

Facility ID: 1431073917 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: 1431073917 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 Spray Booth for Surface Coating of Miscellaneous Metal Parts	OAC rule 3745-31-05 (PTI 14-4472)	109.4 lbs/day of volatile organic compounds (VOC), including emissions from cleanup materials; 0.38 TPY of VOC, including emissions from cleanup material; 0.55 lb/hr of particulate emissions (PE); 0.55 lb/hr of particulate emissions less than 10 microns in diameter (PE-10); 2.4 TPY of PE; 2.4 TPY of PE-10
	OAC rule 3745-21-09(U)(1)(c)	See A.2.b.
	OAC rule 3745-17-07(A)(1)	See A.2.a. Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1)	The emission limitation established by this rule is less stringent than those established by OAC rule 3745-31-05.

2. **Additional Terms and Conditions**
 - (a) The VOC content of all coatings employed shall not exceed 3.5 pounds per gallon, excluding water and exempt solvents, as applied, based upon a daily, volume-weighted average. The VOC content of each cleanup material shall not exceed 7.25 pounds per gallon.

B. Operational Restrictions

1. The amount of coatings employed shall not exceed 24 gallons per day and 135 gallons per year.
2. The amount of cleanup materials employed shall not exceed 3.5 gallons per day and 40.5 gallons per year.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a daily basis for the purpose of determining the daily, volume-weighted average VOC content for all coatings employed in this emissions unit:
 - a. The name and identification number of each coating employed.
 - b. The VOC content of each coating, as applied, in pounds per gallon of coating, excluding water and exempt solvents.
 - c. The number of gallons of each coating employed, excluding water and exempt solvents.
 - d. The daily, volume-weighted average VOC content, as applied, for all coatings. The daily, volume-weighted average shall be calculated by first multiplying the VOC content from (b) by the usage amount (c) for all coatings employed during that day. The summation of these values should then be divided by the total gallons of coatings, excluding water and exempt solvents, employed during that day.
2. The permittee shall collect and record the following information on a daily basis for the purpose of determining the daily emissions:

- a. The name and identification number of each cleanup material employed.
 - b. The VOC content of each cleanup material, in pounds per gallon.
 - c. The number of gallons of each cleanup material.
 - d. The total daily VOC emissions including coatings, in pounds [summation of $\{(C.1.b \times C.1.c) + (C.2.b \times C.2.c)\}$].
3. The permittee shall collect and record, on an annual basis, the total VOC emissions from all coatings and cleanup materials, in tons (summation of C.2.d for each calendar year and divided by 2000 lbs/ton).
- D. Reporting Requirements**
1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the daily, volume-weighted average VOC content limitation or daily VOC emission limitation has been exceeded. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
 2. The permittee shall submit deviation (excursion) reports that identify any exceedance of the daily coating and cleanup material usage limitations specified in terms and conditions B.1 and B.2. The actual material usage rate for each such day shall be included in the deviation report. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
 3. The permittee shall submit annual reports that identify the total VOC emissions, in tons, and the total usage of coatings and cleanup materials, in gallons, for each calendar year. Each report shall be submitted to the Hamilton County Department of Environmental Services by January 31 for the preceding calendar year.
- E. Testing Requirements**
1. Compliance with OAC rule 3745-17-07(A)(1) shall be determined by the method specified in OAC rule 3745-17-03 (B)(1).
 2. Compliance with the hourly PE and PE-10 limitations shall be determined by the following equation or, if required, by stack testing using Method 5 of 40 CFR, Part 60, Appendix A for PE, and Method 201 of 40 CFR, Part 51, Appendix M for PE-10:

$$\text{lbs/hr of PE or PE-10} = \text{weight of a gallon of coating (lbs/gal)} \times \text{weight fraction of solids in the coating} \times \text{maximum number of gallons of coating employed per hour} \times (1 - \text{TE}) \times (1 - \text{CE})$$

where TE is the transfer efficiency of the spray booth and
CE is the control efficiency of the particulate emission control device.

Compliance with the annual PE and PE-10 limitations is ensured if compliance is maintained with the hourly PE and PE-10 limitations.
 3. Compliance with the VOC content and daily VOC emission limitations shall be determined by the record keeping performed pursuant to terms and conditions C.1 and C.2.
 4. USEPA Methods 24 and 24A shall be used to determine the VOC content for (a) coatings and (b) flexographic and rotogravure printing lines and related coatings, respectively. If, pursuant to section 4.3 of Method 24, 40 CFR, Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A. Formulation data or Method 24 or 24A shall be used to determine the VOC content of any cleanup material.
 5. Compliance with the annual VOC emission limitation shall be determined by the record keeping performed pursuant to term and condition C.3.
- F. Miscellaneous Requirements**
1. None