

Facility ID: 1431074032 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: 1431074032 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
metal and non-metal parts paint spray booth no. 1	OAC rule 3745-31-05(A)(3) (PTI 14-4802)	18.6 lbs of organic compound (OC) emissions/day and 2.5 tons per year (TPY) of OC emissions, from the use of coatings for metal parts; 13.1 lbs of OC emissions/day from the use of cleanup materials; 2.1 TPY of OC emissions from the use of coatings for non-metal parts; 5.8 TPY of OC emissions overall
	OAC rule 3745-21-07(G)(2)	See A.2. 8 lbs/hr and 40 lbs/day of OC from the use of coatings for non-metal parts
	OAC rule 3745-21-09(U)(1)	Exempt pursuant to OAC rule 3745-21-09(U)(2)(e)(ii). See Term B.3.

**2. Additional Terms and Conditions**

- (a) The OC content, as applied, of each coating employed for metal parts in this emissions unit shall not exceed 6.2 pounds of OC per gallon of coating, excluding water and exempt solvents.  
The OC content, as applied, of each coating employed for non-metal parts in this emissions unit shall not exceed 5.95 pounds of OC per gallon of coating, excluding water and exempt solvents.  
The OC content of each cleanup material employed in this emissions unit shall not exceed 6.55 pounds of OC per gallon of cleanup material.  
Compliance with OAC rule 3745-31-05(A)(3) shall be determined by the coatings and cleanup material usage limitations, the OC content limitations and emission limitations.

**B. Operational Restrictions**

1. When coating non-metal parts, the coating usage shall not exceed 6.7 gallons per day and 700 gallons per year.
2. The cleanup material usage shall not exceed 2 gallons per day and 360 gallons per year.
3. When coating metal parts, the coating usage shall not exceed 3 gallons per day and 800 gallons per year.
4. The use of cleanup materials containing any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

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

1. The permittee shall maintain the following daily records for all coatings employed when coating non-metal parts:
  - a. the company identification for each coating employed;
  - b. the total volume, in gallons, of each coating employed, as applied, excluding water and exempt solvents;
  - c. the total volume, in gallons, of all coatings employed;
  - d. the OC content of each coating, in pounds per gallon, as applied, excluding water and exempt solvents,
  - e. the total OC emission rate for all coatings [summation of (b x d) for all coatings], in pounds per day;

- f. the total number of hours the emissions unit was in operation; and,
  - g. the average hourly OC emission rate for all coatings employed to paint non-metal parts (e/f), in pounds per hour (average).
2. The permittee shall maintain the following daily records for all coatings employed when coating metal parts:
  - a. the company identification for each coating employed;
  - b. the total volume, in gallons, of each coating employed, as applied, excluding water and exempt solvents;
  - c. the total volume, in gallons, of all coatings employed;
  - d. the OC content of each coating, in pounds per gallon, as applied, excluding water and exempt solvents; and,
  - e. the total OC emission rate for all coatings employed, in pounds per day (b x d).
3. The permittee shall maintain the following daily records for all cleanup material employed:
  - a. the company identification for each organic cleanup material employed;
  - b. documentation on whether or not the organic cleanup material is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5);
  - c. the total volume, in gallons, of each cleanup material employed;
  - d. the total volume, in gallons, of all cleanup materials employed;
  - e. the OC content of each cleanup material, in pounds per gallon, as applied; and,
  - f. the total OC emission rate for all organic cleanup materials employed (c x e), in pounds per day.
4. The permittee shall maintain the following annual records for all coatings and cleanup materials:
  - a. The total OC emissions for all coatings employed when coating non-metal parts, in tons [summation of C.1.e for all days of the calendar year and divided by 2,000 lbs/ton].
  - b. The total OC emissions for all coatings employed when coating metal parts, in tons [summation of C.2.e for all days of the calendar year and divided by 2,000 lbs/ton].
  - c. The total OC emissions for all coatings and cleanup materials employed, in tons [summation of C.4.a plus C.4.b plus the summation of C.3.f for all days of the calendar year and divided by 2,000 lbs/ton].
  - d. The total volume, in gallons, of all coatings employed when coating non-metal parts [summation of C.1.c for all days of the calendar year].
  - e. The total volume, in gallons, of all coatings employed when coating metal parts [summation of C.2.c for all days of the calendar year].
  - f. The total volume, in gallons, of all cleanup materials employed [summation of C.3.d for all days of the calendar year].

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that contain the following:
  - a. an identification of each day during which a non-metal part was coated and the average hourly OC emissions from the coatings exceeding 8 pounds per hour, and the actual average OC emissions for each such day;
  - b. an identification of each day during which a non-metal part was coated and the OC emissions from the coatings exceeding 40 pounds per day, and the actual OC emissions for each such day;
  - c. an identification of each day during which the average OC emissions from the organic cleanup material exceeded 13.1 pounds per day, and the average OC emissions for each such day; and
  - d. an identification of each day during which metal parts were coated and the OC emissions from such coatings exceeded 18.6 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the coating line employed more than the applicable maximum daily coating or cleanup material usage limit. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
3. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any record showing the use of any noncomplying coating or cleanup material (i.e., for OC content). The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the use of such coating or cleanup material occurs.
4. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services that summarize the following:
  - a. the total OC emissions, in tons, from this emissions unit from the use of coatings for metal parts for the previous calendar year;
  - b. the total OC emissions, in tons, from this emissions unit from the use of coatings for non-metal parts for the previous calendar year;

- c. the total OC emissions from this emissions unit for the previous calendar year;
  - d. the total number of gallons of coatings employed for metal and non-metal parts in this emissions unit for the previous calendar year; and
  - e. the total number of gallons of cleanup materials employed in this emissions unit for the previous calendar year.

These reports shall be submitted by January 31 of each year for the preceding calendar year.

- 5. The permittee shall notify the Hamilton County Department of Environmental Services in writing, identifying each day during which any cleanup material containing photochemically reactive material (as defined in OAC rule 3745-21-01(C)(5)) was employed in emissions unit K001. This report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of material(s) emitted each such day.

**E. Testing Requirements**

- 1. USEPA Methods 24 and 24A shall be used to determine the VOC contents for the coatings employed to paint metal parts in this emissions unit. If, pursuant to section 4.3 of Method 24, 40 CFR, Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A. USEPA Method 24 or formulation data shall be used to determine the OC content for the coating employed to paint non-metal parts and for cleanup materials.
- 2. Compliance with the usage, OC content, and OC emission limits, and the prohibition on the use of any photochemically reactive material in cleanup material, which are cited in Terms A.1, A.2, B.1, B.2, B.3 and B.4 shall be determined by the record keeping in Terms C.1, C.2, C.3 and C.4.

**F. Miscellaneous Requirements**

- 1. None