

Facility ID: 0125042359 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: 0125042359 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 #1 | OAC rule 3745-31-05 (PTI No. 01-6840) | Volatile organic compound (VOC) emissions shall not exceed 10.0 pounds per hour. |
| | | VOC emissions shall not exceed 2.88 tons per year from all coatings. |
| | | VOC emissions shall not exceed 0.63 ton per year from all cleanup materials. |
| | | VOC content of each coating employed shall not exceed 8.0 pounds per gallon, excluding water and exempt solvents. |
| | | VOC content of each cleanup material employed shall not exceed 7.0 pounds per gallon. |
| | | Particulate emissions shall not exceed 2.41 tons per year. |
| | | See Section B below. |
| OAC rule 3745-17-11(B)(1) | Particulate emissions shall not exceed 0.551 pound per hour. | |
| OAC rule 3745-17-07(A) | Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule. | |
| OAC rule 3745-21-09(U) | None. Exempt from the emission limitation(s) in OAC rule 3745-21-09(U)(1) pursuant to OAC rule 3745-21-09(U)(2)(c). | |

2. Additional Terms and Conditions

- (a) The 10.0 pounds of VOC per hour emission limitation specified in Section A.1 represents the potential to emit for this emissions unit; therefore, there are no record keeping or reporting requirements associated with this emission limitation.

B. Operational Restrictions

1. The permittee shall ensure that all inlet and outlet filters are in place and operating correctly at all times that this emissions unit is in use.
2. All coating or solvent cleaning operations causing air emissions, including operations outside of the spray booth, shall occur only when the exhaust fans of the spray booth are operating.
3. Minimum recovery rate for the cleanup materials shall be at least 95%.
4. The permittee shall not employ more than 60 gallons of coatings per month.

5. The permittee shall not employ more than 30 gallons of cleanup materials per month.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall collect and record the following information each month:
 - a. The name and identification number of each coating employed.
 - b. The number of gallons of each coating employed.
 - c. The VOC content of each coating, as applied, in pounds per gallon.
 - d. The total number of gallons of all coatings employed.
 - e. The name and identification of each cleanup material employed.
 - f. The number of gallons of each cleanup material employed.
 - g. The VOC content of each cleanup material, in pounds per gallon.
 - h. The total number of gallons of all cleanup materials employed.
 - i. The total VOC emissions, in pounds per month, from all coatings (i.e., the summation of (b)x(c) for each coating employed).
 - j. The total VOC emissions, in pounds per month, from all cleanup materials (i.e., the summation of (f)x(g)x(1-l)) for each cleanup material employed).
 - k. The total number of gallons of cleanup materials recovered.
 - l. The cleanup material recovery rate for all cleanup materials employed (i.e., (k)/(h)).
- D. Reporting Requirements**
1. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any monthly record showing an exceedance of the following:
 - a. The coating usage limitation.
 - b. The cleanup material usage limitation.
 - c. The coating VOC content limitation.
 - d. The cleanup material VOC content limitation.
 - e. The minimum cleanup material recovery rate.

The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 45 days after the exceedance occurs.
 2. The permittee shall also submit annual reports which specify the total VOC and particulate 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(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:
VOC emissions shall not exceed 10.0 pounds per hour.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum allowable VOC content of the coatings (8.0 lbs of VOC/gallon) by the emissions unit's maximum hourly coating usage rate (1.25 gallons/hr).

Emission Limitation:
VOC emissions shall not exceed 2.88 tons per year from all coatings.

Applicable Compliance Method:
Compliance shall be determined based upon the records required pursuant to Section C.1.i.

Emission Limitation:
VOC emissions shall not exceed 0.63 ton per year from all cleanup materials.

Applicable Compliance Method:
Compliance shall be determined based upon the records required pursuant to Section C.1.j.

Emission Limitations:
VOC content of each coating employed shall not exceed 8.0 pounds per gallon, excluding water and exempt solvents. VOC content of each cleanup material employed shall not exceed 7.0 pounds per gallon.

Applicable Compliance Method:
OAC rule 3745-21-10(B). USEPA Method 24 shall be used to determine the VOC contents for the coatings and cleanup materials. 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.

Emission Limitations:
Particulate emissions shall not exceed 0.551 pound per hour and 2.41 tons per year.

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

$$E = (M) * (1-TE) * (1-CE)$$

where:

E = particulate matter emission rate (lbs/hr),

M = maximum coating solids usage rate (lbs/hr),

TE = transfer efficiency of coating equipment (ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used, 0.40),

CE = control efficiency of the control equipment (98% for the filters).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

Compliance with the annual particulate emission limitation shall be determined by multiplying the actual worst case pound per hour emission rate from above by 8,760 hours per year and dividing by 2,000 pounds per ton.

Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed 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