

Facility ID: 1409000186 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: 1409000186 Emissions Unit ID: P902 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>
rotary dryer, hot aggregate elevator, vibrating screens, and weigh hopper with wet scrubber	OAC rule 3745-17-11(B)(1)	40.98 lbs of particulate emissions (PE)/hour from the scrubber
	OAC rule 3745-17-07(A)(1)	See Section A.2.a below.
aggregate storage bins and cold aggregate elevator	OAC rule 3745-17-07(B)(1)	See Section A.2.b below.
	OAC rule 3745-17-08(B)	See Sections A.2.c and A.2.d below.

**2. Additional Terms and Conditions**

- (a) Visible PE from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.  
 Visible PE of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average, except as specified by rule.  
 The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible PE of fugitive dust from the elevator loading area.  
 The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible PE of fugitive dust from the elevator and the transfer point to the dryer.

**B. Operational Restrictions**

1. The permittee shall maintain the water flow rate, water pressure, and pressure drop for the scrubber at the following levels while the source is in operation:
  - a. water flow rate of no less than 70 gallons/minute;
  - b. water pressure of no less than 26 pounds per square inch gauge (psig); and
  - c. pressure drop of no less than 12 inches of water column.

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

1. The permittee shall properly operate and maintain equipment to monitor the water flow rate, in gallons/minute, water pressure, in psig, and pressure drop, inches of water column, for the scrubber. The water flow rate, water pressure, and pressure drop shall be recorded daily while the emissions unit is in operation.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all violations of the water flow rate, water pressure, and pressure drop restrictions. These reports shall be submitted to the Hamilton County Department of Environmental Services within 30 days of the exceedance.

**E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 6 months prior to the expiration of this permit.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulate matter.
  - c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: Method 5, 40 CFR, Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with

prior approval from the Hamilton County Department of Environmental Services.

d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time (s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test.

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the test and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

2. Compliance with the PE, visible PE limitations and scrubber operational restrictions specified in Sections A and B shall be determined by the following methods:  
PE Limitation for the Scrubber Stack: 40.98 lbs of PE/hour

Applicable Compliance Method: The permittee shall determine compliance with the hourly PE limitation based on the results of emissions testing conducted in accordance with the method specified in OAC rule 3745-17-03 (B)(10).

Visible PE Limitation for Fugitive Dust: Visible PE of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average, except as specified by rule.

Applicable Compliance Method: Compliance with the visible PE limitation for fugitive dust shall be determined by the method specified in OAC rule 3745-17-03(B)(3).

Visible PE Limitation for the Scrubber: Visible PE from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method: Compliance with the visible PE limitation for stacks shall be determined by the method specified in 40 CFR, Part 60, Appendix A, Test Method 9, pursuant to OAC rule 3745-17-03(B)(1).

Scrubber Operational Restrictions:

water flow rate of no less than 70 gallons/minute;  
water pressure of no less than 26 pounds psig; and  
pressure drop of no less than 12 inches of water.

Applicable Compliance Method: Compliance with the scrubber operational restrictions shall be determined by the record keeping requirements specified in Section C.1.

F. **Miscellaneous Requirements**

1. None