

Facility ID: 0238000109 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.

[Go to Part II for Emissions Unit P001](#)
[Go to Part II for Emissions Unit R004](#)

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Facility ID: 0238000109 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>
P001 - Planers, sanders and saws for the production of wood parts controlled by a primary cyclone and secondary, 21,532 acfm return air baghouse. Wood waste silo controlled by a small cyclone and returned to the return air baghouse	OAC rule 3745-31-05(A)(3) PTI 02-16108	0.01 grain per dscf of exhaust gas, 1.85 pound per hour and 8.10 tons per year of particulate matter.
	OAC rule 3745-17-07(B)	No visible emissions except for one (1) minute in any hour from any building opening.
	OAC rule 3745-17-08(B)	Exempt due to location in non-Appendix A area.
	OAC rule 3745-17-11	Exempt due to location in non-Appendix A area.
	OAC rule 3745-17-07(A)	Less stringent than OAC rule 3745-31-05(A)(3).
		Less stringent than OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the manufacturer's recommended range of 2 to 6 inches water while the emissions unit is in operation.
2. The baghouse shall be operated with a sufficient volumetric flow rate to minimize or 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 monitor the pressure drop across the bag house 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.
2. The permittee shall maintain copies of the record of the daily pressure drop readings 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 baghouse did not comply with the allowable range specified above.
2. All deviation (excursion) reports shall be submitted in accordance with Section 3. 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:
0.01 gr/dscf and 1.85 pound per hour of particulate matter emissions

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:
8.10 tons per year of particulate matter emissions

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

$$(0.03 \text{ gr/dscf}) \times (21,532 \text{ cfm}) \times (60 \text{ min/hr}) \times (8760 \text{ hr/yr}) \times (\text{lb}/7000 \text{ gr}) \times (\text{ton}/2000 \text{ lb}) \times (1-.999)$$

Where:
0.03 gr/dscf is the emission factor from AP-42, table 10.4-1 version 2/80; and
21,532 cfm is the dust collector flow rate; and
99.9% is the dust collector control efficiency.

Emission Limitation:
No visible emission except for one (1) minute in any hour for any building opening.

Applicable Compliance Methods:
If required, compliance shall be determined according to USEPA Method 22, 40 CFR 60, Appendix A.

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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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>
R004 - Dip tank (48 in. long x 12 in. wide x 15 in. high) to coat wood and metal parts.	OAC rule 3745-31-05(A)(3) PTI 02-16108	See A.2.b, A.2.c and A.2.e below
	OAC rule 3745-21-09(U)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-21-09(U). See A.2.a below.
	OAC rule 3745-17-11(A)(1)	This emissions unit is exempt from the requirements of OAC rule 3745-17-11(C) because applies material by flow coating.

2. Additional Terms and Conditions

- (a) On the days when only metal parts are coated, the permittee shall employ no more than 10 gallons per day of coating, as applied.
On the days metal parts are coated, organic compound (OC) emissions shall not exceed 64.5 pounds per day.
On the days non-metal parts are coated, organic compound (OC) emissions shall not exceed 39.5 pounds per day.
OC emissions shall not exceed 11.8 tons per year.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:

- a. The company identification for each coating and cleanup material employed.
- b. The type of substrate being coated, i.e. metal or non-metal.
- c. The number of gallons of each coating and cleanup material employed.
- d. The OC content of each coating and cleanup material, in pounds OC per gallon.
- e. The total emission rate for all coatings and materials, in pounds OC per day.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

D. Reporting Requirements

1. In accordance with paragraph 3 of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. For days when only metal parts were coated, an identification of each day during which the total coating usage exceeded 10 gallons per day, and the actual total coating usage.
 - b. For days when only metal parts were coated, an identification of each day during which the average OC emissions from the coatings and cleanup materials exceeded 64.5 lbs/d, and the actual average OC emissions for each such day.
 - c. For days non-metal parts were coated, an identification of each day during which the average OC emissions from the coatings and cleanup materials exceeded 39.5 lbs/d, and the actual average OC emissions for each such day.
2. The permittee shall also submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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 method(s):

Emission Limitation:
39.5 lbs OC/d when non-metal parts are coated

Applicable Compliance Method-
Compliance shall be based on the record keeping requirements as specified in term C.
Emission Limitation-
64.5 lbs OC/day when metal parts are coated

Applicable Compliance Method-
Compliance shall be based on the record keeping requirements as specified in term C.
Emission Limitation-
11.8 tpy of OC

Applicable Compliance Method-
Compliance shall be based on the record keeping requirements as specified in term C.1 and shall be the sum of the 365 daily emission rates for the calendar year.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials.

F. Miscellaneous Requirements

1. None