

Facility ID: 0868030048 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: 0868030048 Emissions Unit ID: P014 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> |
|---|--------------------------------------|--|
| alkaline non-cyanide zinc electroplating rack | OAC rule 3745-31-05 | 0.31 lb/hr of particulates |
| line, with impingement wet scrubber control | (PTI 08-3383) | 1.35 tpy of particulates |
| | | 0.06 lb/hr of HCl |
| | | 0.26 tpy of HCl |
| | | 0.016 lb/hr of H2SO4 |
| | | 0.07 tpy of H2SO4 |
| | OAC rule 3745-17-11(B)(1) | See A.2.b below. |

2. Additional Terms and Conditions

- (a) The 0.31 lb/hr of particulates, 0.06 lb/hr of HCl, and 0.016 lb/hr of H2SO4 emission limitations were developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and/or reporting requirements to ensure compliance with these limits.

The particulate emission limitation required by OAC rule 3745-17-11 is less stringent than the particulate emission limitation established by the best available technology requirements specified in OAC rule 3745-31-05.

The permittee shall comply with the Preventative Maintenance Plan (PMP) for this emissions unit submitted to the Regional Air Pollution Control Agency (RAPCA) on February 20, 1998, and as may from time to time be amended with notification to RAPCA.

B. Operational Restrictions

1. The scrubber water flow rate shall be continuously maintained at a value of not less than 3 gallons per minute at all times while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall collect and record the following information each day:
 - a. the scrubber water flow rate, in gallons per minute, on a once/day basis; and
 - b. 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 deviation (excursion) reports that identify all periods of time during which the scrubber water flow rate was not maintained at or above the required level.
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 limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

0.31 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 5000 pounds of parts per hour by the particulate emission factor of 0.000062 pound of particulate per pound of parts plated, as determined by water and chemical evaporative equations included in the permit application.

Emission Limitation:

1.35 tpy of particulates

Applicable Compliance Method:

The 1.35 tpy limit was developed by multiplying the 0.31 lb/hr limit by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual emission limit.

Emission Limitation:

0.06 lb/hr of HCl

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 5000 pounds of parts per hour by the HCl emission factor of 0.000012 pound of HCl per pound of parts plated, as determined by water and chemical evaporative equations included in the permit application.

Emission Limitation:

0.26 tpy of HCl

Applicable Compliance Method:

The 0.26 tpy limit was developed by multiplying the 0.06 lb/hr limit by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual emission limit.

Emission Limitation:

0.016 lb/hr of H₂SO₄

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 5000 pounds of parts per hour by the H₂SO₄ emission factor of 0.000032 pound of H₂SO₄ per pound of parts plated, as determined by water and chemical evaporative equations included in the permit application.

Emission Limitation:

0.07 tpy of H₂SO₄

Applicable Compliance Method:

The 0.07 tpy limit was developed by multiplying the 0.016 lb/hr limit by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual emission limit.

F. Miscellaneous Requirements

1. 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.