

Facility ID: 0238000165 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 P002](#)
[Go to Part II for Emissions Unit R003](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0238000165 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>
wood working shop controlled by a 4,800 acfm, return air baghouse	OAC rule 3745-31-05(A)(3) (PTI 02-10009 Effective 2/10/2001)	See A.2.a below.
	OAC rule 3745-17-07(A)	See A.2.b below.
	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) expressed in A.2.a below.
	OAC rule 3745-17-07(B)	See A.2.c below.
	OAC rule 3745-17-08	See A.2.d below.

2. Additional Terms and Conditions

- (a) Particulate matter emissions (PE) shall not exceed 1.23 pounds per hour. Visible emissions shall not exceed 20% opacity as a six-minute average from any building opening. This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

B. Operational Restrictions

1. 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.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

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:
 PM emissions shall not exceed 1.23 lbs/hr.

 Applicable Compliance Method:
 If required compliance shall be determined according to OAC rule 3745-17-03(B)(10), (Method 5, 40 CFR 60, Appendix A).
 Emission Limitation:
 Visible emissions shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:
 Compliance shall be determined according to OAC rule 3745-17-03(B)(1), (USEPA Method 9, 40 CFR 60, Appendix A).

F. Miscellaneous Requirements

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0238000165 Emissions Unit ID: P002 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>
wood working shop controlled by a primary cyclone and a secondary 5,500 acfm, return air baghouse	OAC rule 3745-31-05(A)(3) (PTI 02-10009 Effective 2/10/2001)	See A.2.a below.
	OAC rule 3745-17-07	See A.2.b below.
	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) expressed in A.2.a below.
	OAC rule 3745-17-07(B)	See A.2.c below.
	OAC rule 3745-17-08	See A.2.d below.

2. Additional Terms and Conditions

- (a) Particulate matter emissions (PE) shall not exceed 0.84 pounds per hour. Visible emissions shall not exceed 20% opacity as a six-minute average from any building opening. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1). This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

B. Operational Restrictions

- 1. 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.

C. Monitoring and/or Record Keeping Requirements

- 1. None

D. Reporting Requirements

- 1. None

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:
 PM emissions shall not exceed 0.84 lb/hr.

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

Emission Limitation:
Visible emissions shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:
Compliance shall be determined according to OAC rule 3745-17-03(B)(1), (USEPA Method 9, 40 CFR 60, Appendix A).

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0238000165 Emissions Unit ID: R003 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>
Spray booth C, 12x8x8 open coating booth with 8 air assisted, airless HVLP gun for the application of water based coatings to wood doors and millwork	OAC rule 3745-31-05(A)(3) (PTI 02-13652 Effective 2/10/2001)	See A.2.c, A.2.d and A.2.e below.
	OAC rule 3745-21-07(G)(2)	See A.2.a below.
	OAC rule 3745-35-07(B)	See A.2.b and A.2.d below.
	OAC rule 3745-17-11(C)	See A.2.f below.

2. Additional Terms and Conditions

- (a) This emissions unit shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), as coatings or cleanup materials.

The prohibition on the use of photochemically reactive material shall cease to be effective and federally enforceable on the date the U.S. EPA approves the current OAC rule 3745-21-07 as a revision to the Ohio SIP for organic compounds. After the rule is added to the Ohio SIP, these emission limitations and the associated monitoring, record keeping, reporting, and testing requirements shall be void.

This emissions unit shall employ only coatings containing zero Hazardous Air Pollutants (HAPs), as listed in section 112 (b) of the federal Clean Air Act.

Coatings employed in this booth shall not exceed 1.36 pounds of organic compounds per gallon.

Organic compound emissions shall not exceed 10.6 tons per rolling, 12-month period.

This emissions unit shall employ only water as the clean up material.

The permittee shall operate the dry particulate filter whenever this emissions unit is in operation.

B. Operational Restrictions

1. The maximum annual coating usage for this emissions unit shall not exceed 15,600 gallons, based upon a rolling, 12-month summation of the coating usage figures.
2. The permittee shall operate and maintain the dry particulate filter system for the coating operations in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s) with any modifications deemed necessary by the permittee. The dry particulate filter shall be employed during all periods of coating application to control particulate emissions.
3. The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:

- a. the name and identification number of each coating employed;
 - b. amount of each coating used, in gallons per month;
 - c. the OC content of each coating, in pounds of OC per gallon of coating applied; and
 - d. the rolling, 12-month summation of the coating usage, in gallons.

2. The permittee shall maintain daily records that document any time periods when:
 - a. any coating employed is a photochemically reactive material;
 - b. any coating material employed contains a Hazardous Air Pollutant (HAP); and
 - c. cleanup materials other than water are employed.

[Note: After the revision to OAC rule 3745-21-07(G) is approved into the Ohio SIP, the records required by this section shall be kept on a daily basis with no reference to photochemically reactive materials. Section C.2.a shall be void.]

3. The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
4. The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
5. In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
6. The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

7. The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit was in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. an identification of each month during which the OC content of any coating employed exceeded 1.36 pounds OC per gallon, and the actual OC content of each such coating employed;
 - b. any exceedance of the rolling, 12-month coating limitation specified in B.1;
 - c. an identification of each day a photochemically reactive material was employed;
 - d. an identification of each day any coating or cleanup material containing a HAP was employed;
 - e. an identification of each day any cleanup material other than water was employed; and
 - f. any daily record showing that the dry particulate filter was not in service when the emissions unit was in operation.

All quarterly deviation (excursion) reports shall be submitted in accordance with Section 2.b of the General Terms and Conditions.

[Note: After the revision to OAC rule 3745-21-07(G) is approved into the Ohio SIP, this section shall be revised by voiding section D.1.c.]

2. The permittee shall submit annual reports which summarize the following information:
 - a. total emissions of OC from this emissions unit; and
 - b. total coating usage in this emissions unit, in gallons per year;

The reports shall include the emission calculations, shall be submitted by February 1 of each year, and shall cover the previous calendar year.

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:
1.36 pounds OC per gallon of coating.

Applicable Compliance Method:
Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings.
Emission Limitation:
10.6 tons of OC emissions per rolling, 12-month period.

Compliance determination:
Compliance shall be assumed provided that the OC content of the coatings, of 1.36 lbs/gal, and the coating usage restriction, of 15,600 gallons, based upon a rolling, 12-month period, are not exceeded.

F. Miscellaneous Requirements

1. Pursuant to Engineering Guide #69, modeling to demonstrate compliance with the Ohio EPA's Air Toxic Policy was not necessary since the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant that has a listed TLV to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.