

Facility ID: 0829010475 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: 0829010475 Emissions Unit ID: P030 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>
Wax Meltout Furnace	OAC rule 3745-31-05 See F.3.	0.44 lb/hr, 0.75 TPY OC
	OAC rule 3745-17-09 See F.3.	5% visible emission opacity as a 3-minute average
	OAC rule 3745-17-07 See F.3.	0.10 lb particulate/100 lbs salvageable material charged Less stringent than the above opacity limit.

**2. Additional Terms and Conditions**

- (a) The 0.44 lb OC/hr limit was established for PTI purposes to reflect the potential to emit for this emission unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with this limit.

**B. Operational Restrictions**

1. The afterburner temperature shall be maintained at 1500 degrees Fahrenheit or greater during each burn off cycle.
2. The maximum annual operating hours for this emissions unit shall not exceed 3432.

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

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the exhaust gases from the afterburner when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. The monitoring and recording devices shall be capable of accurately measuring the desired parameter.
2. The permittee shall collect and record the following information each day:
  - a. the temperature of the exhaust gases from the afterburner, and
  - b. a log or record of operating time for the monitoring equipment and associated emissions unit.
3. The permittee shall maintain monthly records of the following:
  - a. the amount of resin employed in this emissions unit, in lbs, and
  - b. the amount of wax employed in this emissions unit, in lbs.

**D. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of period of time during which the afterburner temperature drops below 1500 degrees Fahrenheit, as well as the corrective action(s) taken. A copy of such record shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the deviation occurs.
2. The permittee shall submit annual reports which identify any exceedances of the annual operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitation-  
0.44 lb/hr OC  
  
Applicable Compliance Method-  
If required, compliance shall be determined in accordance with either USEPA Reference Method 25 or 25A , as appropriate, of 40 CFR Part 60, Appendix A.  
Emission Limitation-  
0.75 TPY OC  
  
Applicable Compliance Method-  
Compliance shall be determined by multiplying the total annual OC emissions by the destruction efficiency of the furnace, as follows:
  - i. The total organic emissions from the resin, i.e., actual annual resin usage (12 month summation from C.3.a) multiplied by an organic compound emission factor of 0.10 lb OC/lb of resin.
  - ii. The total organic emissions from the wax, i.e., actual annual wax usage (12 month summation from C.3.b) multiplied by an organic compound emission factor of 0.20 lb OC/lb of wax.
  - iii. The annual OC emission rate, i.e., the sum of i. and ii. multiplied by the control efficiency of 99% (1-.99) of the furnace.  
Note - The above emission factors and control efficiency were determined during performance testing conducted by the furnace manufacturer on June 10, 1996.  
Emission Limitation-  
0.10 lb/ 100 lbs salvageable material charged  
  
Applicable Compliance Method-  
If required, compliance shall be determined in accordance with 3745-17-03 (B)(8).  
Emission Limitation-  
5% opacity limitation, as a 3-minute average  
  
Applicable Compliance Method-  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03 (B)(1) using the methods and procedures specified in USEPA Reference Method 9.

**F. Miscellaneous Requirements**

1. 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 the emissions unit.
2. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.
3. The following terms and conditions shall supersede all air pollution control requirements for this emissions unit contained in permit to install 08-3579, as issued on November 27, 1996: A.1., B.1., C., D., F.1., and F.2.