

Facility ID: 1318007502 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: 1318007502 Emissions Unit ID: K002 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 the coating of metal motor parts controlled by dry filters.	OAC rule 3745-31-05(A)(3) PTI # 13-03705	VOC emissions shall not exceed 3.6 tons/yr. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(2).
	OAC rule 3745-21-09(U)(2)(e)(ii)	The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit. As long as the permittee never employs more than 3 gallons/day, this emissions unit is exempt from the emission limitation specified in this rule.

2. **Additional Terms and Conditions**
  - (a) None

**B. Operational Restrictions**

1. The permittee shall employ acetone as the cleanup material.
2. The permittee shall operate the dry filters 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 day for the coating line:
  - the name and identification number of each coating employed, as applied;
  - the volume, in gallons, of each coating employed, as applied;
  - the total volume, in gallons, of all the coatings employed, as applied; and
  - the VOC content of each coating, in pounds VOC per gallon.
2. The permittee shall collect and record the following information each day for this emissions unit:
  - whether or not the dry filters were in service when the emissions unit is in operation.
3. The permit to operate for this emissions unit K002 was evaluated based on the actual materials (coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Isopropyl alcohol

TLV (mg/m3): 983,100

Maximum Hourly Emission Rate (lbs/hr): 0.55

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,724

MAGLC (ug/m3): 23,407

4. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:  
changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;  
changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and  
physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
  5. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.
  6. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"  
a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);  
documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and  
where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application.
- D. Reporting Requirements**
1. The permittee shall notify the Director [Cleveland Bureau of Air Pollution Control (CBAPC)] in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (CBAPC) within 45 days after the exceedance occurs.
  2. The permittee shall notify the Director (CBAPC) in writing of any record showing that the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such records and shall be sent to the Director (CBAPC) within 30 days after the event occurs.
- E. Testing Requirements**
1. Compliance with the emission limitation and the operational restrictions of these terms and conditions shall be determined in accordance with the following methods:  
Operational Restriction:  
The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.  
  
Applicable Compliance Method:  
Record keeping as stated in section C.1.  
Emission Limitation:  
3.6 TPY of VOC  
  
Applicable Compliance Method:  
Compliance shall be determined by calculating the maximum VOC content times the maximum number of gallons employed per day (i.e., C.1.b. x C.1.d.), times 365 days/year and divided by 2000 lbs/ton to arrive at the ton per year limit.
- F. Miscellaneous Requirements**
1. None