

Facility ID: 0684020011 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: 0684020011 Emissions Unit ID: R001 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>
Off Line Paint Booth	OAC Rule 3745-31-05 (A)(3) PTI # 06-2385	This emissions unit shall not employ more than 10 gallons of coating on metal parts in any given day. VOC emissions shall not exceed 0.9 ton per year.
	OAC Rule 3745-17-11	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(h)
	OAC Rule 3745-17-07	This emissions unit is limited to 0.551 pound per hour and 2.4 tons per year of particulate matter emissions. Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except for a period of six consecutive minutes in any sixty minute period. Visible particulate emissions shall not exceed sixty percent opacity, as a six-minute average, at any time.
	OAC Rule 3745-21-09(U)(1)(h)	The VOC content of all metal coatings employed shall not exceed 6.2 pounds VOC per gallon (excluding water) as a daily, volume-weighted average.

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

B. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emission unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for the paint booth each day when metal parts are coated:
 - a. The name and identification number of each metal coating, as applied.
 - b. The total volume, in gallons, of all of the metal coatings, as applied.
 - c. The VOC content (excluding water) of each metal coating, as applied, in pounds per gallon.
 - d. The number of gallons (excluding water) of each metal coating, as applied.
 - e. The daily volume-weighted average VOC content of all metal coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.
2. The permittee shall collect and record the following information each month for the purpose of determining annual VOC emissions:
 - a. The name and identification number of each cleanup material employed.

- b. The number of gallons of each cleanup material employed.
 - c. The VOC content of each cleanup material, in pounds per gallon.
 - d. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emission unit was in operation.
- D. Reporting Requirements**
- 1. The permittee shall notify the Southeast District Office in writing of any daily record showing that the paint booth employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Southeast District Office within 45 days after the exceedance occurs.
 - 2. The permittee shall notify the Southeast District Office in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Southeast District Office within 45 days after the exceedance occurs.
 - 3. The permittee shall also 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.
 - 4. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the dry filtration system was not in service when the emission unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
- 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:
10 gallons per day of coating

Applicable Compliance Method:
Compliance with the usage limitation of 10 gallons per day of coating shall be based on the record keeping specified in Part II, Section C.1. of this permit.
Emission Limitation:
6.2 pounds VOC per gallon of coating

Applicable Compliance Method:
Compliance with the VOC content limitation of 6.2 pounds VOC per gallon of coating shall be based on the record keeping specified in Part II, Section C.1. of this permit.

Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings and cleanup materials. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.
Emission Limitation:
VOC emissions shall not exceed 0.9 ton per year.

Applicable Compliance Method:
Compliance with the annual VOC emission limitation of 0.9 ton per year shall be based on the record keeping specified in Part II, Sections C.1. and C.2. of this permit and shall be the sum of the 12 monthly VOC emission totals for the calendar year.
Emission Limitation:
Particulate emissions shall not exceed 0.551 lb/hr and 2.4 tons per year of particulate matter emissions.

Applicable Compliance Method:
Compliance with the particulate matter emission limits of 0.551 pound per hour and 2.4 tons per year of particulate matter emissions. shall be determined in accordance with the following methods:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{particulate matter emissions rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

$$\text{Tons Per Year} = E \times (8760 \text{ hr/yr}) \times (0.0005 \text{ ton/lb})$$

Emission Limitation:
Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except for a period of six consecutive minutes in any sixty minute period. Visible particulate emissions shall not exceed sixty percent opacity, as a six-minute average, at any time..

Applicable Compliance Method:
Compliance with the visible emissions limitation in A.1. shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9, if required, pursuant to OAC 3745-17-03 (B)(4). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).
- F. Miscellaneous Requirements**

1. None