

Facility ID: 0630010147 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: 0630010147 Emissions Unit ID: B001 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>
190 Hp Natural Gas Compressor Engine (Engine 5701)	OAC rule 3745-31-05(A)(3) (PTI 06-5388)	CO emissions shall not exceed 3.61 lbs/hr and 15.80 tons/yr.  NOx emissions shall not exceed 4.2 lbs/hr and 18.40 tons/yr.  VOC emissions shall not exceed 0.06 lb/hr and 0.26 ton/yr.  Particulate emissions (PE) shall not exceed 0.01 lb/MMBtu actual heat input.
	OAC rule 3745-17-07(A)	PE shall not exceed 0.022 ton/yr. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(a)	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).
	OAC rule 3745-18-06(B)	Exempt. See A.1.2.a below.

2. **Additional Terms and Conditions**
  - (a) OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 0.48 MMBtu/hr.

**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.1.1 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation:

PE shall not exceed 0.01 lb/MMBtu actual heat input.

Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.0095 lb/MMBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-3 (7/00).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-5 and the procedures in OAC rule 3745-17-03 (B)(10). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation:

PE shall not exceed 0.022 ton/yr.

Applicable Compliance Method:

The annual (ton/yr) emission limitation was developed by multiplying the allowable particulate emission limitation (0.01 lb/MMBtu) by the maximum hourly gas burning capacity of the emissions unit (0.48 MMBtu/hr), and by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the short term limitation, compliance shall also be shown with the annual emission limitation.

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:

If required, compliance shall be demonstrated based upon the visible particulate emission observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emission Limitation:

NOx emissions shall not exceed 4.2 lbs/hr.

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 3.2, Table 3.2-3 (7/00) NOx emission factor (2.21 lb/MMBtu), multiplied by the maximum hourly gas burning capacity of the emission unit (0.48 MMBtu/hr), provided by the permittee.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1 - 4 and 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation:

NOx emissions shall not exceed 18.40 tons/yr.

Applicable Compliance Method:

Compliance with the tons/yr emission limitation shall be demonstrated by multiplying the allowable NOx emission limitation (2.21 lb/MMBtu) by the maximum hourly gas burning capacity of the emissions unit (0.48 MMBtu/hr), and by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton.

Emission Limitation:

CO emissions shall not exceed 3.61 lbs/hr.

Applicable Compliance Method:

Compliance with the lbs/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 3.2, Table 3.2-3 (7/00) CO emission factor (3.72 lb/MMBtu), multiplied by the maximum hourly gas burning capacity of the emission unit (0.48 MMBtu/hr), provided by the permittee.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1 - 4 and 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation:

CO emissions shall not exceed 15.80 tons/yr.

Applicable Compliance Method:

Compliance with the tons/yr emission limitation shall be demonstrated by multiplying the allowable CO emission limitation (3.72 lb/MMBtu) by the maximum hourly gas burning capacity of the emissions unit (0.48 MMBtu/hr), and by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton.

Emission Limitation:

VOC emissions shall not exceed 0.06 lb/hr.

Applicable Compliance Method:

Compliance with the lb/hour VOC emissions limitation shall be demonstrated by the use of AP-42, Chapter 3.2, Table 3.2-3 (7/00) VOC emission factor (0.0296 lb/MMBtu), multiplied by the maximum hourly gas burning capacity of the emission unit (0.48 MMBtu/hr), provided by the permittee.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA

Southeast District Office.

Emission Limitation:

VOC emissions shall not exceed 0.26 ton/yr.

Applicable Compliance Method:

Compliance with the tons/yr emission limitation shall be demonstrated by multiplying the allowable VOC emission limitation (0.0296 lb/MMBtu) by the maximum hourly gas burning capacity of the emissions unit (0.48 MMBtu/hr), and by the maximum annual hours of operation (8,760 hours), and then dividing by 2000 lbs/ton.

F. **Miscellaneous Requirements**

1. None