

Facility ID: 0634000006 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: 0634000006 Emissions Unit ID: R003 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>
Spary Booth - Midwest Postforming Countertop Line # 2	OAC rule 3745-31-05 (A)(3) PTI# 17-337 (1/23/86)	Emissions of volatile organic compounds (VOC) shall not exceed 7.62 TPY.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07 (G)(2). See A.2.a. below.
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-11(B)(1) Table 1	Particulate emissions shall not exceed 0.551 lb/hr; 2.41 TPY
	OAC rule 3745-17-07(A)	See B.1. below. Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as specified by rule.

2. **Additional Terms and Conditions**
  - (a) The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit.

**B. Operational Restrictions**

1. The permittee shall use the dry filtration system on the emissions unit's exhaust outlet when the emissions unit is in operation.

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month:
  - a. The name and identification of each coating and cleanup material employed.
  - b. The VOC content of each coating and cleanup material, in pounds per gallon.
  - c. The number of gallons of each cleanup material employed.
  - d. The number of gallons (excluding water and exempt solvents) of each coating employed.
  - e. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.
2. The permittee shall maintain monthly records that identify each liquid organic material employed in this emissions unit and whether or not it is a photochemically reactive material.
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

**D. Reporting Requirements**

1. The permittee shall notify the Ohio EPA, Southeast District Office in writing of any monthly record showing the use of noncomplying coatings (i.e photochemically reactive material). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Southeast District Office within 30 days following the end of the calendar month.

2. The permittee shall also submit annual reports that 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.
3. The permittee shall notify the Ohio EPA Southeast District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Southeast District Office within 30 days after the event occurs.

**E. Testing Requirements**

1. Emission Limitation:  
7.62 TPY VOC  
  
Compliance Method:  
Compliance with the annual VOC emission limitation shall be demonstrated by the record keeping in Section C.1. of this permit.

2. Emission Limitations:  
Particulate emissions shall not exceed 0.551 lb/hr and 2.41 TPY.  
  
Applicable Compliance Method:  
To determine the actual worst case emission rate for particulates, the following equation may be used:

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

where:

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

M = maximum coating solids usage rate (lb/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, 0.65 for HVLP spray guns),

CE = control efficiency of the control equipment (90% for panel filters; assume 90% for water wash unless manufacturer's data available). If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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 TPY PM emission limitation shall be determined by multiplying the pound per hour emission rate by 8760 hours per year and 0.0005 ton per pound.

3. Emission Limitation:  
20% opacity as a six-minute average, except as specified by rule  
  
Applicable Compliance Method:  
Compliance with the visible particulate emission limitations shall be determined using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 and the procedures specified in (B)(3)(b) of OAC rule 3745-17-03(B)(1).

**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.