

Facility ID: 1409010843 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: 1409010843 Emissions Unit ID: N001 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>  |
|--|---|---|
| N001 - 100 Lbs/Hr Batch-fed Multiple Chamber Incinerator | OAC rule 3745-31-05(A)(3)<br>(PTI 14-03934) | Particulate emissions (PE) and Particulate matter less than 10 microns in diameter (PM10) shall not exceed 0.1 pound per hour.<br><br>Carbon monoxide emissions (CO) shall not exceed 0.007 pound per hour.<br><br>Nitrogen oxide emissions (NOx) shall not exceed 0.47 pound per hour.<br><br>Sulfur dioxide emissions (SO2) shall not exceed 0.0014 pound per hour.<br><br>Organic compound emissions (OC) shall not exceed 0.025 pound per hour. |
|  | OAC rule 3745-17-07(A)                      | See terms and conditions A.2.a and B.1.   |
|  | OAC rule 3745-17-09(B)                      | The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B) and OAC rule 3745-17-09(C).<br>The visible emissions limitation specified by this rule is less stringent than the visible emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).   |
|  | OAC rule 3745-17-09(C)                      | Particulate emissions (PE) shall not exceed 0.1 pound per 100 pounds of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator.<br>Incinerators, including all associated equipment and grounds, shall be designed, operated, and maintained so as to prevent the emission of objectionable odors.  |

**2. Additional Terms and Conditions**

- (a) Visible particulate emissions from any stack shall not exceed 5 percent opacity as a six-minute average, except for six consecutive minutes in any continuous 60-minute period during which the opacity shall not exceed 10 percent as a six-minute average. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emissions limitations and use of the secondary combustion chamber on this emissions unit. The hourly emissions limitations outlined above are based upon the emissions unit's potential to emit (PTE). Therefore, no records are required to demonstrate compliance with these limitations.

**B. Operational Restrictions**

1. The permittee shall maintain the secondary combustion chamber for this emissions unit at an exit gas temperature of not less than 1600 degrees Fahrenheit for the entire combustion and burn-down cycle.
2. The permittee shall not charge this emissions unit with an "infectious agent" as defined in OAC rule 3745-75-01(B)

(19).

**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 secondary combustion chamber temperature for this emissions unit when it is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports for each day during which the secondary combustion chamber exit gas temperature falls below the minimum temperature limitation specified in Section B.1 of these terms and conditions. These reports shall provide the following information:
  - i. the date of the excursion;
  - ii. the time interval during which each excursion occurred; and
  - iii. the temperature recorded during each excursion.

The deviation (excursion) report shall be submitted to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.

**E. Testing Requirements**

1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitations:

PE and PM10 emissions shall not exceed 0.1 pound per hour.  
CO emissions shall not exceed 0.007 pound per hour.  
NOx emissions shall not exceed 0.47 pound per hour.  
SO2 emissions shall not exceed 0.0014 pound per hour.  
OC emissions shall not exceed 0.025 pound per hour.

Applicable Compliance Method:

Compliance with the PE/PM10, CO, NOx, SO2, and OC emission limitations outlined above shall be determined by multiplying the equipment manufacturer's emission factor for each pollutant, as provided by the permittee in PTI application #14-03934 submitted on July 24, 1995, by the maximum processing rate of 100 pounds per hour.

Emissions Limitation:

Visible particulate emissions from any stack shall not exceed 5 percent opacity as a six-minute average, except for six consecutive minutes in any continuous 60-minute period during which the opacity shall not exceed 10 percent as a six-minute average.

Applicable Compliance Method:

Compliance with the visible particulate emissions limitation outlined above shall be determined by using USEPA Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in OAC rule 3745-17-03(B)(1).

Emissions Limitation:

Particulate emissions (PE) shall not exceed 0.1 pound per 100 pounds of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator.

Applicable Compliance Method:

If required, compliance with this mass emissions limitation shall be based on stack testing per OAC rule 3745-17-03(B)(8) and US EPA Methods 1-5, 40 CFR Part 60, Appendix A.

**F. Miscellaneous Requirements**

1. None