

Facility ID: 0228000276 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.

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

Facility ID: 0228000276 Emissions Unit ID: K001 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>
Paint Booth #1	OAC rule 3745-17-07 (A)	The emissions limit based upon this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-17-11	Particulate emissions from this emissions unit shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07 (G)(2)	See section A.2.a of these terms and conditions.
	OAC rule 3745-31-05 (A)(3)	Volatile Organic Compound (VOC) emissions from this emissions unit shall not exceed 3.07 tons per year.
	PTI No. 02-12185	Particulate emissions from this emissions unit shall not exceed 2.41 tons per year.
		Visible particulate emissions from this emissions unit shall not exceed five percent (5%) opacity as a 6-minute average.
		See sections B.1 and B.2 of these terms and conditions.

2. **Additional Terms and Conditions**
 - (a) This emissions unit shall not employ organic liquids which are photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5).

B. Operational Restrictions

1. This emissions unit shall employ no more than 8 gallons coatings per day.
2. A dry filtration system for this emissions unit shall be used while the booth is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. The name and identification number of each coating and cleanup material employed.
 - b. The number of gallons of each coating employed.
 - c. The total number of gallons of all the coatings employed.
 - d. The number of gallons of each cleanup material employed.
 - e. The VOC content of each coating, as applied, in pounds per gallon.
 - f. The VOC content of each cleanup material, in pounds per gallon.
 - h. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.
2. The permittee shall maintain records documenting the use of non-photochemically reactive materials as defined in OAC rule 3745-21-01 (C)(5).

D. Reporting Requirements

1. The permittee shall notify the Director (Ohio EPA, Northeast District Office) in writing of any daily record showing that this emissions unit employed more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Northeast District Office) within 45 days.
2. The permittee shall notify the Director (Ohio EPA, Northeast District Office) in writing of any daily record showing that this emissions unit employed a coating that is determined to be a photochemically reactive material. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Northeast District Office) within 45 days.
3. The permittee shall submit annual reports which specify the total VOC 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 limitation in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
3.07 tons per year of VOC emissions

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping requirements specified in Section C.1 of these terms and conditions, and shall be the sum of daily VOC emissions rate for the calendar year.
 - b. Emissions Limitation:
0.551 pound per hour of particulate emissions

Applicable Compliance Method:
To determine the worst case emission rate for particulate emissions, the following equation shall be used:

$$E = MCSUR \times (1 - TE) \times (1 - CE)$$
 Where,

 E = particulate emission rate, in pounds per hour.
 MCSUR = maximum coating solids usage rate, in pounds per hour.
 TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of the coating solids used (80%, per AP - 42 Section 4.2.2.4).
 CE = control efficiency of the dry filtration system (Assume to be 90%).
 - c. Emission Limitation
2.41 tons per year of particulate emissions

Applicable Compliance Method:
The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the daily limitation, compliance will also be shown with the annual limitations.
 - d. Emission Limitation
5% opacity as a 6-minute average

Applicable Compliance Method:
Compliance shall be determined based upon US EPA reference method 9, 40 CFR Part 60, Appendix A.
2. Compliance with the emission limitation in Section B of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
8 gallons per day of coating usage

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping requirements specified in Section C.1 of these terms and conditions.
 3. US EPA reference method 24 or formulation data shall be used to determine VOC content for coatings and cleanup materials employed in this emissions unit.

F. Miscellaneous Requirements

1. None