

Facility ID: 1576001804 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: 1576001804 Emissions Unit ID: K001 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>
Resin Spray Booth, Spraying of Acrylic Sheets with Resin and Fiberglass to Produce Pool Wall Panels	PTI #15-1164 and Modification	4.93 Lb Styrene/Hr
		907 Lb Styrene/Mo
		1.85 TPY Styrene
		0.83 Lb Acetone/Hr
		152 Lb Acetone/Mo
		0.50 TPY Acetone
		5.76 Lb OC/Hr
		1059 Lb OC/Month
		2.35 TPY OC
	OAC 3745-17-07	Visible particulate emission limit as per section A (2) (a).
	OAC 3745-21-07(G)(2)	40 Lb OC per day

**2. Additional Terms and Conditions**

- (a) Visible Emissions Limit:
 

There shall be no visible particulate emissions from the stacks servicing Ohio EPA Emission Unit K001 with compliance to be determined using Test Method Nine (9) as defined in Ohio Administrative Code (OAC) 3745-17-03 (B) (3). The filters on the spray booth shall be changed at a frequency so that the visible particulate emission limit in section 2 (a) shall be met, and, minimally, the filters shall be changed at least once every two weeks. To minimize the amount of acetone use, the Permittee shall perform the good housekeeping practices listed below and any other suitable good housekeeping practices.

  - (i) The number of times that the spray gun is cleaned per day shall be minimized by scheduling a limited number of production runs for gel coating the acrylic panels.
  - (ii) When not in use, the hand held rollers used to fix the resin coating to the acrylic panels shall be kept in a covered container of acetone.
  - (iii) The drums of acetone shall be equipped with vapor suppressant dispensers.
  - (iv) All containers of waste acetone shall be kept covered at all times except during the period when the containers are emptied or filled.

**B. Operational Restrictions**

1. Ohio EPA Emission Unit Number K001 shall consist of the spraying of polyester resin, chopped fiberglass, catalyst, and filler using an internal mixing airless spray gun onto acrylic panels to produce pool wall panels. In addition, it shall also include the fixing of the resin coating onto the acrylic panels using hand-held rollers and the use of clean up solvent (acetone) for the process. Ohio EPA Emission Unit Number K001 shall be installed and operated according to PTI 15-1164 and modifications, this Permit to Operate, and according to the permit

applications submitted by Artistic Pools Manufacturing, Inc.

2. The stack servicing Ohio EPA Emission Unit K001 shall be a minimum of twenty-two feet (22') in height above the height of the roof as measured from the roof level of the building to which the stack is attached, and, the stack shall have an inside diameter of twenty-two inches (22"). The spray booth shall be maintained and operated such that the air flow through the stack is maintained at the levels reported in the Permit to Install application.
  3. Ohio EPA Emission Unit Number K001 shall be limited to operating eight (8) hours per day, 23 days per calendar month, and 1200 hours per calendar year.
  4. The spray booth fan shall be continuously operated when Ohio EPA Emission Unit K001 is being operated.
  5. The resin, chopped fiberglass, catalyst and filler shall be applied with an internal mix, airless, spray gun. The resin shall be applied in a manner designed to minimize the amount of overspray and minimize the usage of resin.
  6. The resin spraying process shall be serviced by a spray booth as described in the permit applications.
  7. This facility shall be limited to using acetone as the cleanup solvent and the acetone shall be utilized in a quantity and manner such that the emissions of acetone are less than or equal to 0.83 pounds per hour, 152 pounds per month, and 1,000 pounds per year.
  8. This facility shall be limited to using resins of the types specified in this Special Term & Condition in the resin spraying process in the amounts of 100 pounds per hour, 500 pounds per day, and 75,000 pounds per calendar year. This facility shall manufacture pool wall sections by the methods described and the materials described in PTI 15-1164 and modifications, this Permit to Operate, and the permit applications. If larger consumption rates of resins than are described in this Special Term & Condition are desired to be used, then a PTI modification shall be obtained. The resins used shall be of the types specified in the Permit to Install application or of equivalent types. The styrene monomer content of all the resins used in a particular production run of the spraying process shall be 44.8% by weight or less.
  9. During the operation of this emissions unit, the external doors of the facility building shall be closed.
- C. Monitoring and/or Record Keeping Requirements**
1. This facility shall maintain records in a computer format which shall be available to the Director or his representative during normal business hours at the facility. These records shall contain:
    - a. The amounts, in gallons, of acetone purchased per calendar year for use in Ohio EPA Emission Unit Number K001 and the amount, in gallons, returned to a recycler during the same calendar year. These records and copies of invoices for acetone purchased and for recycling of acetone shall be maintained in a separate file.
    - b. Acetone Usage Records:
      - (i) The amount, in pounds and ounces, of fresh acetone taken from the supply drum per day.
      - (ii) The amount, in pounds and ounces, of used acetone placed in the used acetone drum per day.
      - (iii) The amount, in pounds and ounces, of acetone in the roller bucket and in the spray gun at the end of the day.
      - (iv) The amount, in pounds and ounces, of acetone emitted per day.
    - c. The pounds of resin used each hour, and the type of resin(s) used each hour in the resin spraying process. In addition, copies of invoices or shipping papers for the purchase of the resin showing quantities purchased and the type of resin shall be maintained in a separate file. This separate file shall also contain the MSDS for any resins used and the MSDS shall include the type of resin.
    - d. The number of hours each day that Ohio EPA Emission Unit Number K001 was operated.
      - e. Monthly summaries of the items required to be reported in section D (1) (a) through D (1) (c2) shall be maintained in these records.

All records to be maintained in a separate file and all computer records shall be made available to the Director or his representative during normal hours at the facility.
- D. Reporting Requirements**
1. This facility shall submit a report covering the previous calendar year by January 31 of the current calendar year to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue North, Canton, Ohio 44702. This report shall contain:
    - a. The amounts, in gallons, of acetone purchased for use in Ohio EPA Emission Unit Number K001, the amounts, in gallons, of acetone returned to a recycler, and the amount, in pounds, of acetone evaporated to the atmosphere at the Artistic Pools Manufacturing, Inc. facility during each month of the previous calendar year.
      - b1. The amount, in pounds, of resin, the type of resin and the styrene monomer content on a weight basis, of any and all types of resin used in Ohio EPA Emission Unit Number K001 during each month of the previous calendar year.
      - b2. The amount, in pounds, of styrene emitted from Ohio EPA Emission Unit Number K001 during each month of the previous calendar year.
      - c1. The number of hours, that Ohio EPA Emission Unit Number K001 was operated in each of the previous year's calendar months.
      - c2. The date and number of hours of all days that Ohio EPA Emission Unit Number K001 was operated more than 8 hours in each of the previous year's calendar months.
- E. Testing Requirements**

## 1. Compliance Methods:

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

Emission Limitation / Applicable Compliance Method

- (a) Hourly, monthly, and annual emission limits for Styrene, Acetone, and OC's / Recordkeeping and reporting requirements in sections C and D
- (b) Visible particulate emission limitation / OAC 3745-17-03 (B) (3)

F. **Miscellaneous Requirements**

- 1. The emission or escape into the open air from any source or sources whatsoever, of smoke, ashes, dust, fumes, gases, vapors, odors, or any other substance or combination of substances, in such manner or in such amounts as to endanger the health, safety, or welfare of the public, or cause unreasonable injury or damage to the property, is a public nuisance, as defined in OAC 3745-15-07. This facility shall not cause, permit, or maintain any such public nuisance.