

Facility ID: 0285000393 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 R001](#)

[Go to Part II for Emissions Unit R002](#)

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

Facility ID: 0285000393 Emissions Unit ID: R001 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 #1--JBI Model 390260 Industrial Spray Paint Booth for applying sealer and top-coat to wood furniture (R001)	OAC rule 3745-31-05(A)(3)	OC emissions from this emissions unit shall not exceed 7.3 TPY, including all cleanup materials.
	OAC rule 3745-21-07(G)(2)	Particulate emissions shall not exceed 2.41 TPY.
	OAC rule 3745-17-11	OC emissions from this emissions unit shall not exceed 40 pounds per day or 8 lbs. per hour.
	OAC rule 3745-45-17-07(A)	Particulate emissions from this emissions unit shall not exceed 0.55 lb/hr. Visible particulate emissions from the exhaust serving this emissions unit shall not exceed twenty (20) percent opacity as six-minute average more than once per any sixty-minute period.

**2. Additional Terms and Conditions**

- (a) None

**B. Operational Restrictions**

1. Each emissions unit will be operated and maintained in accordance with the manufacturer's recommendations. Spray booth exhaust filters shall be maintained (changed or cleaned) regularly per manufacturer's recommendations in order to maintain the highest effective level of particulate emissions control. Maintenance of exhaust filters (cleaning and/or changing of filter elements) shall be recorded in an operations log maintained at this facility.

**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 photochemically reactive cleanup material employed.
  - b. The number of gallons of each coating and photochemically reactive cleanup material employed.
  - c. The organic compound (OC) content of each coating and photochemically reactive cleanup material, in pounds per gallon.
  - d. The solids content of each coating employed, in pounds per gallon.
  - e. The total number of hours the emissions unit was in operation.
  - f. The total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
  - g. The total solids (particulate) emissions rate for all coatings, in pounds per day.
  - h. The average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per hour (average; i.e., f/e).

- i. The average hourly particulate (solids) emissions rate for all coating employed, in pounds per hour (average; i.e., g/e).
- j. The number of gallons of each nonphotochemically reactive cleanup material.
- k. The OC content of each nonphotochemically reactive cleanup material.
- l. The total OC emission rate for all nonphotochemically reactive cleanup materials.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive" is based upon OAC rule 3745-21-01(C)(5).]

- 2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all records required by the permit. Such records may be maintained in computerized form.

**D. Reporting Requirements**

- 1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.
  - b. An identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
  - c. An identification of each day during which the average hourly particulate emissions from the coatings employed exceeded 0.55 pound per hour, and the actual particulate emissions rate for each such day.
- 2. The permittee shall submit required reports in the following manner:
  - a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviation occurred during the calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.
- 3. The permittee shall also submit annual reports which specify the total organic compound and particulate emissions from each emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**E. Testing Requirements**

- 1. Emission Limitation: VOC emissions shall not exceed 40 lbs/day and 7.3 TPY.  
  
Applicable Compliance Method: Compliance with the daily and annual VOC emission limitations shall be based upon the record keeping in Section C.1.
- 2. Emissions Limitation: Particulate emissions shall not exceed 0.55 lbs/hr and 2.41 TPY.  
  
Applicable Compliance Method: Compliance shall be based on calculations using the daily and annual records of volume of coatings used in each emissions unit, the solids content of each coating (as applied), the assumption of thirty (30) percent overspray and eighty (80) percent collection efficiency of emissions unit exhaust filters, and the daily and annual hours of emissions unit operation. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).
- 3. Emissions Limitation: Visible particulate emissions from the exhaust stack serving each of these emissions units shall not exceed twenty (20) percent opacity as a six-minute average more than once per any sixty-minute period.  
  
Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

**F. Miscellaneous Requirements**

- 1. None

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

Facility ID: 0285000393 Emissions Unit ID: R002 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 #2--JBI Model 390260 Industrial Spray Paint Booth for applying stains and varnish finishes to wood furniture (R002)	OAC rule 3745-31-05(A)(3)	OC emissions from this emissions unit shall not exceed 7.3 TPY, including all cleanup materials.
	OAC 3745-21-07(G)(2)	Particulate emissions shall not exceed 2.41 TPY.
	OAC rule 3745-17-11	OC emissions from this emissions unit shall not exceed 40 pounds per day or 8 lbs/hr.
	OAC rule 3745-17-07(A)	Particulate emissions from this emissions unit shall not exceed 0.55 lb/hr. Visible particulate emissions from the exhaust serving this emissions unit shall not exceed twenty (20) percent opacity as six-minute average more than once per any sixty-minute period.

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

**B. Operational Restrictions**

1. Each emissions unit will be operated and maintained in accordance with the manufacturer's recommendations. Spray booth exhaust filters shall be maintained (changed or cleaned) regularly per manufacturer's recommendations in order to maintain the highest effective level of particulate emissions control. Maintenance of exhaust filters (cleaning and/or changing of filter elements) shall be recorded in an operations log maintained at this facility.

**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 photochemically reactive cleanup material employed.
  - b. The number of gallons of each coating and photochemically reactive cleanup material employed.
  - c. The organic compound (OC) content of each coating and photochemically reactive cleanup material, in pounds per gallon.
  - d. The solids content of each coating employed, in pounds per gallon.
  - e. The total number of hours the emissions unit was in operation.
  - f. The total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
  - g. The total solids (particulate) emissions rate for all coatings, in pounds per day.
  - h. The average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per hour (average; i.e., f/e).
  - i. The average hourly particulate (solids) emissions rate for all coating employed, in pounds per hour (average; i.e., g/e).
  - j. The number of gallons of each nonphotochemically reactive cleanup material.
  - k. The OC content of each nonphotochemically reactive cleanup material.
  - j. The total OC emission rate for all nonphotochemically reactive cleanup materials.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive" is based upon OAC rule 3745-21-01(C)(5).]

2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all records required by the permit. Such records may be maintained in computerized form.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.
  - b. An identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
  - c. An identification of each day during which the average hourly particulate emissions from the coatings employed exceeded 0.55 pound per hour, and the actual particulate emissions rate for each such day.
2. The permittee shall submit required reports in the following manner:
  - a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviation occurred during the calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.
3. The permittee shall also submit annual reports which specify the total organic compound and particulate emissions from each emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**E. Testing Requirements**

1. Emission Limitation: VOC emissions shall not exceed 40 lbs/day and 7.3 TPY.  
  
Applicable Compliance Method: Compliance with the daily and annual VOC emission limitations shall be based upon the record keeping in Section C.1.
2. Emissions Limitation: Particulate emissions shall not exceed 0.55 lbs/hr and 2.41 TPY.  
  
Applicable Compliance Method: Compliance shall be based on calculations using the daily and annual records of volume of coatings used in each emissions unit, the solids content of each coating (as applied), the assumption of thirty (30) percent overspray and eighty (80) percent collection efficiency of emissions unit exhaust filters, and the daily and annual hours of emissions unit operation. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).
3. Emissions Limitation: Visible particulate emissions from the exhaust stack serving each of these emissions units shall not exceed twenty (20) percent opacity as a six-minute average more than once per any sixty-minute period.  
  
Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

**F. Miscellaneous Requirements**

1. None