

Facility ID: 1431350149 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: 1431350149 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>
F001 - Pelletizing, conveying, bagging and truck loading	OAC rule 3745-31-05(A)(3) (PTI 14-05342)	Stack emissions: Particulate emissions shall not exceed 0.45 lb/hr and 0.25 TPY. Particulate emissions less than 10 microns in diameter shall not exceed 0.45 lb/hr and 0.25 TPY.
		Fugitive emissions: Particulate emissions shall not exceed 28.8 lbs/hr and 13.08 TPY. Particulate emissions less than 10 microns in diameter shall not exceed 14.4 lbs/hr and 6.54 TPY.
		See Section B.1.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1), 3745-17-07(B)(1) and 3745-17-08(B).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the baghouse (dust hog) stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-07(B)(1)	Fugitive visible particulate emissions from this emissions unit shall not exceed twenty percent (20%) opacity, as a three-minute average, except as specified by rule.
	OAC rule 3745-17-08(B)	Use of proper operating procedures to minimize or eliminate visible emissions of fugitive dust.
	OAC rule 3745-17-11(A)	Particulate emissions shall not exceed 0.030 grains/dscf from the baghouse (dust hog) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**
 - (a) The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The maximum annual pitch pellet production rate for this emissions unit shall not exceed 90,000 tons per year.
2. The pressure drop across the baghouse (dust hog) shall be maintained within the range of 0.5 to 8.0 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. The total amount of pitch pellets produced in this emissions unit, in tons per month.
 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. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation and the PM/PM10 emissions limitations, 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 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 in Section B.2.
 3. 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.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Stack emissions:
Particulate emissions shall not exceed 0.45 lb/hr and 0.25 TPY.
Particulate emissions less than 10 microns in diameter shall not exceed 0.45 lb/hr and 0.25 TPY.

Fugitive emissions:
Particulate emissions shall not exceed 28.8 lbs/hr and 13.08 TPY.
Particulate emissions less than 10 microns in diameter shall not exceed 14.4 lbs/hr and 6.54 TPY.

Particulate emissions shall not exceed 0.030 grains/dscf from the baghouse (dust hog).

Applicable Compliance Method:
For stack emissions, multiply the particulate emissions factor of pound(s) of particulate emissions per unit of production by the actual hourly production rate, where capture efficiency is 80% and control efficiency is 99.9%. Particulate emissions factors are from USEPA reference document AP-42, Section 11.9 (July, 1998), and Ohio EPA reference document RACM, Section 2.19 (August, 1983).

For fugitive emissions, multiply the particulate emissions factor of pound(s) of particulate emissions per unit production by the actual hourly rate, where capture efficiency is 80% and control efficiency is 99.9%. Particulate emissions factors are from USEPA reference document AP-42, Section 11.9 (July, 1998), and Ohio EPA reference document RACM, Section 2.19 (August, 1983).

If testing is required, compliance with the particulate emissions limitations shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 5.

b. Emission Limitation:
Visible particulate emissions from the baghouse (dust hog) stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

c. Emission Limitation:
Fugitive visible particulate emissions from this emissions unit shall not exceed twenty percent (20%) opacity, as a three-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance shall be determined in accordance with U.S. EPA Method 9, with the following modifications:
 1. the data reduction and average opacity calculation shall be based upon sets of twelve consecutive visible emission observations recorded at 15-second intervals;
 2. opacity observations shall be made from a position that provides the observer a clear view of the emissions unit and the fugitive dust, with the sun behind the observer;
 3. where possible, visible opacity observations shall be conducted at a position of at least fifteen feet from the source of emissions; and
 4. the visible opacity observations shall be made for the point of highest opacity within the fugitive dust emitted from the source.
 2. Compliance with the production limitation outlined in Section B.1. shall be determined by the record keeping requirements specified in Section C.1.
- F. Miscellaneous Requirements**
1. None