Facility ID: 1431224051 Issuance type: Final State Permit To Operate

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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: 1431224051 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
miscellaneous metal parts coating line	OAC rule 3745-31-05(A)(3) (PTI 14-4868)	189.7 lbs of volatile organic compounds (VOC)/day 13.2 tons per year (TPY) of VOC The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
	OAC rule 3745-31-05(D) (PTI 14-4868)	See terms and conditions A.2.c and C.2 below.
	OAC rule 3745-21-09(U)(1)(c)	See term and condition A.2.a below.

2. **Additional Terms and Conditions**

   (a) The VOC content of any coating employed in this emissions unit shall not exceed 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents.
   The VOC content of any cleanup material employed in this emissions unit shall not exceed 7.36 pounds of VOC/gallon.
   The total allowable usage of hazardous air pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from this facility shall not exceed 9.9 TPY for any single HAP and 24.9 TPY for any combination of HAPs. Compliance with the above limitations shall be based on a rolling, 12-month summation.

B. **Operational Restrictions**

1. The maximum coating usage for this emissions unit shall not exceed 50 gallons per day and 7,000 gallons per year.

2. The maximum cleanup material usage for this emissions unit shall not exceed 2 gallons per day and 250 gallons per year.

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 and cleanup material, as applied;

   b. the VOC content of each coating, as applied, in pounds per gallon, excluding water and exempt solvents;

   c. the VOC content of each coating, as applied, in pounds per gallon, including water and exempt solvents;

   d. the VOC content of each cleanup material, in pounds per gallon;

   e. the number of gallons of each coating employed, including water and exempt solvents;

   f. the number of gallons of each cleanup material employed;

   g. the total VOC emissions from all coatings and cleanup materials, in pounds {the summation of [(c x e) for all coatings + (d x f) for all cleanup materials]}; and

   h. the total number of gallons of all coatings employed (summation of (e) for all coatings) and the total number

of gallons of all cleanup materials employed (summation of (f) for all cleanup materials).

2. The permittee shall collect and record the following information each calendar year for this emissions unit:

a. the total number of gallons of all coatings employed (summation of C.1.h for all coatings);

b. the total number of gallons of all cleanup materials employed (summation of C.1.h for all cleanup materials); and

c. the total VOC emissions from all coatings and cleanup materials, in tons (summation of C.1.g for the calendar year and divided by 2,000 lbs/ton).

3. The permittee shall collect and record the following information each month for the entire facility:

a. the name and identification number of each coating employed;

b. the individual HAP* content for each HAP of each coating, in pounds of individual HAP per gallon of coating, as applied;

c. the total combined HAP content of each coating, in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

d. the number of gallons of each coating employed;

e. the name and identification of each cleanup material employed;

f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;

g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];

h. the number of gallons of each cleanup material employed;
i. the total individual HAP usage for each HAP from all coatings and cleanup materials employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material (and divided by 2,000 lbs/ton if the units are in tons)];

j. the total combined HAP usage from all coatings and cleanup materials employed, in pounds or tons per month [the sum of (c) times (d) for each coating plus the sum of (g) times (h) for each cleanup material (and divided by 2,000 lbs/ton if the units are in tons)];

k. the updated rolling, 12-month summation of usage for each individual HAP emissions**, in tons (This shall include the information for the current month and the preceding eleven calendar months.); and

l. the updated rolling, 12-month summation of usage for total combined HAP emissions**, in tons (This shall include the information for the current month and the preceding eleven calendar months.).

* A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Hamilton County Department of Environmental Services contact. This information does not have to be kept on an individual emissions unit basis.

** This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporate(s).

D. **Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing the use of noncomplying coatings or cleanup materials or exceedances of the coating and/or cleanup material usage limits. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month HAP emission limitations of 9.9 tons and 24.9 tons for any single HAP and combination of HAPs, respectively.

All quarterly deviation reports shall be submitted in accordance with Part A.1.c of the General Terms and Conditions.

3. The permittee shall submit annual reports that summarize the annual coating and cleanup material usages, VOC emissions and HAP emissions for the calendar year. The reports shall be submitted by January 31 of each year.

E. **Testing Requirements**

1. Compliance with the emission limitations and material usage limitations specified in Sections A and B shall be determined in accordance with the following methods:

a. VOC Content Limitations: 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents; 7.36 pounds of VOC per gallon of cleanup material

Applicable Compliance Method: Compliance with the VOC content limitation for coatings shall be based upon the record keeping requirements specified in Section C.1. In accordance with OAC rule 3745-21-04(B)(5), U.S. EPA Method 24 shall be used to determine the VOC content of the coatings. If, pursuant to Section 4.3 of Method 24, 40 CFR, Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the U.S. EPA and shall use formulation data for that coating to demonstrate compliance until the U.S. EPA provides alternative analytical procedures or alternative precision statements for Method 24. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of any cleanup material.

b. Material Usage Limitations: 50 gallons per day for coatings; 2 gallons per day for cleanup materials

Applicable Compliance Method: Compliance with the daily material usage limitations shall be determined by the record keeping performed pursuant to Section C.1.

c. Material Usage Limitations: 7,000 gallons per year for coatings; 250 gallons per year for cleanup materials

Applicable Compliance Method: Compliance with the material usage limitation shall be determined by the record keeping performed pursuant to Section C.2.
d. VOC Emission Limitation: 189.7 lbs of VOC/day; 13.2 tons of VOC/year.

Applicable Compliance Method: Compliance with the daily VOC emission limitation shall be determined by the record keeping performed pursuant to Section C.1. Compliance with the annual VOC emission limitation shall be determined by the record keeping performed pursuant to Section C.2.c. In addition, compliance with the annual VOC emission limitation is ensured if compliance is maintained with the daily material usage limitations and VOC content limitations for coatings and cleanup materials.

e. HAP Emission Limitations: 9.9 TPY of any single HAP; 24.9 TPY of any combination of HAPs

Applicable Compliance Method: Compliance with the HAP emission limitations shall be determined by the record keeping performed pursuant to Section C.3.

F. **Miscellaneous Requirements**

1. None