

Facility ID: 1318000839 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: 1318000839 Emissions Unit ID: L001 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>
Open top vapor degreaser, Detrex model VS- 800-S, using perchloroethylene	OAC 3745-21-09 (O)	See #2 below

**2. Additional Terms and Conditions**

- (a) This usage of perchloroethylene in this emissions unit shall be restricted to 9.95 tons per year, based upon a rolling, 365-day summation.
 

The open top vapor degreaser shall employ a cover and safety switches as described below:

  - i. A cover that can be opened and closed easily without disturbing the vapor zone.
  - ii. A condenser flow switch and thermostat or any other device which shuts off the sump heat if the condenser coolant is either not circulating or too warm.
  - iii. A spray safety switch which shuts off the spray pump if the vapor level drops below any fixed spray nozzle.
  - iv. A vapor level control thermostat or any other device which shuts off the sump heat when the vapor level rises too high.
  - v. A water flow switch, water pressure switch, or any other device which shuts off the sump heat if the water in a water-cooled condenser has no flow or no pressure, whichever is being monitored.

A freeboard with a freeboard ratio greater than or equal to 0.75 shall be maintained, and if the open top vapor degreaser opening is greater than 10 square feet, the cover must be powered or equipped with mechanical features whereby it can be readily closed when the degreaser is not in use.

**B. Operational Restrictions**

1. The maximum annual perchloroethylene usage for this emissions unit shall not exceed 9.95 tons, based upon a rolling, 365-day summation of the daily usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the perchlorethylene usage levels specified in the following table:

Month(s) Maximum Allowable Cumulative Perchloroethylene Usage (tons)

1	1.65
1-2	3.31
1-3	4.14
1-4	4.97
1-5	5.80
1-6	6.63
1-7	7.46
1-8	8.29
1-9	9.11
1-10	9.95
1-11	9.95
1-12	9.95

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual

perchloroethylene usage limitation shall be based upon a rolling, 365-day summation of the perchloroethylene usage figures.

2. The open top vapor degreaser shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:  
Keep the cover closed at all times except when processing work loads through the degreaser.  
Minimize solvent carry-out by:

- i. Racking parts so that solvent drains freely and is not trapped.
- ii. Moving parts in and out of the degreaser at less than 11 feet per minute.
- iii. Holding the parts in the vapor zone at least 30 seconds or until condensation ceases, whichever is longer.
- iv. Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone.

- v. Allowing parts to dry within the degreaser for at least 15 seconds or until visually dry, whichever is longer.  
Clean only materials that are neither porous nor absorbent.  
Occupy no more than one-half of the degreaser's open-top area with a workload.  
Always spray within the vapor level.  
Repair solvent leaks immediately, or shut down the degreaser.  
Store waste solvent only in covered containers.  
Operate the cleaner such that water cannot be visually detected in solvent exiting the water separator.  
Use no ventilation fans near the degreaser opening.  
When the cover is open, do not expose the open top vapor degreaser to drafts greater than 131 feet per minute, as measured between 3 and 6 feet upwind and at the same elevation as the tank lip.  
If a lip exhaust is used on the open top vapor degreaser, do not use a ventilation rate that exceeds 65 cubic feet per minute per square foot of degreaser open area, unless a higher rate is necessary to meet Occupational Safety and Health Administration requirements.  
Provide a permanent, conspicuous label, summarizing the operating procedures.

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

1. The permittee shall maintain daily records of the following information:  
The perchloroethylene usage for each day, in pounds.  
Beginning after the first 12 calendar months of operation following issuance of this permit, the rolling, 365-day summation of the perchloroethylene usage figures, in tons.  
During the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative perchloroethylene usage for each calendar month.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 365-day usage limitation and, for the first 12 calendar months of operation following issuance of this permit, all exceedances of the maximum allowable cumulative perchloroethylene usage levels.
2. The permittee shall submit an annual report that identifies the total annual perchloroethylene emissions. This report shall be due on February 15 of each year, and shall cover the the preceding calendar year.

**E. Testing Requirements**

1. None

**F. Miscellaneous Requirements**

1. The federally enforceable conditions of this permits are Paragraphs A,B,C,D, and F.
2. The permittee shall achieve compliance with the MACT standards (40 CFR 63, Subpart T) for halogenated HAP solvent cleaning machines for this emissions unit by no later than December 2, 1997. By December 2, 1997, the permittee shall submit a report that (a) describes the control measures that will be employed to comply with the MACT standards and (b) provides the date of implementation and/or installation for the control measures.
3. The permittee shall submit a Title V permit application for the facility by no later than March 14, 1999. The permittee shall obtain a Title V permit by no later than September 4, 2000.