

Facility ID: 1576001772 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: 1576001772 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>
Half-Web Heatset Offset Printing Press with Hot Air Dryer followed by a Natural Gas Fired Catalytic Incinerator Control Device to Produce Custom Commercial Printed Products; Company Identification Heidelberg 0002.	PTI 15-1058 and January 10, 1996 Modification to PTI 15-1058	4 LBS OC/HR  The capture efficiency of the system which captures organic compound ("OC") emissions from the printing press shall be at least 90% by weight, and, the captured emissions shall be vented to a catalytic incinerator with a destruction efficiency for organic compound emissions of at least 90% by weight.  The fountain solution utilized shall not contain any OC greater than 2.28 grams of OC per liter of applied fountain solution.  This facility shall not use more than 400 gallons of applied fountain solution per year in this emissions unit.  This facility shall not use more than 750 gallons of press and roller wash per year in this emissions unit.  The press hot air dryer shall be equipped with an automatic shut off device which shall be activated when the outlet temperature of the catalytic incinerator falls below 400 degrees F.  Visible particulate emissions from this stack shall not exceed twenty percent (20%) opacity as a six-minute average, except that they may exceed twenty percent (20%) opacity, as a six-minute average, for not more than six consecutive minutes in any sixty-minute period, but they shall not exceed sixty percent (60%) opacity, as a six-minute average, at any time.

OAC 3745-17-07 including 3745-17-07 (A) (1)

2. **Additional Terms and Conditions**
  - (a) None

**B. Operational Restrictions**

1. The outlet temperature of the catalytic incinerator shall be maintained at or above 400 degrees Fahrenheit at all times during the operation of K001.

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

## 1. Recordkeeping Requirements for Printing Lines:

This facility shall maintain monthly records which list the following information for each fountain solution, ink, or cleanup material employed in this source. These monthly records, as well as any supporting ink analyses and computations, shall be retained in the company's files for a period of not less than three years and shall be made available to the Director for review during normal business hours.

## 2. Ink Information and Usage: (Reported on an as-employed basis, that is, after the addition of any solvents or other materials.)

- i. The company identification of the ink.
- ii. The number of gallons of ink employed.
- iii. The OC content, in pounds of OC per gallon of the ink.

## 3. Fountain Solution Information and Usage:

- i. The company identification of the fountain solution material;
- ii. The number of gallons employed, after mixing.
- iii. The OC content, in grams of OC per liter of the fountain solution, after mixing.

## 4. Clean Up Material Information and Usage:

- i. The company identification of the clean up material (press and roller wash).
- ii. The number of gallons employed.
- iii. The OC content, in pounds of OC per gallon of the clean up material.

## 5. Catalytic Incinerator Temperature Monitoring and Recordkeeping Requirements

The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the outlet temperature of the catalytic incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within 1 percent of the temperature being measured or 5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- (a) The temperature of the exhaust gases of the catalytic incinerator.
- (b) A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

**D. Reporting Requirements**

## 1. The facility shall submit annual reports to the Canton City Health Department, Division of Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702, which summarize the results of the tests required by Special Term and Condition E (1). These reports shall be submitted by February 15 of each year.

## 2. Coating Line Modification Restrictions

Prior to employing any material in this emissions unit not identified on the application for this permit or prior to increasing the maximum hourly usage of any material that will result in an increase in emissions, this facility shall notify and obtain approval from Canton City Health Department, Air Pollution Control Division. This notification, at a minimum, will include the company identification for the new material to be employed, the organic compound content (in lbs/gal) of the material, the solvent constituent composition of the material, and the new maximum hourly and daily usage rates.

## 3. The permittee shall submit quarterly reports on deviations during which the outlet temperature of the catalytic incinerator falls below the limitation specified in section B of this permit. Reports shall be sent to the Canton City Health Department, Division of Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702. If no deviations have occurred during a quarter, the report shall state that.

## 4. Annual reports shall be submitted by January 30 of each year which contain the information required to be recorded in Special Terms and Conditions C (3)(ii) and (iii) and C (4)(ii) and (iii) of this permit.

**E. Testing Requirements**

## 1. A sample of the incinerator's catalytic core shall be tested a minimum of once per year to verify that it is still capable of performing its function of reducing OC emissions to the allowable levels in this permit. The test shall consist of (1) a series of runs at typical operating temperatures and at a typical OC loading in which the conversion efficiency of the used catalyst is measured, (2) a run to measure the used catalyst's effective surface area per weight of catalyst, and (3) an X-Ray emission run to determine the concentration and identity of contaminants.

## 2. Compliance Methods:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- i. The emission testing shall be conducted within 3 months of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for organic compounds, and the capture efficiency and control efficiency limitations for organic compounds.
- iii. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- iv. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall

describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

v. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.  
Visible particulate emissions limitation:

Method 9 pursuant to OAC rule 3745-17-03(B)(1).  
Fountain solution OC limitation:

Pursuant to OAC rule 3745-21-10(B)(4), USEPA Method 24A or formulation data shall be used to determine the VOC content for the fountain solution.

F. **Miscellaneous Requirements**

1. None