

Facility ID: 0238000140 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: 0238000140 Emissions Unit ID: P001 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>
hardwood lumber mill equipment controlled by a 27,000 cfm MAC return-air baghouse and sawdust silo vent and loadout.	OAC rule 3745-31-05(A)(2) (PTI 02-05915 Effective 11/10/2003)	Visible particulate emissions shall not exceed 10% opacity.
	OAC rule 3745-17-11	The particulate emissions (PE) limitations established by this rule are less stringent than the emission limitation established by OAC rule 3745-17-11. Particulate emissions shall not exceed 3.2 pounds per hour from the baghouse exhaust.
	OAC rule 3745-17-08(B)	Particulate emissions shall not exceed 3.2 pounds per hour from the wood waste silo exhaust.
	OAC rule 3745-17-07(B)	See A.2.a below. See a.2.b below.

2. **Additional Terms and Conditions**
 - (a) This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Holmes County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks for any visible particulate emissions from the exhaust of the wood waste silo vent cyclone. The presence or absence of any visible emissions from the exhaust of the wood waste silo vent cyclone shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log:
 - a. the color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to eliminate the visible emissions.
2. The permittee shall properly install, operate, and maintain equipment to continuously monitor and record the pressure drop, in inches of water, across the baghouse during operation of this emissions unit, including periods of startup and shutdown. 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, in inches of water, across the baghouse on weekly basis. Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations. In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified

below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is equivalent to the manufacturer's recommended range, inches of water.

The range shall be effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit.

D. Reporting Requirements

1. The permittee shall submit quarterly reports that identify the following information concerning the operation of the baghouse during the operation of this emissions unit:

- a. each period of time when the pressure drop across the baghouse was outside of the range specified by the manufacturer;
- b. an identification of each incident of deviation described in (a) where a prompt investigation was not conducted;
- c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
- d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

2. The permittee shall submit semiannual written reports that:

- a. identify all days during which any visible particulate emissions were observed from the exhaust of the dust collector serving this emissions unit; and
- b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports shall be submitted to the Director (the Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitations:

Particulate emissions (PE) shall not exceed 3.2 pounds per hour from the baghouse exhaust.

Applicable Compliance Methods:

If required compliance with the PE limitations above shall be determined according Methods 1 - 5, 40 CFR 60, Appendix A.

Compliance the PE limitation may be determined by the following equation:

$$(0.055 \text{ gr/dscf}) \times (27,000 \text{ cfm}) \times (60 \text{ min/hr}) \times (\text{lb}/7000 \text{ gr}) \times (1-.99)$$

where:

0.055 gr/dscf is the emission factor from AP-42, table 10.4-1 version 4/78; and

27,000 cfm is the dust collector flow rate; and

99% is the dust collector control efficiency.

Emission Limitations:

Particulate emissions (PE) shall not exceed 3.2 pounds per hour from the wood waste silo vent.

Applicable Compliance Methods:

If required compliance with the PE limitations above shall be determined according Methods 1 - 5, 40 CFR 60, Appendix A.

Compliance the PE limitation may be determined by the following equation:

$$(0.055 \text{ gr/dscf}) \times (5,150 \text{ cfm}) \times (60 \text{ min/hr}) \times (\text{lb}/7000 \text{ gr})$$

where:

0.055 gr/dscf is the emission factor from AP-42, table 10.4-1 version 4/78; and

5,150 cfm is the dust collector flow rate.

Emission Limitation:

Visible particulate emissions shall not exceed 10% opacity from the baghouse exhaust and from the wood waste silo vent.

Applicable Compliance Method:

Compliance with the visible fugitive emission limitation shall be determined by OAC rule 3745-17-03(B)(3), in accordance with Method 9, as set forth in 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None