

Facility ID: 1409040876 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: 1409040876 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>
Misc. metal parts and products coating line for aerospace parts	OAC rule 3745-31-05 (PTI 14-4608)	2.41 tons per year (TPY) of PM/PM10 See section A.2. below.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	0.551 lb/hr of PM/PM10
	OAC rule 3745-21-09(U)(1)	Exempt pursuant to OAC rule 3745-21-09(U)(2)(f)(ii)

2. **Additional Terms and Conditions**
 - (a) The maximum volatile organic compound (VOC) emissions shall not exceed 25.25 lbs/day and 4.3 TPY, including cleanup material.
The VOC content of each coating employed shall not exceed 6.0 pounds of VOC per gallon of coating, excluding water and exempt solvents, as applied.
The VOC content of cleanup materials shall not exceed 7.25 lbs of VOC per gallon.

B. Operational Restrictions

1. The maximum daily coating usage shall not exceed 3 gallons.
2. The maximum daily cleanup material usage shall not exceed one gallon.
3. The maximum annual coating usage shall not exceed 980 gallons.
4. The maximum annual cleanup material usage shall not exceed 365 gallons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following:
 - a. The company name and identification number of each coating employed.
 - b. The VOC content of each coating, as applied, in pounds/gallon.
 - c. The VOC content of each coating, as applied, in pounds/gallon of coating, excluding water and exempt solvents.
 - d. The number of gallons of each coating employed.
 - e. The company name and identification of each cleanup material employed.
 - f. The VOC content of each cleanup material, in pounds/gallon.
 - g. The number of gallons of each cleanup material employed.
 - h. The total VOC emission rate for all coatings and cleanup materials, in pounds/day {i.e., summation of [(b x d) + (f x g)] for each coating and cleanup material}.
 - i. The total number of gallons of all coatings employed.

- j. The total number of gallons of all cleanup materials employed.
 2. The permittee shall maintain monthly summary records of coating and cleanup material usages, in gallons, and the VOC emissions, in tons.
- D. Reporting Requirements**
1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing:
 - a. the use of noncomplying coatings or cleanup materials (i.e., for VOC content);
 - b. an exceedance of the applicable maximum daily coating or cleanup materials usage limits; and
 - c. an exceedance of the daily VOC emission limitation.

The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30-days after the exceedance.
 2. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit and the total of coating and cleanup material usages for the previous calendar year. This report shall be submitted by February 15 of each year.
- E. Testing Requirements**
1. Compliance with the annual VOC emission limitation shall be determined by summing the monthly VOC emissions recorded pursuant to Section C.2. of these Terms and Conditions for the calendar year.
 2. Compliance with the PM/PM10 emission limits shall be determined in accordance with the following equation:
$$\text{PM/PM10 emissions/hr} = \text{Coating usage rate (gallons/hr)} \times \text{solids content of coating by weight (lb solids/lb coating)} \times \text{coating density (lbs coating/gallon of coating)} \times (1 - \text{TE}) \times (1 - \text{CE})$$

Where
TE = fractional transfer efficiency (0.35); and
CE = fractional control efficiency (0.90).

Compliance with the annual PM/PM10 emission limitation is ensured if compliance with the hourly PM/PM10 emission limitation is maintained (the annual PM/PM10 emission limitation was determined by multiplying the hourly PM/PM10 emission limitation by 8,760 hours/year and dividing by 2000 lbs/ton).
 3. Compliance with the VOC content limitations shall be determined using the records maintained pursuant to Section C.1. of these Terms and Conditions.

USEPA method 24 shall be used to determine the VOC content for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR, Part 60, Appendix A, an owner or operator 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.
 4. Compliance with the visible particulate emission limitation shall be determined by Method 9 as specified in OAC rule 3745-17-03(B)(1).
 5. Compliance with the operational restrictions shall be determined by the record keeping pursuant to Section C. of these Terms and Conditions.
- F. Miscellaneous Requirements**
1. None