hourly emission rate for the tertiary screen is determined by multiplying the maximum hourly production rate of 444 tons/hour by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).
- vii. The maximum hourly emission rate for the conveyors transfer points are determined by multiplying the maximum hourly production rate of 800 tons/hour for each conveyor transfer point by the emission factor of 0.0001008 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.

Emission Limitation-
11.34 tons/yr particulates

Applicable Compliance Method-

Compliance shall be determined by summing the annual emission rates for the primary, secondary and tertiary crushers, the primary, secondary, and tertiary screens, and the conveyor transfer points. (See i. through vii. below)

- i. The annual emission rate for the primary crusher is determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.
- ii. The annual emission rate for the secondary crushers are determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates.
- iii. The annual emission rate for the tertiary crushers are determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rate.
- iv. The annual emission rate for the primary screen is determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.
- v. The annual emission rate for the secondary screens are determined by multiplying the 12-monthly production records for the calendar year for each screen by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates.
- vi. The annual emission rate for the tertiary screens is determined by multiplying the 12-monthly production records for the calendar year for each screen by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and

summing the emission rates.

- vii. The annual emission rate for the conveyors transfer points are determined by multiplying the 12-monthly production records for the calendar year for each conveyor transfer point by the emission factor of 0.0001008 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.

Emission Limitation-

15% opacity, as a 6-minute average for the primary, secondary and tertiary crushers

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-

10% opacity, as a 6-minute average for the primary, secondary and tertiary screens

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-

no visible emissions

Applicable Compliance Method-

Compliance shall be based on USEPA Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

Emission Limitation-

10% opacity from any conveyor transfer point, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference 9.

- 2. Within the period of May 1 through September 30, the permittee shall conduct, or have conducted, an opacity test for this emissions unit in order to demonstrate compliance with the specified allowable opacity limitations. The opacity test shall be conducted in accordance with the test method specified in USEPA Reference Method 9.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Regional Air Pollution Control Agency (RAPCA). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

Personnel from RAPCA shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from RAPCA.

F. Miscellaneous Requirements

- 1. None