

Facility ID: 0679010132 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: 0679010132 Emissions Unit ID: P007 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>   |
|--|--|--|
| Liquid Barium, Cadmium, Zinc Stabilizer Manufacturing Unit vented to an active carbon filter | PTI #06-2473 as modified on May 15, 1996 | Organic compound (OC) emissions shall not exceed 450 grams per hour  |
|  | OAC 3745-17-07(A)                        | Particulate emissions (PE) shall not exceed 0.6 grams per hour.  |
|  | OAC 3745-17-11                           | Visible emissions (VE) from the stack shall not exceed 20% opacity as a 6-minute average except as provided by rule.<br>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |

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

**B. Operational Restrictions**

1. The temperature of the carbon bed, after regeneration (including any cooling cycle(s)), shall not be greater than ambient temperature.
2. After each adsorption cycle of not more than 300 hours, the active carbon filter shall be regenerated.

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

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the carbon bed after regeneration (including any cooling cycle(s)) when the source is in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within +/- 1 percent of the temperature being measured or +/- 5 degrees Fahrenheit, whichever is greater. The temperature 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 temperature of the carbon bed after each regeneration cycle (including any cooling cycle(s)).
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
- c. Cumulative adsorption time for the active carbon filter since the last regeneration.

**D. Reporting Requirements**

1. The permittee shall submit temperature deviation (excursion) reports that identify:
  - a. all carbon bed regeneration cycles during which the temperature of the carbon bed after regeneration (including any cooling cycle(s)) exceeded the temperature limitation specified above; and
  - b. all cumulative adsorption times for the active carbon filter since the previous regeneration which exceeded

300 hours.

E. **Testing Requirements**

1. Emission Limitations:  
OC emission limit of 450 grams per hour and the PE limit of 0.6 gram per hour

Compliance Method:

Compliance with the OC emission limit of 450 grams per hour and the PE limit of 0.6 gram per hour has been determined through testing a similar process at another location. No testing is specifically required by this permit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A). Such testing would be required to comply with methods described in OAC rule 3745-21-10 for OC and/or OAC rule 3745-17-03 for PE.

2. Emission Limitation:  
VE from the stack shall not exceed 20% opacity as a 6-minute average

Compliance Method:

If required, compliance with the VE limit shall be determined through VE observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

F. **Miscellaneous Requirements**

1. None