Facility ID: 0660000023 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: 0660000023 Emissions Unit ID: R005 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
Spray Booth #1(R005)	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 pounds per hour and 40 pounds per day.
	OAC rule 3745-31-05	Combined organic compound emissions from sources R005, R006, R007, R008, R009, R010, and R011 shall not exceed 51.1 tons per year as a twelve-month rolling summation.
	OAC rule 3745-17-11	This emissions unit is limited to 0.551 pound per hour and 2.4 tons per year of particulate matter emissions.
	OAC rule 3745-17-07	Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except for a period of six consecutive minutes in any sixty minutes period. Visible particulate emissions shall not exceed sixty percent opacity, as a six-minute average, at any time.

2. **Additional Terms and Conditions**

   (a) The permittee shall employ a spray booth filter having a design control efficiency for particulates greater than 98% during any operation of the emissions unit.

B. **Operational Restrictions**

1. None

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

1. The permittee shall collect and record the following information for each day for the coating operation:

   a. The company identification for each coating and cleanup material employed.

   b. The number of gallons of each coating and cleanup material employed.

   c. The OC content of each coating and cleanup material, in pounds per gallon.

   d. The total OC emission rate for all cleanup materials, in pounds per day.

   e. The total potential (prior to applying the booth/oven "split") daily OC emission rate for all coatings, in pounds per day.

   f. The total potential daily OC emission rate for all coatings multiplied by the maximum percentage of the emissions associated with this emissions unit (as defined in condition C.2 of this permit), in pounds per day.

   g. The total OC emission rate for all coatings and cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f)).

   h. The total number of hours the emissions unit was in operation.

   i. The average hourly OC emission rate for the coatings and cleanup materials, i.e., (g)/(h), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

2. For purposes of calculating the organic compound emission rates for this emissions unit and the associated ovens (P001 or P002), the permittee shall utilize a value of 96.25% as the maximum percentage of the organic compounds employed in this emissions unit that are emitted uncontrolled from the emissions unit. The remaining 3.75% of the organic compounds employed in this emissions unit shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between this emissions unit and the associated oven is based upon evaporation curves relating percent solvent losses to solvent flash-off times as illustrated in Figure 655 of AP-40.

3. The permittee shall collect and record the following information for each month for the coating operation:

a. The total OC emission rate for all coatings and cleanup materials, in tons per month.

b. The total OC emission rate for all coatings and cleanup materials for the previous 12 months, in tons per year, for sources R005,R006,R007,R008,R009,R010, and R011 combined.

D. **Reporting Requirements**

1. In accordance with paragraph 3 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following information:

a. An identification of each day during which the average hourly OC emissions from the coatings and cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.

b. An identification of each day during which the OC emissions from the coatings and cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

2. In accordance with paragraph 3 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following information:

Any exceedance of the rolling, 12-month emission limitation of 51.1 tons/year for organic compounds.

3. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous twelve months. These reports shall be submitted by January 31 of each year.

E. **Testing Requirements**

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

a. Emission Limitation:
8 pounds per hour of OC

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.

b. Emission Limitation:
40 pounds per day of OC

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.

c. Emission Limitation:
Combined organic compound emissions from sources R005, R006, R007, R008, R009, R010, and R011 shall not exceed 51.1 tons per year as a twelve-month rolling summation.

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.

2. Compliance with the particulate matter emission limits shall be determined by multiplying the maximum uncontrolled rate for particulates (lb PM/hr) by the design control efficiency of the filters (98%) as follows:

(lb PM/gal)(gal/hr)(1 - 0.98) = lb PM/hr

(lb PM/hr)(8760 hr/yr)(0.0005 ton/lb) = tons/yr

Neither the hourly nor the annual PM emission limits can be exceeded if a spray booth filter having a design control efficiency for particulates greater than 98% is employed during any operation of the emissions unit.

3. Compliance with the visible emission limit shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

F. **Miscellaneous Requirements**

1. None