Facility ID: 1431260080 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: 1431260080 Emissions Unit ID: P007 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
South Premix Tanks & Solvent-based Production	OAC rule 3745-31-05 (PTI 14-4380)	1.55 LBS/HR OC* * The hourly emission limitation is based upon the emissions unit's PTE. Therefore, no hourly records are required to demonstrate compliance with this limit.
	OAC rule 3745-21-07(G)	See A.2.

2. **Additional Terms and Conditions**

   (a) The organic compound (OC) emissions from solvent-based colorant production shall not exceed 31.4 tons per year for emissions units P007, P008, and P009 combined.
   The actual emissions of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 10 TPY for any single HAP and 25 TPY for any combination of HAPs. Compliance with the above limitations shall be based upon rolling 12-month rolling summations.
   This emissions unit currently does not employ photochemically reactive materials, as defined in OAC 3745-21-01(C)(5). It is therefore exempt from all emission limitations and control requirements contained in OAC 3745-21-07(G).

   Prior to employing any photochemically reactive material in this emissions unit, including any cleanup material that is a photochemically reactive material, the permittee shall provide written notification to the Hamilton County Department of Environmental Services. Such notification shall include information sufficient to determine compliance with the emission limits and/or control requirements specified in OAC 3745-21-07(G). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour, and pounds per day.

B. **Operational Restrictions**

1. The permittee shall use fitted covers on this emissions unit while in operation or holding any material containing organic compounds.

2. The maximum annual production rate for solvent-based colorants in emissions units P007, P008, and P009 shall not exceed 6,000,000 pounds of colorant per year, based upon a rolling 12-month summation of the production rates.

3. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the production rates specified in the following table for emissions units P007, P008, and P009 combined:

   Months Max. Allowable Cumulative
   . Production(Lbs Solvent-
   . Based Colorants)

   1 750,000
   1-2 1,500,000
   1-3 2,250,000
   1-4 3,000,000
   1-5 3,750,000

1-6 4,500,000
1-7 5,250,000
1-8 6,000,000
1-9 6,000,000
1-10 6,000,000
1-11 6,000,000
1-12 6,000,000

After the first 12 calendar months of operation following the issuance of the permit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the monthly production rates.

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

1. The permittee shall maintain monthly records of the following information:

   a. The total production rate of solvent-based colorants for this emissions unit, in pounds of colorant produced.

   b. The total OC emission rate for this emissions unit from the solvent-based colorant production, in tons.

   c. Beginning after the first 12 calendar months of operation following the issuance of this permit to operate for emissions units P010 through P017, the rolling, 12-month summation of the total solvent-based colorant production rates.

   Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative production rate for each calendar month for the total solvent-based colorant production for emissions units P010 through P017.

2. The permittee shall collect and record the following information each month:

   a. the company identification of each solvent employed in this emissions unit, and

   b. for each solvent employed, documentation as to whether or not the solvent is a photochemically reactive material.

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

   a. the name and identification number of each liquid organic material employed;
   b. the individual Hazardous Air Pollutant (HAP) content for each HAP of each liquid organic material, in pounds of individual HAP per pound of liquid organic material;
   c. the total combined HAP content of each liquid organic material, in pounds of combined HAPs per pound of liquid organic material (sum all the individual HAP contents from (b));
   d. the name and identification of each cleanup material employed (if applicable);
   e. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per pound of cleanup material;
   f. the total combined HAP content of each cleanup material, in pounds of combined HAPs per pound of cleanup material, (sum all the individual HAP contents from (e));
   g. the number of pounds of each liquid organic material and each cleanup material employed;
   h. the total individual HAP emissions for each HAP from all liquid organic materials and cleanup materials employed, in pounds or tons per month (for each HAP, the sum of (b) times (g) for each liquid organic material employed plus the sum of (e) times (g) for each cleanup material);
   i. the total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (c) times (g) for each liquid organic material plus the sum of (f) times (g) for each cleanup material);

   j. the updated rolling, 12-month summation for each individual HAP, in pounds or tons (This shall include the information for the current month of the total emissions and the preceding eleven calender months. For the first twelve months following the issuance of the permit, this shall be a cumulative total for all months since the issuance of the PTI); and

   k. the updated rolling, 12-month summation for total combined HAP, in pounds or tons. (This shall include the information for the current month of the total emissions and the preceding eleven calender months. For the first twelve months following the issuance of the permit, this shall be a cumulative total for all months since the issuance of the PTI.)

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

D. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation for emissions units P007, P008, and P009 and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative production levels.

2. The permittee shall also submit annual reports which specify the total OC emissions from the solvent-based colorants for emissions units P007, P008, and P009 for the previous calendar year. These reports shall be submitted by January 31 of each year.

3. The permittee shall notify Hamilton County Department of Environmental Services of any exceedance of the HAP emissions limitations set forth in Term A.2. The permittee shall submit annual reports which identify all exceedances of these limitations, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the reporting period then a report is required stating so.

4. The permittee shall submit an annual report which identifies each day during which any photochemically reactive material is employed in this emissions unit. This report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of material(s) emitted during each such

day, in pounds. This report shall be submitted by February 15th each year.

E. **Testing Requirements**

1. Compliance with the emission and usage limitations as outlined in this permit to operate shall be determined by the record keeping requirement in term C.

2. Compliance with the OC emission rate from the solvent-based colorant production shall be determined by the following equation:

   E = A x 0.0005 tons/lb x F x 0.0005 tons/lb

   Where:

   E is the emission rate in tons

   A is the monthly or annual solvent-based colorant production in pounds

   F is the emission factor provided by the facility for solvent-based colorant production (20.93 lbs OC/ton production).

F. **Miscellaneous Requirements**

None