

Facility ID: 0228000284 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: 0228000284 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>
large spray booth for miscellaneous metal parts	OAC rule 3745-17-11(B)	The particulate emissions from this emissions unit shall not exceed 0.551 pound per hour.
	OAC rule 3745-17-07(A)(1)	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 3745-21-09(U)(1)(c)	3.5 pounds of Volatile Organic Compounds (VOC) per gallon of coating, excluding water and exempt solvents, for an extreme performance coating.
	OAC rule 3745-31-05(A)(3) (PTI No. 02-15024)	The VOC emissions from this emissions unit shall not exceed 3.20 pounds per hour and 14.02 tons per year, including cleanup materials.
		The particulate emissions from this emissions unit shall not exceed 2.41 tons per year.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11 (B) and 3745-21-09 (U)(1)(c).
		There shall be no visible particulate emissions from any stack associated with this emissions unit.
		See section A.2.a of these terms and conditions.

2. **Additional Terms and Conditions**
 - (a) The permittee shall use filters to control the particulate emissions generated from operating this emissions unit.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain the filters while the emissions unit is in operation. The filters shall be installed, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall check the condition of filters on a weekly basis and note the results in an operation log.
2. 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, as applied.
 - b. The VOC content of each coating (excluding water and exempt solvents) and cleanup material, as applied.
 - c. The number of gallons of each coating and cleanup material employed, in gallon per day.

- d. The VOC emissions from each coating and cleanup material, in pounds per day.
 - e. The total VOC emissions from all coatings and cleanup materials, in pounds per day.
 - f. The total operation hours, in hours per day.
 - g. The average hourly VOC emissions for all coatings and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which the average hourly VOC emissions from this emissions unit exceed 3.20 pounds per hour, and actual average hourly VOC emissions for each such day.

The quarterly deviation (excursion) reports shall be submitted in accordance with section 3 of General Terms and Conditions.
2. The permittee shall also submit deviation (excursion) reports that identify each day during which the VOC content for coatings applied in this emissions unit exceeded 3.5 pounds VOC per gallon, excluding water and exempt solvents, and the actual VOC content for each such coating.

Per OAC rule 3745-21-09 (B)(3)(g), these reports shall be submitted within 30 days following the end of the calendar month.

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 method(s):
 - a. Emission Limitation:
3.20 pounds per hour of VOC

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping requirements specified in Section C.2 of these terms and conditions.
 - b. Emission Limitation:
0.551 pound per hour of particulate emissions

Applicable Compliance Method:
To determine the actual worst case particulate emissions rate (E), the following equation shall be used for the paint spraying operation:

$$E = CS \times (1 - TE) \times (1 - CE)$$

Where,
E = particulate emissions rate, in pounds per hour
CS = 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 coating solids used (80%, per AP - 42 Section 4.2.2.4)
CE = control efficiency of the control equipment (assumed to be 90%)

If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to OAC rule 3745-17-03 (B)(10).
 - c. Emission Limitation:
3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for an extreme performance coating.

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping requirements specified in Section C.2 of these terms and conditions.
 - d. Emission Limitation:
14.02 tons per year of VOC
2.41 tons per year of PE

Applicable Compliance Method:
The tons per year limitations were developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - e. Emission Limitation:
0% opacity as a 6 minute average from stack

Applicable Compliance Method:
Compliance shall be determined in accordance with the test method and procedures in US EPA Method 9 of 40 CFR Part 60, Appendix A.
2. Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings and cleanup materials.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the

composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.