

Facility ID: 0285000460 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: 0285000460 Emissions Unit ID: P001 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Woodworking shop consisting of saws, planers, sanders, routers, shapers all controlled by a cyclone. Dust drops to an open top container.	OAC rule 3745-31-05(A)(3) (PTI 02-22663 Effective 10/16/2007)	See A.2.a, A.2.b, A.2.c, B.1 and B.2 below.
	OAC rule 3745-17-07(B)	See section A.2.e.
	OAC rule 3745-17-08(B)	See section A.2.d.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	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) Particulate emissions shall not exceed 0.055 grain per dscf of exhaust gas, 3.57 pound per hour and 15.64 tons per year from the cyclone exhaust. Visible emissions from the cyclone exhaust shall not exceed 5 % opacity as a six-minute average. Visible emissions shall not exceed 20% opacity as a 3-minute average from fugitive particulate emissions during load-out. 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 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

B. Operational Restrictions

1. The cyclone shall be operated with a sufficient volumetric flow rate to eliminate visible particulate emissions at the point(s) of capture to the extent possible with good engineering design.
2. During any unloading of sawdust into the container, every attempt shall be made to reduce or control fugitive dust emissions by minimizing the drop height, utilizing high side boards, telescoping or fabric tubes to reduce drop height during the unloading process. The collection efficiency shall be considered adequate if there are no visible particulate emissions of fugitive dust from the fabric tube during wood waste storage load-out in excess of 20% opacity, as a 3-minute average.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall record in an operations log any time the telescoping fabric tube or other means to reduce drop height is not in use when sawdust load out is in operation.
2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;

- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

- 3. The permittee shall maintain copies of these records for a period of at least five years. Those records should be made available for Ohio EPA or their representatives to review during normal working hours.

D. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports that include all periods of time that the telescoping fabric tubes or other appropriate fugitive dust reduction techniques were not used during while the sawdust load out was in operation.

The quarterly deviations reports shall be submitted in accordance with the General Terms and Conditions. These reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

- 2. The permittee shall submit semiannual written reports that:
 - a. identify all days during which any visible particulate emissions were observed from the stack 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 (Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

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 Limitation:

Particulate emissions (PE) shall not exceed 0.055 gr/dscf and 3.57 pound per hour.

Applicable Compliance Methods:

If required compliance shall be determined according to OAC rule 3745-17-03(B)(10), (Method 5, 40 CFR 60, Appendix A).

Emission Limitation:

Particulate emissions (PE) shall not exceed 15.64 tons per year.

Applicable Compliance Methods:

Compliance with this emission limitation shall be determined by the following equation:

$$(0.055 \text{ gr/dscf}) \times (7,580 \text{ cfm}) \times (60 \text{ min/hr}) \times (8760 \text{ hr/yr}) \times (\text{lb}/7000 \text{ gr}) \times (\text{ton}/2000 \text{ lb})$$

Where:

0.055 gr/dscf is the emission factor from AP-42, table 10.4-2 version 7/79; and

7,580 cfm is the cyclone flow rate.

Emission Limitation:

5% opacity as a six-minute average from the cyclone exhaust

Applicable Compliance Methods:

If requested, compliance shall be determined by OAC rule 3745-17-03(B)(3), in accordance with Method 9, as sent forth in 40 CFR Part 60, Appendix A.

Emission Limitation:

20% opacity as a 3-minute average during wood waste load-out

Applicable Compliance Method:

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

F. Miscellaneous Requirements

- 1. None