

Facility ID: 0204000159 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: 0204000159 Emissions Unit ID: B004 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>
13.784 mmBtu/hr Natural Gas Boiler (Clayton 350 hp steam boiler)	OAC rule 3745-31-05(A)(3) (PTI 02-10373)	Particulate emissions (PE) shall not exceed 0.3 lb/hr and 1.3 tons per year (tpy).  Carbon monoxide (CO) emissions shall not exceed 0.7 lb/hr and 3 tpy.  Nitrogen oxides (NOx) emissions shall not exceed 2.0 lbs/hr and 9 tpy.  The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1), 3745-17-10(B)(1) and 3745-23-06(B).
	OAC rule 3745-17-07(A)(1)	See sections A.2.a and B.1 below. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per million Btu of actual heat input whenever natural gas is employed.
	OAC rule 3745-23-06(B) 40 CFR Part 60, Subpart Dc	See section A.2.b below. The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
		See section A.2.c below.

**2. Additional Terms and Conditions**

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of natural gas fuel and the emission limitations listed in section A.1 above.  
The permittee shall satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06 by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in PTI 02-10373. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.  
  
On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.  
The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency (U.S. EPA), 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency (Ohio EPA).

**B. Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit
- C. **Monitoring and/or Record Keeping Requirements**
1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- D. **Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation 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 methods:  
Emission Limitation:  
  
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.  
  
Applicable Compliance Method:  
  
Compliance shall be demonstrated based upon visible emission 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).  
Emission Limitation:  
  
PE shall not exceed 0.020 pound per million Btu of actual heat input whenever natural gas is employed.  
  
Applicable Compliance Method:  
  
If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.  
Emission Limitation:  
  
PE shall not exceed 0.3 lb/hr.  
  
Applicable Compliance Method:  
  
Compliance with the lb/hr emission limitation may be determined by multiplying the allowable limit of 0.020 lb/mmBtu of PE by the maximum rated heat input capacity of 13.784 mmBtu/hr.  
  
If required, the permittee shall demonstrate compliance with the lb/hr emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.  
Emission Limitation:  
  
PE shall not exceed 1.3 tpy.  
  
Applicable Compliance Method:  
  
The tpy emission limitation was developed by multiplying the allowable limit of 0.020 lb PE/mmBtu by the maximum rated heat input capacity of 13.784 mmBtu/hr, and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.  
Emission Limitation:  
  
CO emissions shall not exceed 0.7 lb/hr.  
  
Applicable Compliance Method:  
  
Compliance with the lb/hr emission limitation may be determined by multiplying the 0.036 lb CO/mmBtu emission factor, provided in an April 24, 2007 Clayton Industries letter, by the maximum rated heat input capacity of 13.784 mmBtu/hr.  
  
If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.  
Emission Limitation:  
  
CO emissions shall not exceed 3 tpy.  
  
Applicable Compliance Method:  
  
The tpy emission limitation was developed by multiplying the 0.036 lb CO/mmBtu emission factor by the maximum rated heat input capacity of 13.784 mmBtu/hr, and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.  
Emission Limitation:  
  
NOx emissions shall not exceed 2.0 lbs/hr.  
  
Applicable Compliance Method:  
  
Compliance with the lb/hr emission limitation may be determined by multiplying the 0.095 lb NOx/mmBtu emission factor, provided in an April 24, 2007 Clayton Industries letter, by the maximum rated heat input capacity of 13.784 mmBtu/hr.  
  
If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

## Emission Limitation:

NOx emissions shall not exceed 9 tpy.

## Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the 0.095 lb NOx/mmBtu emission factor by the maximum rated heat input capacity of 13.784 mmBtu/hr, and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

F. **Miscellaneous Requirements**

1. None