

Facility ID: 0123000238 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.

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[Go to Part II for Emissions Unit K002](#)

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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>
small dip tank, coating of misc. metal parts	OAC rule 3745-21-09 (U)(2)(e)	coating usage shall not exceed ten gallons per day
	OAC rule 3745-31-05 (A)(3)	3.57 lbs volatile organic compounds (VOC)/hr, 3.75 tons VOC/year, including emissions from cleanup materials

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 the coating line:
 - 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.
2. The permittee shall collect and record the following information for the purpose of determining annual VOC emissions:
 - a. The name and identification of each cleanup material employed.
 - b. The number of gallons of each cleanup material employed.
 - c. The VOC content of each cleanup material, in pounds per gallon.
 - d. The VOC content of each coating, as applied, in pounds per gallon.
 - e. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employed 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 (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall submit annual reports that summarize the actual annual VOC emissions for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
Emission Limitation: coating usage shall not exceed ten gallons per day

Applicable compliance method: The record keeping in Section C.1 of this permit shall be used to determine compliance with the above coating usage restriction.
Emission Limitation:
3.57 lbs VOC/hr

Applicable Compliance Method: Compliance with the hourly VOC emission limitation shall be determined as follows:

a. multiply the maximum coating usage rate (gallons/hr) by the maximum VOC content of all coatings (lbs VOC/gallon of coating);

b. multiply the maximum cleanup material usage rate (gallons/hr) by the maximum VOC content of all cleanup materials (lbs VOC/gallon of cleanup material); and

c. add (1.a + 1.b).
Emission Limitation:
3.75 tons VOC/year

Compliance shall be based upon the record keeping requirements specified in section C.2 of this permit.
 2. Formulation data or USEPA Method 24 shall be used to determine the VOC content of the coatings.
- F. Miscellaneous Requirements**
1. This permit allows the use of the coatings and cleanup materials specified by the permittee in the application for this PTI. In conjunction with the best available technology requirements of OAC rule 3745-31-05, the hourly VOC emission limitations specified in the permit were established in accordance with the Ohio EPA's "Air Toxics Policy" and are based on both the coating and cleanup material formulation data and the design parameters of the emissions unit's exhaust system, as specified in the application. Compliance with the "Ohio EPA's "Air Toxic Policy" was demonstrated for each pollutant based on the ISCST3 model and a comparison of the predicted 1-hour maximum ground level concentration to the MAGLC. The following summarizes the results of the modeling for each pollutant:

Pollutant: Xylene

TLV (mg/m3): 434,000
Maximum Hourly Emission Rate (lbs/hr): 0.97
Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):46.72
Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 10,333
 2. Any of the following changes may be deemed a "modification" to the emissions unit and, as such, prior notification to and approval from the Ohio EPA Central District Office is required, including the possible issuance of modifications to this permit:
 - a. any changes in the composition of the coatings or cleanup materials, or the use of new coatings or cleanup 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 specified in the above table;
 - b. any change to the emissions unit or its exhaust parameters (e.g., increased emission rate, reduction of exhaust gas flow rate, and decreased stack height) that would result in an exceedance of the MAGLC specified in the above table;
 - c. any change to the emissions unit or its method of operation that would either require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01;
 - d. any change in the composition of the coatings or cleanup materials, or use of new coatings or cleanup materials, that would result in the emission of any of the exempted organic compounds included in the definition of "VOC" [OAC rule 3745-21-01 (B)(6)]; and,
 - e. any change in the composition of the coatings or cleanup materials, or use of new coatings or cleanup materials, that would result in an increase in emissions of an "Hazardous Air Pollutants" (HAPS) as defined in OAC rule 3745-77-01 (V).

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Part II - Special Terms and Conditions

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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 dip tank, coating of misc. metal parts	OAC rule 3745-21-09 (U)(2)(e)	coating usage shall not exceed ten gallons per 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 the coating line:
 - 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. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employed 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 (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

Emission Limitation: coating usage shall not exceed ten gallons per day

Applicable compliance method: The record keeping in Section C.1 of this permit shall be used to determine compliance with the above coating usage restriction.

F. Miscellaneous Requirements

1. None