Facility ID: 0238000178 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

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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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Woodworking shop to manufacture wood trim and doors and a wood waste storage bin vent controlled by a 48,000 return-air fabric filter	OAC rule 3745-31-05(A)(3) (PTI 02-16689 Effective 7/9/2002)	Particulate emissions (PE) shall not exceed 0.01 grain per dscf of exhaust gas, 4.1 pounds per hour and 18.0 tons per year. See also A.2.a below.
	OAC rule 3745-17-07(B)	Exempt due to location in non-Appendix A area.
	OAC rule 3745-17-08(B)	Exempt due to location in non-Appendix A area.
	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) There shall be no visible particulate emissions from the dust collector exhaust.

B. **Operational Restrictions**

1. The pressure drop across the dust collector shall be maintained within the manufacturer's recommended range while the emissions unit is in operation, or with the pressure drop range established during the most recent compliance inspection or stack test that determined the emissions unit was in compliance.

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 storage silo vent shall be controlled by the cyclone and baghouse at all times the woodworking shop is in operation.

C. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
   Whenever the monitored value for the pressure drop deviates from the limit or range specified in this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

   a. the date and time the deviation began;
   b. the magnitude of the deviation at that time;
   c. the date the investigation was conducted;
   d. the name(s) of the personnel who conducted the investigation; and
   e. 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 in

this permit, 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:

f. a description of the corrective action;
g. the date corrective action was completed;
h. the date and time the deviation ended;
i. the total period of time (in minutes) during which there was a deviation;
j. the pressure drop readings immediately after the corrective action was implemented; and
k. the name(s) of the personnel who performed the work.

2. The permittee shall perform weekly checks, when the emissions unit is in operation and vented outside 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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

a. each period of time when the pressure drop across the baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;

b. an identification of each incident of deviation described in "a" (above) 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(s).

2. The permittee shall submit quarterly 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 minimize or eliminate the visible particulate emissions.

3. 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.

E. **Testing Requirements**

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

Particulate emissions shall not exceed 0.01 gr/dscf and 4.1 pounds 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 shall not exceed 18.0 tons per year.

Applicable Compliance Method:

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

(0.055 gr/dscf)X(48,000 cfm)X(60 min/hr)X(8760 hrs/yr)X(lb/7000 gr)X(ton/2000 lb)X(1-0.999)

where:
0.055 gr/dscf is the emission factor from AP-42, table 10.4-1 versions 7/78;
48,000 cfm is the dust collector flow rate; and
99.9% is the dust collector manufacturer's certified control efficiency.

Emission Limitation:

No visible emissions from the dust collector exhaust.

Applicable Compliance Methods:

Compliance with this limitation shall be determined using Test-Method 22-like visible emissions observations. (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation techniques of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emissions observations.)

F. **Miscellaneous Requirements**

1. None