Facility ID: 0125040831 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: 0125040831 Emissions Unit ID: P904 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Material Handling- wet fill hopper, elevator, shaker, screw conveyer and belt conveyor	OAC rule 3745-31-05 (PTI 01-4684)	1.8 LB Particulate Emissions/Hr; 7.88 Tons Particulate Emissions/Yr; There shall be no visible emissions from this emissions unit; best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)
	OAC rule 3745-17-07 (B)(1)	less stringent than, or equal in stringency to, the above-mentioned visible emission limitation
	OAC rule 3745-17-08 (B)	less stringent than, or equal in stringency to, the above-mentioned control measure requirements

2. **Additional Terms and Conditions**

   (a) The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

   wet fill hopper
   elevator
   shaker
   screw conveyer
   belt conveyor
   The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

   material handling operation(s) control measure(s)

   wet fill hopper maintain sufficient moisture
   elevator maintain the total enclosure
   shaker maintain sufficient moisture
   screw conveyer maintain the total enclosure
   belt conveyor maintain the partial enclosure

   Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
   For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
   Implementation of the above-mentioned control measure(s) in accordance with the terms and

conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

B. **Operational Restrictions**

1. None

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

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

   material handling operation(s) minimum inspection frequency
   Wet fill hopper Daily
   Shaker Daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

   c. the dates the control measure(s) was (were) implemented; and

   d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

   The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. **Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency; and

   b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

   Emission limitation: 1.8 LB Particulate Emissions/Hr and
   7.88 Tons Particulate Emissions/Yr

   Applicable Compliance Method: Use of AP-42 / RACM emission factors , a maximum process weight rate of 60 tons/hour and 95,853 Tons/Yr, an uncontrolled emission factor of .3 lb PM/ ton of sand conveyed and transfered and a control efficiency of 90% See AP-42 4th edition, section 11.2.3 and RACM page 2-57.

2. Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with 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 paragraph (B)(4)(c) of OAC rule 3745-17-03.

F. **Miscellaneous Requirements**

1. None