

## PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

### A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
Acid etch line controlled by 8,000 acfm wet scrubber system	OAC rule 3745-31-05	HCL: 1.0 lb/hr; 4.38 tpy

### 2. Additional Terms and Conditions

- 2.a This emissions unit, which consists of six tanks, will replace the old acid etch line (P013). P013 was a registered source that had three tanks and a scrubber system.

### B. Operational Restrictions

1. The pH of the scrubber liquor shall be maintained within the range of 6.0 and 9.0.

### C. Monitoring and/or Recordkeeping Requirements

1. 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/shift basis.
- b. A log or record of operating time for the capture (collection) system, control

device, monitoring equipment, and the associated emissions unit.

2. The permittee shall keep records of the hours of operation of this emissions unit (hrs/yr).
3. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

#### **D. Reporting Requirements**

1.  
The permittee shall submit pH deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH did not comply with the pH requirements specified above.

2. The permittee shall submit required reports in the following manner:
  - a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### **E. Testing Requirements**

1. Emission Limitation:  
  
1.0 lb/hr of HCL

Applicable Compliance Method:

Compliance with the HCL emission limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 26. No testing is specifically required by this permit but, if appropriate, may be requested in accordance to OAC rule 3745-15-04(A). The test methods and procedures shall be conducted while the emissions unit is operating at its maximum rated capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control.

2. Emission Limitation:

4.38 tons of PM per year

Applicable Compliance Method:

Compliance shall be determined by the following equation:

$$E = [(0.03)*(9)*(2)*(1-0.90)*(A)] / 2000 \text{ lbs}$$

Where:

- E = HCL emission rate (tons/year)
- 0.03 = HCL vapor generation rate (lb/ hr/ft<sup>2</sup>) as provided in the PTI application (as determined from company's previous sampling).
- 9 = surface area of acid tank (ft<sup>2</sup>)
- 2 = number of acid tanks (HCL)
- 0.90 = estimated control efficiency of scrubber system (90%)
- A = number of hours of operation (hrs/yr)

**F. Miscellaneous Requirements**