

Facility ID: 0123000278 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.

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Facility ID: 0123000278 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>
1.4 mmBtu/hr compressor unit #1	OAC rule 3745-31-05 (A)(3)	NOx emissions shall not exceed 4.32 pounds per hour and 18.9 tons per year.
		CO emissions shall not exceed 0.6 pound per hour and 2.62 tons per year.
		OC emissions shall not exceed 2.34 pounds per hour and 10.2 tons per year.
		Particulate emissions shall not exceed 0.06 pound per hour and .26 ton per year.
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20% as a six minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)	The particulate emission limit established by this rule is less stringent than the particulate emission limit established by BAT.

2. Additional Terms and Conditions

- (a) The emission limits established above are based upon the emission units maximum potential to emit and therefore no monitoring and/or record keeping is required. Since natural gas is the only fuel fired in this emissions unit, OAC Chapter 3745-18 is not applicable. Hence, there is no SO2 emission limitation established [based on OAC Chapter 3745-18] for this emissions unit.

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 limitation(s) in Section A.I of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:
20 percent opacity, as a six-minute average, except as otherwise provided by rule

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1).
Emission Limitation: OC emissions shall not exceed 2.34 pounds per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by an OC emission factor of .013 pound per HP hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A.
Emission Limitation: CO emissions shall not exceed 0.6 pounds per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by a CO emission factor of .0031 pound per HP hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1- 4 and 10.
Emission limitation: Particulate emissions shall not exceed 0.06 pound per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by a PM emission factor of .000353 pound per HP hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(8).
Emission limitation: NOx emissions shall not exceed 4.32 pounds per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by a NOx emission factor of .024 pound per HP hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 -4 and 7E.

- 2. Note: The above referenced emission factors are taken from USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2 (Table 3.2-2 and Table 3.2-1). Also note that each of the above referenced annual emission limits is based upon the maximum pound per hour emission rate multiplied by 8760 hours per year and divided by 2000.

F. Miscellaneous Requirements

- 1. None

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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>
1.4 mmBtu/hr compressor unit #2	OAC rule 3745-31-05 (A)(3)	NOx emissions shall not exceed 4.32 pounds per hour and 18.9 tons per year.
		CO emissions shall not exceed 0.6 pound per hour and 2.62 tons per year.
		OC emissions shall not exceed 2.34 pounds per hour and 10.2 tons per year.
		Particulate emissions shall not exceed 0.06 pound per hour and .26 ton per year.
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20% as a six minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)	The particulate emission limit established by this rule is less stringent than the particulate emission limit established by BAT.

2. Additional Terms and Conditions

- (a) The emission limits established above are based upon the emission units maximum potential to emit and therefore no monitoring and/or record keeping is required.
Since natural gas is the only fuel fired in this emissions unit, OAC Chapter 3745-18 is not applicable. Hence, there is no SO₂ emission limitation established [based on OAC Chapter 3745-18] for this emissions unit.

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 limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

20 percent opacity, as a six-minute average, except as otherwise provided by rule

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1).

Emission Limitation: OC emissions shall not exceed 2.34 pounds per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by an OC emission factor of .013 pound per HP hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A.

Emission Limitation: CO emissions shall not exceed 0.6 pounds per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by a CO emission factor of .0031 pound per HP hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1- 4 and 10.

Emission limitation: Particulate emissions shall not exceed 0.06 pound per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by a PM emission factor of .000353 pound per HP hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(8).

Emission limitation: NO_x emissions shall not exceed 4.32 pounds per hour.

Applicable Compliance Method: Compliance shall be demonstrated by multiplying the maximum rated HP of the emissions unit (180 HP) by a NO_x emission factor of .024 pound per HP hour. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 -4 and 7E.

2. Note: The above referenced emission factors are taken from USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2 (Table 3.2-2 and Table 3.2-1). Also note that each of the above referenced annual emission limits is based upon the maximum pound per hour emission rate multiplied by 8760 hours per year and divided by 2000.

F. Miscellaneous Requirements

1. None