

Facility ID: 1667040140 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: 1667040140 Emissions Unit ID: P001 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>
Groundwater Treatment System	PTI#16-1348	15.0 pounds of total organic materials per day*  0.04 pound of vinyl chloride per hour  0.30 pound of dichloroethylene per hour  0.26 pound of trichloroethylene per hour  * includes individual compounds

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

**B. Operational Restrictions**

1. In the event that daily or hourly emissions exceed the allowable limit, the pumping rate and/or air stripper efficiency shall be reduced to conform to permit limits.

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

1. The permittee shall collect and record the following information:
  - a. the groundwater throughput of the emissions unit at least twice per week;
  - b. the time elapsed between the groundwater throughput readings, in hours;
  - c. the resultant influent and effluent concentrations of vinyl chloride, dichloroethylene, trichloroethylene, and total organic materials from the sampling during the previous time period; and
  - d. the daily total organic materials emission rate in pounds per day and the hourly vinyl chloride, dichloroethylene, and trichloroethylene emissions rates in pound(s) per hour (see equations in E.1.a and E.1.b.).
2. The permittee shall maintain a record of any reductions in the pumping rate and/or air stripper efficiency necessary to conform to permit limits.
3. The permittee shall take samples of the influent and effluent groundwater stream at least once every month and conduct, or have conducted, an analysis for total organic materials, vinyl chloride, dichloroethylene, and trichloroethylene using EPA Method SW 846-8240.

**D. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record showing that the groundwater treatment system exceeded 15 pounds of total organic materials per day, 0.04 pound of vinyl chloride per hour, 0.30 pound of dichloroethylene per hour, and/or 0.26 pound of trichloroethylene per hour, the actual emissions for each limitation exceeded, and any associated reduction in pumping rate and/or air stripper efficiency. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

**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 method:

Emission Limitation:

15.0 pounds of total organic materials per day

Applicable Compliance Method:

The permittee shall take samples of the influent and effluent groundwater stream at least once per month. The groundwater samples shall be analyzed using EPA Method SW 846-8240 for determining volatile organic compounds in a variety of solid waste matrices.

Total organic materials (lbs/day) = [ k (influent concentration - effluent concentration)(groundwater throughput)/(elapsed time)](24 hours/day)

Where:

k =  $8.345 \times 10^{-9}$ ; conversion factor from microgram(s)/liter to pound(s)/gallon.

Emission Limitation:

0.04 pound of vinyl chloride per hour

0.30 pound of dichloroethylene per hour

0.26 pound of trichloroethylene per hour

Applicable Compliance Method:

The permittee shall take samples of the influent and effluent groundwater stream at least once per month. The groundwater samples shall be analyzed using EPA Method SW 846-8240 for determining volatile organic compounds in a variety of solid waste matrices.

Hourly emissions (lbs/hr) = [ k (influent concentration - effluent concentration)(groundwater throughput)/(elapsed time)]

Where:

k =  $8.345 \times 10^{-9}$ ; conversion factor from microgram(s)/liter to pound(s)/gallon.

**F. Miscellaneous Requirements**

1. None