

Facility ID: 0387040295 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: 0387040295 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>
K002 - 5 Automotive Paint Repair Bays	OAC rule 3745-31-05(A)(3) (PTI #03-16355, issued 3/6/2007)	41 lbs organic compounds (OC)/day and 7.48 tons OC/yr
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(iii)
	OAC rule 3745-21-09(U)(2)(e)(iii)	OC emission exemption, based on maximum daily coating usage not exceeding 10 gallons of coating in any one day

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

**B. Operational Restrictions**

1. None

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

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The name and identification number of each coating employed;
  - b. The volume, in gallons, of each coating employed;
  - c. The total volume, in gallons of all of the coatings employed;
  - d. The organic compound (OC) content of each coating employed, in lbs/gallon, as applied;
  - e. The OC emissions rate for each coating employed (b. x d. for each coating employed); and
  - f. The total OC emissions rate for all coatings, in lbs/day (sum of e.).
2. The permit to install for this emission unit was evaluated based on the actual materials and the design parameters of the emissions unit 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 the emissions units using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved 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: Toluene

TLV (mg/m3): 188.4

Maximum Hourly Emission Rate (lbs/hr): 2.40768

Predicted 1-Hour Maximum Ground-Level Concentration (g/m3): 2394

MAGLC ( g/m3): 4485.8

Pollutant: Xylene

TLV (mg/m3): 434

Maximum Hourly Emission Rate (lbs/hr): 7.4112

Predicted 1-Hour Maximum Ground-Level Concentration (g/m3): 7368

MAGLC ( g/m3): 10,337.9

3. 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:

a. changes in the composition of the materials used (typically for coatings), 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;

b. 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

c. 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.).

4. 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 solely due to the emissions of any type of air toxic contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

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. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

**D. Reporting Requirements**

1. The permittee shall notify the Director, (Ohio EPA's Northwest District Office), 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 (Ohio EPA's Northwest District Office) within 45 days after the exceedance occurs.
2. In accordance with the General Terms and Conditions of this permit, the permittee shall submit deviation (excursion) reports which identify any exceedances of the 41 lbs of OC/day from the use of coatings.

**E. Testing Requirements**

1. Compliance with the emissions limitations in this permit to install shall be determined in accordance with the following methods:

a. Emission Limitation: 41 lbs OC/day

Applicable Compliance Method:

Compliance shall be determined based upon the Record Keeping requirements specified in section C.1. of this permit.

b. Emission Limitation: 7.48 tons OC/yr

Applicable Compliance Method:

The annual emission limitation was established by multiplying the daily OC emission limitation by the maximum operating schedule of 365 days/year and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the daily limitation, compliance with the annual limitation will be assumed.

c. Emission Limitation: Coating usage shall not exceed 10 gallons of coating in any one day.

Applicable Compliance Method:

Compliance with this limitation shall be based on Record Keeping requirements contained in section C.1. of this permit.

**F. Miscellaneous Requirements**

1. None