

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: P015 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>
zinc barrel plating line, with impingement wet scrubber control	OAC rule 3745-31-05(A)(3) (PTI 08-3440)	The particulate emissions (PE) from this emissions unit shall not exceed 0.32 pound per hour (lb/hr) and 1.42 tons per year (TPY).
		The hydrochloric acid (HCl) emissions from this emissions unit shall not exceed 0.89 lb/hr and 3.90 TPY.
	OAC rule 3745-17-11(B)(1)	See A.2.a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

2. Additional Terms and Conditions

- (a) The 0.32 lb/hr PE and 0.89 lb/hr HCl emissions limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.
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 1.5 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; 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 quarterly 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.

These quarterly deviation (excursion) reports shall be submitted to the Ohio EPA Central District Office or local

air agency by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter. If no deviations occurred during the calendar quarter, the permittee shall submit a report which states that no deviations occurred during the calendar quarter.

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:
Emissions Limitation:
The PE from this emissions unit shall not exceed 0.32 lb/hr

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum hourly production rate of 1200 pounds of parts per hour by the emissions factor of 0.00027 pound of particulate per pound of parts plated, as determined by water and chemical evaporative equations included in the permit application.
Emission Limitation:
The PE from this emissions unit shall not exceed 1.42 TPY

Applicable Compliance Method:
Compliance shall be determined by multiplying the 0.32 lb PE/hr limit by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton.
Emission Limitation:
The HCl emissions from this emissions unit shall not exceed 0.89 lb/hr

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum hourly production rate of 1200 pounds of parts per hour by the HCl emission factor of 0.00074 pound of HCl per pound of parts plated, as determined by water and chemical evaporative equations included in the permit application.
Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average

Applicable Compliance Method:
If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
Emission Limitation:
The HCl emissions from this emissions unit shall not exceed 3.90 TPY

Applicable Compliance Method:
Compliance shall be determined by multiplying the 0.89 lb HCl/hr limit by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton.

F. Miscellaneous Requirements

1. None