

Facility ID: 0829710085 Issuance type: Final State Permit To Operate

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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: 0829710085 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>
Crushing Operations: 500 tons/yr 24" x 36" Primary Crusher	OAC rule 3745-31-05 PTI 08-4063	5.15 lbs/hr and 10.33 tons/yr particulates
Screening Operations: 500 tons/hr Primary Screens (2): 6' x 20' 3-Deck Eljay Screen and 6' x 16' 2-Deck Eljay Screen**;		15% opacity, as a 6-minute average from the primary crusher
Secondary Screen, 6' x 16' 3-Deck Tabor Incline Screen**;		no visible emissions from the primary, secondary and 5 x 16 tertiary screen; all saturated
Tertiary Screens (2), 5' x 14' Dust Return Screen* and 5' x 16' 3-Deck Tabor Horizontal Screen**		10% opacity, as a 6-minute average from the 5 X 14 tertiary screen
Material Handling: 8 conveyors (500 tons/hr ea.): 3 saturated** and 5 controlled*		10% opacity from any transfer point, as a 6-minute average from the 5 conveyors
		no visible emissions from the saturated conveyors
	NSPS 40 CFR Part 60, Subpart OOO (*Tertiary Screen and Conveyors)	no visible emissions
	NSPS 40 CFR Part 60, Subpart OOO (**Primary, Secondary, Tertiary Screens and Conveyors)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-11(B)	

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for the equipment identified 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 2,000,000 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 (all screens and crushers except those that are saturated) at a minimum annually. 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).

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.
3. The permittee shall report within 30 days, any change in the saturated or unsaturated nature of the material being processed in the primary, secondary, tertiary screens and conveyors. The affected emissions unit is then subject to the provisions of the standard applicable to the type of material being processed.

E. Testing Requirements

1. This facility shall conduct, an opacity test at a minimum annually in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in 40 CFR Part 60 Subpart OOO, [reference section 60.675].

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 source operating 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). Personnel from this facility shall acquire data and information regarding the source operating parameters (including but not limited to, water flow rates and pressure employed for particulate emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report on the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to RAPCA within 30 days following completion of the test(s).

2. Compliance with the emission limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
Emission Limitation-
5.15 lbs/hr particulates

Applicable Compliance Method-

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

i. The maximum hourly emission rate for the primary crusher is determined by multiplying the maximum hourly production rate of 500 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 primary screens is determined by multiplying the maximum hourly production rate of 500 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 emissions rates for the two screens. .

iii. The maximum hourly emission rate for the secondary screen is determined by multiplying the maximum hourly production rate of 500 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).

iv. The maximum hourly emission rate for the tertiary screens is determined by multiplying the maximum hourly production rate of 500 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 emissions rates for the two screens.

v. The maximum hourly emission rate for the conveyors is determined by multiplying the maximum hourly production rates of 500 tons/hr for each conveyor by the emission factor of 1.008 E-4 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates for the eight conveyors.

Emission Limitation-
10.33 tons/yr particulates

Applicable Compliance Method-

Compliance shall be determined by summing the annual emission rates for the primary crusher, the primary, secondary, and tertiary screens, and the conveyors. (See i. through v. 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 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 and summing the emission

rates for the two screens.

iii. The annual emission rate for the secondary 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.

iv. 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 for the two screens.

v. The annual emission rate for the conveyors is determined by multiplying the 12-monthly production records for the calendar year for each conveyors by the emission factor of 1.008 E-4 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 for the eight conveyors.

Emission Limitation-

15% opacity, as a 6-minute average for the primary crusher

Applicable Compliance Method-

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

Emission Limitation-

10% opacity, as a 6-minute average for the 5 x 14 tertiary screen

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, for the primary, secondary, 5 x 16 tertiary screen and 3 conveyors; all saturated

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 transfer point, as a 6-minute average from the conveyors

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.

F. Miscellaneous Requirements

1. None