

Facility ID: 0351010062 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: 0351010062 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>
16-20 Glue Machines	PTI #03-8930	1.32 lbs VOC/hr; 5.72 tons VOC/yr

2. Additional Terms and Conditions

- (a) The volatile organic compound (VOC) emissions from the gluing machines shall not exceed 1.32 lbs/hr and 5.72 tons/yr.

B. Operational Restrictions

1. All glues employed in emissions unit R001 shall be formulated to be nonphotochemically reactive as defined in OAC rule 3745-21-01(C)(5).

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for emissions unit R001 each month:
 - The name and identification number of each glue, as applied.
 - A determination on whether the glue is photochemically reactive.
 - The mass of VOC by volume of each glue employed, as applied.
 - The volume, in pounds, of each glue employed.
 - The amount of VOC emitted from each glue employed.
 - The total amount of VOC emitted from all glues employed in the gluing machines [summation of (e)].
 - The total cumulative VOC emissions for the calendar year to date [summation of (f) from January through December].

D. Reporting Requirements

1. The permittee shall notify Ohio EPA within 5 calendar days of any monthly record showing an exceedance of the VOC emission limitations/operational restrictions contained in this permit. A copy of such record shall be sent to Ohio EPA within 30 days following the date of the excursion. Accompanying the record, the permittee shall indicate, in writing, the probable cause(s) of the excursion and the steps which have been implemented to correct the violation(s) and prevent any such future occurrences.
2. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Unless otherwise specified in Section D., Monitoring and/or Record Keeping Requirements, 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:

1.32 lbs VOC/hr and 5.72 tons VOC/yr

The hourly VOC limit for this emissions unit was calculated by multiplying the maximum gluing application rate (gal/hr) of each glue in the emissions unit's application by its respective VOC content (lbs/gal). For this permit, the unit's maximum hourly VOC emission rate was determined to be 1.32 pounds. This limit was based on the following parameters:

1. the use of waterbase adhesive #1 with a maximum VOC content of 0.05 lb/gal with a maximum application rate of 15 gal/hr; and

2. the use of waterbase adhesive #2 with a maximum VOC content of 0.80 lb/gal with a maximum application rate of 0.71 gal/hr;

Applicable Compliance Method:

As long as the above parameters are not changed, Ohio EPA will assume that compliance with the VOC limit of 1.32 lbs/hr will be maintained. However should the permittee desire to make a change, the permittee shall document whether such change requires a permit modification, as specified in Section C.4.(d) above, in accordance with the following:

To determine the actual worst case hourly VOC emissions rate from a gluing application emissions unit (without VOC control), the following equation shall be used:

$$E = CA \times \text{VOC}$$

where:

E = the VOC emissions rate in lbs/hr

CA = the maximum glue application rate in gal/hr

VOC = the VOC content, as applied, of the respective coating in lbs/gal

The permittee shall maintain copies of such documentation to verify the change did not require a permit modification.

F. Miscellaneous Requirements

1. None