

Facility ID: 0285020311 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: 0285020311 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>
Woodworking shop controlled by a 36,000 cfm dust collection system and associated wood waste handling.	OAC rule 3745-31-05(A)(3) (PTI 02-18619) (Effective 11/18/03)	Particulate emissions shall not exceed 0.01 grain per dscf of exhaust gas, 3.1 pounds per hour and 13.6 tons per year from the dust collector exhaust.
		There shall be no visible particulate emissions from the dust collector exhaust.
	OAC rule 3745-17-07(B)	This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B) (11)(e).
	OAC rule 3745-17-08(B)	The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-07(B).
	OAC rule 3745-17-11	The emission limitation required by this applicable 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 required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The pressure drop across the dust collector shall be maintained between 1 to 6 inches of water at all times the wood shop is in operation.
2. The dust collector 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.
3. The waste wood truck shall be covered at all times when the dust collection system is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate and maintain equipment to monitor the pressure drop across the dust collector 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 dust collector on a daily basis.
2. When the dust collector is vented outside the building, 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 exhaust of the dust collector serving this emissions unit. The presence or absence of any visible emissions from the exhaust of the dust collector 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. the total duration of any visible emission incident; and
- c. any corrective actions taken to eliminate the visible emissions.

NOTE: The exhaust from the dust collector for this emissions unit is currently vented back into the building. This is the normal operating mode for this emissions unit.

3. The permittee shall record in an operations log any time the wood waste truck is not covered when the dust collection system is in operation.
4. The permittee shall maintain copies of the record of the daily pressure drop readings, the weekly visible emissions checks, and the wood waste truck operations checks at the facility 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 pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the dust collector did not comply with the allowable range specified above and any corrective measures taken.
2. The permittee shall submit quarterly visible emission check deviation (excursion) reports that (a) identify all days during which any visible particulate emissions were observed from the dust collector serving this emissions unit when the dust collector was vented outside 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, April 30, July 31 and October 31 of each year and shall cover the previous 3-month period.
3. The permittee shall notify the Director (Ohio EPA, Northeast District Office) in writing of any daily record showing the wood waste truck was not covered while the dust collection system was in operation. The notification shall include what corrective action was taken and shall be sent to the Director (Ohio EPA, Northeast District Office) within 30 days following the exceedance.
4. All quarterly deviation (excursion) reports shall be submitted in accordance with section 3.b of the General Terms and Conditions.

E. Testing Requirements

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

Particulate emissions shall not exceed 0.01 grain per dscf of exhaust gas and 3.1 pounds per hour from the dust collector exhaust.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5.

Emission Limitation:

Particulate emissions shall not exceed 13.6 tons per year from the dust collector exhaust.

Applicable Compliance Method:

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

$$(0.055 \text{ gr/dscf}) \times (36,000 \text{ cfm}) \times (60 \text{ min/hr}) \times (8760 \text{ hr/yr}) \times (\text{lb}/7000 \text{ gr}) \times (\text{ton}/2000 \text{ lb}) \times (1-.999)$$

where:

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

36,000 cfm is the dust collector flow rate; and

99.9% is the dust collector control efficiency.

Emission Limitation:

There shall be no visible particulate emissions from the dust collector exhaust.

Applicable Compliance Method:

Compliance with the no visible emission limit for the exhausts from the dust collector shall be determined using Test Method 22-like visible emission observations. (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.)

F. Miscellaneous Requirements

1. None