

Facility ID: 0634000096 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: 0634000096 Emissions Unit ID: P001 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>
58 HP 4 Stroke Rich Burn Internal Combustion Engine driving one gas compressor	OAC rule 3745-31-05(A)(3) (PTI 06-06799 issued 4-16-02)	Emissions from the stack shall not exceed the following: NOx: 1.26 lbs/hr, 5.52 tpy CO: 2.12 lbs/hr, 9.29 tpy OC: 0.02 lb/hr, 0.09 tpy No visible particulate emissions shall be exhausted from the stack. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). Particulate emissions (PE) shall not exceed 0.310 lb/mmBtu of actual heat input (0.0054 lb/hr), 0.77 tpy. 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 3745-17-11(B)(5)(a)	
	OAC rule 3745-17-07(A)	

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The permittee shall burn only methane in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than methane, 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 methane 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:

NOx emissions shall not exceed 1.26 lbs/hr.

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the NOx emission factor of 2.21 lb/mmBtu by the maximum

hourly gas burning capacity of the emission unit (0.57 mmBtu/hr) provided by the permittee.

The NOx emission factor was obtained from AP-42, 5th Edition, Chapter 3.2, Table 3.2-2, dated July, 2000.

If required, compliance shall be demonstrated by performing an emission test in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 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 5.52 tpy.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NOx emission limitation (1.26 lbs/hr) 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 2.12 lbs/hr.

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the CO emission factor of 3.72 lb/mmBtu by the maximum hourly gas burning capacity of the emission unit (0.57 mmBtu/hr) provided by the permittee.

The CO emission factor was obtained from AP-42, 5th Edition, Chapter 3.2, Table 3.2-2, dated July, 2000.

If required, compliance shall be demonstrated by performing an emission test in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 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 9.29 tpy.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (2.12 lbs/hr) 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:

OC emissions shall not exceed 0.02 lb/hr.

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the OC emission factor of 0.0296 lb/mmBtu by the maximum hourly gas burning capacity of the emission unit (0.57 mmBtu/hr) provided by the permittee.

The OC emission factor was obtained from AP-42, 5th Edition, Chapter 3.2, Table 3.2-2, dated July, 2000.

If required, compliance shall be demonstrated by performing an emission test in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 25A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation:

OC emissions shall not exceed 0.09 tpy.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable OC emission limitation (0.02 lb/hr) 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:

No visible particulate emissions shall be exhausted from the stack.

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be determined in accordance with Test Method 22 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) (4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

Emission Limitation:

PE shall not exceed 0.310 lb/mmBtu of actual heat input (0.1767 lb/hr)

Applicable Compliance Method:

Compliance may be demonstrated by the PE emission factor of 0.310 lb/mmBtu obtained from AP-42, 5th Edition, Chapter 3.2, Table 3.2-2, dated July, 2000. The equivalent lb/hr value is calculated by multiplying the PE emission limitation (0.310 lb/mmBtu) by the maximum hourly gas burning capacity of the emissions unit (0.57 mmBtu/hr) provided by the permittee.

If required, compliance shall be demonstrated by performing an emission test in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9). 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 0.77 tpy.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable particulate emission limitation (0.310 lb/mmBtu) by the maximum hourly gas burning capacity of the emissions unit (0.57 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