

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

[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>
Adhesive application to paper filter elements and heat-cured with a gas-fired oven.	OAC rule 3745-31-05(A)(3) (PTI 16-01364)	The requirements of this rule also include the requirements of OAC rule 3745-21-07(G)(1).  Formaldehyde emissions shall not exceed 0.44 lb/hr, 2.2 lbs/day, and 0.40 ton per year.  Organic compound (OC) emissions shall not exceed 2.7 tons per year.
	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3.0 lbs/hr and 15 lbs/day.
		See A.2.a below.

2. **Additional Terms and Conditions**
  - (a) 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 for the coating operation associated with this emissions unit:
  - 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.
2. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit quarterly 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.
2. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Conditions of this permit.
3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

**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:

Emission Limitation:

Formaldehyde emissions shall not exceed 0.44 lb/hr, 2.2 lbs/day, and 0.40 ton per year.

Applicable Compliance Method:

Compliance with the hourly and daily allowable Formaldehyde emission limitations shall be demonstrated in accordance with the record keeping requirements established in Section C.1 above.

As long as compliance with the daily limitation is maintained, compliance with the annual limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing it by 2000 lbs/ton).

Emission Limitations:

OC emissions shall not exceed 3.0 lbs/hr, 15 lbs/day, and 2.7 tons per year.

Applicable Compliance Method:

Compliance with the hourly and daily allowable OC emission limitations shall be demonstrated in accordance with the record keeping requirements established in Section C.1 above.

If required, compliance with the hourly allowable OC emission limitation shall be demonstrated based on the results of emission testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60 Appendix A.

As long as compliance with the daily limitation is maintained, compliance with the annual limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing it by 2000 lbs/ton).
2. Formulation data or USEPA Method 24 shall be used to determine the organic material contents of the coatings, as applied.

**F. Miscellaneous Requirements**

1. None