

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

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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>
Aggregate Processing Plant	OAC rule 3745-31-05(A)(3) PTI 08-04362	The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart 000.
Crushing Operations: 68 tons/hr; 10" x 36" AW Jaw Crusher (primary)		6.4 lbs/hr and 19.31 tons/yr particulate emissions plant wide
113 tons/hr; 4' SH Nordberg Crusher (secondary)		15% opacity, as a 6-minute average from the crushers
27 tons/hr; 4 1/4 SH Cone (tertiary crusher)		10% opacity, as a 6-minute average from the unsaturated screens
Screening Operations: 600 tons/hr each; (2) *6' x 20' 3D Eljay Screens (primary)		10% opacity, as a 6-minute average from any unsaturated transfer point
450 tons/hr; *6' x 16' 3D Tabor Screen (secondary)		no visible emissions from all saturated equipment except crushers
270 tons/hr; *5' x 16 3D Tabor Screen (secondary)		10% opacity, as a 6-minute average from the screens
207 tons/hr; *5' x 14' 3 1/3 D Diester Screen (tertiary)	*NSPS 40 CFR Part 60, Subpart 000	10% opacity, as a 6-minute average from any transfer point
42 tons/hr; 5' x 14' 3D ACRF Screen (tertiary)		no visible emissions from all saturated equipment except crushers
25 tons/hr; 7' x 16' Hewitt Robins 3D screen (tertiary)		
Material Handling(some saturated material handling equipment is not subject to testing per NSPS 000): 22 conveyors		
(2) Eagle Metering Bins		
28' Eagle Scalping Tank		
44" Eagle SSFM Washer		
30" x 86" Radial stacker #2		
42" x 72" FMC Feeder		

24" x Radial Stacker #15

24" x 100' Radial Stacker #13

24" x 110' Radial Stacker #1a

44" Cindaco Sand Screw

24" x 65" CS Stacker

Hopper

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for 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 unsaturated screens and unsaturated crushers) 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), and twenty 3-minute averages.

D. Reporting Requirements

1. The permittee shall submit annual reports of the annual production rate for this facility. These reports shall be submitted by January 31 of each year to the Director (the appropriate Ohio EPA DO or laa).
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 requirements 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 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. Compliance with the emission limitations in this permit for emissions unit shall be determined in accordance with the following method(s):
Emission Limitation-
6.4 lbs/hr particulate combined

Applicable Compliance Method-
Compliance shall be determined by summing the maximum hourly emission rates for the crusher, screens, and the material handling equipment. (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 68 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 crusher is determined by multiplying the maximum hourly production rate of 113 tons/hr, by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).
- iii. The maximum hourly emission rate for the tertiary crusher is determined by multiplying the maximum hourly production rate of 27 tons/hour by the emission factor of 0.001239 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 primary screens are determined by multiplying the maximum hourly production rate of 600 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 secondary screens are determined by multiplying the maximum hourly production rate of 450 tons/hour and 270 tons/hr respectively 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.
- vi. The maximum hourly emission rate for the tertiary screens are determined by multiplying the maximum hourly production

Emission Limitation-
19.31 tons/yr particulate combined

Applicable Compliance Method-

Compliance shall be determined by summing the annual emission rates for the crushers, screens and material handling equipment. (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 crusher is 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.
- iii. The annual emission rate for the tertiary crusher is 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.
- iv. The annual emission rate for the primary screens are 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.
- 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 for the two screens.

Emission Limitation-

15% opacity, as a 6-minute average (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 (screens, transfer points, conveyors, material handling equipment)

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 (saturated equipment)

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.

F. Miscellaneous Requirements

1. None