

Facility ID: 0448011588 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: 0448011588 Emissions Unit ID: P003 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>
P003 - ammonia stripping process controlled by a packed tower	OAC rule 3745-31-05(A)(3) (PTI 04-01430, issued 8/23/2005)	The emissions of ammonia from the sources comprising this emissions unit shall not exceed 0.06 pound per hour or 0.26 ton per year.

2. **Additional Terms and Conditions**
  - (a) None

### B. Operational Restrictions

1. The permittee shall operate the ammonia scrubbing system whenever this emissions unit is in operation.
2. The scrubber water flow rate shall be continuously maintained at a value of not less than 24 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 2.0 to 6.0.

### 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 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.
3. The permittee shall collect and record the following information each day:
  - a. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit including any time periods when the ammonia scrubbing system was not in service when the emissions unit was in operation.
  - b. The scrubber water flow rate, in gallons per minute, on once per shift basis.
  - c. The pH of the scrubber liquor, on a continuous basis.

### D. Reporting Requirements

1. The permittee shall submit written deviation (excursion) reports that identify all periods of time during which:
  - a. The ammonia scrubbing system was not in service when the emissions unit was in operation.
  - b. The scrubber water flow rate was not maintained at or above the required levels.
  - c. The scrubber liquor pH did not comply with the pH requirements specified above.
2. These reports shall be submitted to the City of Toledo, Division of Environmental Services, 348 S. Erie St., Toledo, OH 43604 within 30 days after the deviation occurs.

### E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitation:

0.06 pound per hour of ammonia (scrubber stack emissions)

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance through stack testing performed in accordance with USEPA CTM-027. Alternate, USEPA approved test methods, may be used with prior written approval.  
Emission Limitation:

0.26 ton per year of ammonia (scrubber stack emissions)

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable ammonia emissions limitation (0.06 pound per hour) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emissions limitation.

F. **Miscellaneous Requirements**

1. None