

Facility ID: 1431032444 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: 1431032444 Emissions Unit ID: P904 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>
Barge Loading w/ fabric filter	OAC rule 3745-31-05 (PTI 14-4433)	Stack: 1.7 Lb PM/Hr*, 0.42 TPY PM 0.43 Lb PM10/Hr, 0.11 TPY PM10 Fugitive: 8.96 Lbs PM/Hr, 2.22 TPY PM 2.24 Lb PM10 /Hr and 0.56 TPY PM10 See T&C A.2.a. and A.2.b.
	OAC rule 3745-17-11	* The hourly emission limitations are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits. Less stringent than the PM limitations outlined for OAC rule 3745-31-05.
	OAC rule 3745-17-07(A)	Less stringent than the limitation outlined for OAC rule 3745-31-05.
	OAC rule 3745-17-07(B)	Same as limitation outlined for OAC rule 3745-31-05.
	OAC rule 3745-17-08	See B.1, B.2 and B.4.

2. **Additional Terms and Conditions**
 - (a) Visible particulate emissions of fugitive dust, shall not exceed 20% opacity, as a three-minute average, except as specified by rule.
Visible particulate emissions from the fabric filter exhaust stack shall not exceed 0% opacity, as a six-minute average, except as specified by rule.

B. Operational Restrictions

1. Capture points for the barge conveyor drop and telescoping spout discharge shall be vented to a fabric filter having a control efficiency of at least 99%.
2. Barge unloading stations shall operate as follows:
 - The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.
3. The pressure drop across the fabric filter shall be maintained within the range of 2.0 to 6.0 inches of water while the emissions unit is in operation.
4. A mineral oil spray shall be applied to the grain throughput if it appears that any of the emissions limits in this permit may be exceeded.

C. Monitoring and/or Record Keeping Requirements

1. This facility shall maintain monthly records which list the following:

- a. the identity and total monthly quantity (in tons) of each commodity shipped.
 2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
- D. Reporting Requirements**
1. This facility shall submit semi-annual reports to the Hamilton County Department of Environmental Services which summarize the following information:
 - a. the identity and total monthly quantity (in tons) of each commodity shipped.

The reports shall be submitted by February 15 and August 15 of each year and shall cover the previous six calendar months (July through December and January through June, respectively).
 2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

These reports shall be submitted to the Hamilton County Department of Environmental Services within thirty days following the excursion.
 3. The permittee shall submit semi-annual summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment when the baghouse was in operation.
- E. Testing Requirements**
1. Compliance with the visible emission limitations in terms A.2.a and A.2.b. shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(3) and (B)(1), respectively.
 2. Compliance with the annual fugitive PM emission limitation (TPY) shall be demonstrated by the following calculation:
$$\text{TPY} = 0.16 \text{ lb PM/ton of product} \times \text{Tons of product/year} \times (1 - .95 \text{ capture eff. fraction}) / 2000.$$
 3. Compliance with the annual PM emission limitation (TPY) associated with the fabric filter exhaust stack shall be demonstrated by the following calculation:
$$\text{TPY} = \text{Lb PM/ton of product (taken from PTI application)} \times \text{Tons of product/year} \times [0.95 \text{ (capture efficiency)}] \times (1 - 0.99 \text{ control eff.}) / 2000.$$
 4. After achieving the maximum production rate at which this facility will be operated, but not later than 180 days after initial startup, the permittee shall conduct performance tests for particulate matter (PM) according to test methods for visible emissions outlined in OAC 3745-17-03(B) for emissions unit P904 at this facility. Operations during periods of startup, shutdown, and malfunction do not constitute representative conditions for the purpose of a performance test.

Each performance test shall consist of at least three separate hours at the same operating conditions.
- F. Miscellaneous Requirements**
1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3475-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.