

Facility ID: 1677050159 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: 1677050159 Emissions Unit ID: R001 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>
Adhesive application to paper filter elements and heat-cured with a gas-fired oven.	OAC rule 3745-31-05 (PTI 16-1364)	0.44 lb/hr of formaldehyde 2.2 lbs/day of formaldehyde See A.2.a below.
	OAC rule 3745-21-07	3 lbs/hr of total organic material 15 lbs/day of total organic material See A.2.b below.

**2. Additional Terms and Conditions**

- (a) The maximum allowable annual emissions of formaldehyde from this emissions unit shall not exceed 0.40 ton per year, based upon an operating schedule of 365 days per year.
 

No recordkeeping/reporting nor compliance demonstration of annual formaldehyde emissions is required, since the above annual emission limitation equals the potential annual emissions from this emissions unit.

The maximum allowable annual emissions of total organic material (which includes emissions of formaldehyde emanating exclusively from the heat-cure oven) from this emissions unit shall not exceed 2.7 tons per year, based upon an operating schedule of 365 days per year.

No recordkeeping/reporting nor compliance demonstration of annual total organic material emissions is required, since the above annual emission limitation equals the potential annual emissions from this emissions unit.

For purposes of calculating organic material emissions from emissions unit R001, which is primarily a heat-cure oven, but includes a preceding associated adhesive coating operation, the permittee shall utilize a value of 0% as the maximum percentage of the organic material emissions emanating from the adhesive coating operation. The remaining 100% of the organic material emissions from emissions unit R001 are assumed to emanate from the heat-cure oven. This "split" of organic material emissions between the heat-cure oven and the preceding associated adhesive coating operation is based upon company assumptions.

**B. Operational Restrictions**

1. The permittee shall only employ natural gas as fuel in this emissions unit.

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

1. The permittee shall collect and record the following information for each day of coating operation:
  - a. the company identification of each coating, as applied;
  - b. the number of gallons of each coating, as applied;
  - c. the organic material content of each coating, as applied, in pounds of organic material per gallon of coating;
  - d. the weight of filter paper heat-cured in the heat-cure oven, in pounds per day;
  - e. the formaldehyde emissions (assuming a formaldehyde content of the filter paper of 1% by weight), in pounds per day (i.e., e = 0.01 x d);

- f. the total organic material emissions, in pounds per day;
- g. the hours of operation of this emissions unit;
- h. the average hourly total organic material emission rate, in pounds per hour; and
- i. the average hourly formaldehyde emission rate, in pounds per hour.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. an identification of each day during which the average hourly total organic material emissions exceeded 3 lbs/hr and the actual organic material emissions for each such day;
  - b. an identification of each day during which the daily total organic material emissions exceeded 15 lbs/day and the actual organic material emissions for each such day;
  - c. an identification of each day during which the average hourly formaldehyde emissions exceeded 0.44 lb/hr and the actual organic material emissions for each such day; and
  - d. an identification of each day during which the daily formaldehyde emissions exceeded 2.2 lbs/day and the actual organic material emissions for each such day.

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:  
Formulation data or USEPA Method 24 shall be used to determine the organic material contents of the coatings, as applied.  
Emission Limitation:  
  
3 lbs/hr of total organic material  
  
Applicable Compliance Method:  
  
Compliance shall be demonstrated in accordance with the recordkeeping requirements of Section C.1 above.  
Emission Limitation:  
  
15 lbs/day of total organic material  
  
Applicable Compliance Method:  
  
Compliance shall be demonstrated in accordance with the recordkeeping requirements of Section C.1 above.  
Emission Limitation:  
  
0.44 lb/hr of formaldehyde  
  
Applicable Compliance Method:  
  
Compliance shall be demonstrated in accordance with the recordkeeping requirements of Section C.1 above.  
Emission Limitation:  
  
2.2 lbs/day of formaldehyde  
  
Applicable Compliance Method:  
  
Compliance shall be demonstrated in accordance with the recordkeeping requirements of Section C.1 above.

**F. Miscellaneous Requirements**

1. The permittee is hereby notified that this permit and all agency records concerning this permitted emissions unit are subject to public disclosure in accordance with OAC 3745-49-03.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of this emissions unit.