

Facility ID: 1677050174 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: 1677050174 Emissions Unit ID: P004 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>
printed circuit board surface cleaning and etching line, controlled by a wet scrubber	OAC rule 3745-31-05 (PTI 16-1905)	0.016 lb/hr of sulfuric acid 0.07 tpy of sulfuric acid See A.2
	OAC rule 3745-17-07	The requirements of this rule are less stringent than the above-mentioned control measure requirements.
	OAC rule 3745-17-11	The requirements of this rule are less stringent than the above-mentioned control measure requirements.

**2. Additional Terms and Conditions**

- (a) The permittee shall employ a wet scrubber system, as described in the permit to install application, properly installed, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals, to adequately control sulfuric acid emissions from the emissions unit.  
The permittee shall employ hoods, ducts, fans and other equipment, as described in the permit to install application, properly installed, operated and maintained, in accordance with the manufacturer's recommendations, instructions, and operating manuals, to adequately enclose, contain, capture, and vent sulfuric acid emissions to the wet scrubber.

**B. Operational Restrictions**

1. All sulfuric acid emissions shall be vented to the scrubber at all times while the emissions unit is operating.
2. The pressure drop across the scrubber shall be continuously maintained within the operating range of 1 to 3 inches of water at all times while the emissions unit is in operation. Operation of the scrubber outside of this specified range is not necessarily indicative of an emission violation, but rather serves as a trigger level for maintenance and/or repair activities, or further investigations to establish corrective action.
3. The scrubber water flow rate shall be maintained at the manufacturer's recommended value, in gpm, at all times while the emissions unit is in operation.

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

1. The permittee shall employ properly installed, calibrated, operated and maintained equipment, in accordance with the manufacturer's recommendations, instructions and operating manuals, to continuously monitor the pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation.
2. The permittee shall collect and record the following information each day the emissions unit is operating:
  - a. the pressure drop across the scrubber, in inches of water, on a once per shift basis;
  - b. the scrubber water flow rate, in gpm, on a once per shift basis; and
  - c. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports to the Director (the appropriate District Office or local air agency) that identify all periods of time during which the following scrubber parameters were not maintained within the required levels:

- a. the pressure drop across the scrubber; and
    - b. the scrubber water flow rate.
  2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.
- E. Testing Requirements**
1. Compliance with the emission limitation in section A.1 of these terms and conditions shall be determined in accordance with the following method:  
Emission Limitation:  
  
0.016 lb/hr of sulfuric acid  
  
0.07 tpy of sulfuric acid  
  
Applicable Compliance Method:  
  
If required, compliance with the hourly mass emission limitation shall be based on the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 8. If required, compliance with the annual mass emission limitation shall be determined by multiplying the hourly mass emission rate, in lbs/hr, by the actual hours of operation during the year and converting the amount to tons.
- F. Miscellaneous Requirements**
1. None