

Facility ID: 0857733004 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: 0857733004 Emissions Unit ID: P019 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

## 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>
P019 - muriatic acid etching tank with packed bed wet chemical absorption scrubber PTI 08-04659	OAC rule 3745-31-05(A)(3)	The hydrogen chloride (HCl) emissions from this emissions unit shall not exceed 0.15 lb/hour and 0.67 TPY.

### 2. Additional Terms and Conditions

- (a) The 0.15 lb/hr HCl limitation was 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 this limit.

### B. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 3 inches of water at all times while the emissions unit is in operation.
2. The scrubber water flow rate shall be continuously maintained at a value of not less than 55 gallons per minute at all times while the emissions unit is in operation.
3. The pH of the scrubber liquor shall be maintained within the range of 6-9.

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

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and 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.

The permittee shall collect and record the following information each day:

- a. The pressure drop across the scrubber, in inches of water, on a once per shift basis.
- b. The scrubber water flow rate, in gallons per minute, on a once per shift basis.
- c. The operating times for the capture (collection) system, control equipment, and monitoring equipment for the associated emissions unit.

2. The permittee shall properly install, operate and maintain equipment to continuously monitor and record the pH of the scrubber liquor while the emissions unit is in operation. The pH monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pH of the scrubber liquor, on a once per shift basis.
- b. A log or record of operating time for the emissions unit and the associated capture (collection) system, control device, and monitoring equipment.

### D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the

following scrubber parameters were not maintained at the required levels specified in Section B:

- a. The static pressure drop across the scrubber.
- b. The scrubber water flow rate.
- c. The pH of the scrubber liquor.

**E. Testing Requirements**

1. Compliance Method

Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation -  
0.15 lb HCl/hr

Applicable Compliance Method -

The hourly emission limitation was developed by measuring the evaporative volume loss of muriatic acid from the tank over an eight hour period of operation, multiplying by the density and HCl content of the muriatic acid, and dividing by eight.

Emission Limitation -  
0.67 tons HCl/yr

Applicable Compliance Method -

The 0.67 TPY emission limitation was developed by multiplying the hourly emission rate of 0.15 lb/hr by the maximum hourly operating time of 8760 hours/year and dividing by 2,000 lbs/ton. Therefore, if the emissions unit is in compliance with the hourly emission rate, compliance is presumed with the annual emission rate.

**F. Miscellaneous Requirements**

1. None