

Facility ID: 1483040427 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: 1483040427 Emissions Unit ID: P005 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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>
3-roll paste ink mill	OAC rule 3745-31-05(A)(3) (PTI 14-05130)	13.0 lbs of organic compound (OC) emissions/day 0.30 ton per year (TPY) of OC emissions
		See Sections A.2 and B.1 below.
	OAC rule 3745-21-07(G)(2)	Exempt, see Section B.2 below.

2. **Additional Terms and Conditions**
  - (a) The maximum OC (solvent) content of each paste ink produced in this emissions unit shall not exceed 24% OC, by weight, based on a daily-weighted average.

**B. Operational Restrictions**

1. The maximum amount of paste inks processed in this emissions unit shall not exceed 168,600 pounds per year.
2. The use of any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), is prohibited in this emissions unit.

**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 of each batch of paste ink produced;
  - b. the company identification of each liquid organic material employed in this emissions unit;
  - c. a record of each liquid organic material employed in this emissions unit, indicating whether or not the liquid organic material is a photochemically reactive material as identified in OAC rule 3745-21-01(C)(5).
  - d. the OC (solvent) content for each paste ink produced, in percent by weight;
  - e. the amount of each paste ink produced, in pounds;
  - f. the total daily OC emissions, in pounds [summation of (e) x (d/100%) x 30 lbs of OC emissions/ton of solvent used\* x 1 ton/2,000 lbs, for all paste inks produced]; and
  - g. the daily-weighted average OC (solvent) content, as applied, in percent by weight, for all paste inks. The daily-weighted average shall be calculated by multiplying each paste ink's OC content in (d)/100%, by the respective amount produced of that paste ink in (e), for all paste inks produced during that day. The summation of these values shall then be divided by the total pounds of paste inks produced during that day.

\* emission factor reference from AP-42, Fifth Edition, Chapter 6.4, Paint and Varnish Manufacturing, Table 6.4-1, dated 5/83

\*\* emission factor reference from AP-42, Fifth Edition, Chapter 6.7, Printing Ink, Table 6.7-1, dated 5/83
2. The permittee shall maintain annual records of the following for this emissions unit:
  - a. the total amount, in pounds, of all paste inks produced in this emissions unit for the calendar year [summation of C.1.e for all days of the calendar year]; and

b. the total OC emissions, in tons, for the calendar year [summation of C.1.f for all days of the calendar year and divided by 2,000 lbs/ton].

**D. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of each day during which any photochemically reactive material [as defined in OAC rule 3745-21-01(C)(5)] was 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 OC emissions emitted each such day. This report shall be submitted to the Hamilton County Department of Environmental Services within 45 days after the occurrence.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the OC content limitation as specified in Section A.2.a. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit annual reports that summarize the following information for this emissions unit:
  - a. the total OC emissions, in tons, for the calendar year; and
  - b. the total number of pounds of paste inks produced for the calendar year.

These reports shall be submitted by January 31 of each year and cover the previous calendar year.

**E. Testing Requirements**

1. Compliance with the OC emission limitations, OC content limitation and the ink production restriction specified in Sections A and B shall be determined by the following methods:  
OC Emission Limitations: 13.0 lbs/day of OC emissions; 0.30 TPY of OC emissions

Applicable Compliance Method: Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified in Section C.1.

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in Section C.2. In addition, compliance with the annual OC emission limitation is ensured if compliance is maintained with the annual paste ink production rate and the OC content limitation for the paste inks.  
OC Content Limitation: not to exceed 24% OC, by weight, based on a daily-weighted average

Applicable Compliance Method: Compliance with the OC content limitation shall be determined by the record keeping requirements specified in Section C.1. Formulation data or U.S. EPA Method 24 shall be used to determine the OC content of the paste inks.  
Ink Production Restriction: 168,600 lbs of paste inks produced/year

Applicable Compliance Method: Compliance with the annual paste ink production restriction shall be determined by the record keeping requirements specified in Section C.2.

**F. Miscellaneous Requirements**

1. None