

Facility ID: 0372030238 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.

- [Go to Part II for Emissions Unit P001](#)
- [Go to Part II for Emissions Unit P002](#)
- [Go to Part II for Emissions Unit P003](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372030238 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
Natural gas combustion engines used for powering air compressors (EDAC #1)	OAC rule 3745-31-05 (PTI 03-13373)	0.31 lb particulate emissions (PE) /hr, 1.36 ton PE /yr 2.54 lbs nitrogen oxides (NOx) /hr, 11.13 ton NOx /yr 2.54 lbs carbon monoxide (CO) /hr, 11.13 ton CO /yr
	OAC rule 3745-17-11 (B)(5)(a) OAC rule 3745-17-07 (A)	0.310 lb PE /mmBtu 20 percent opacity, as a 6-minute average, except as provided by rule

2. **Additional Terms and Conditions**
 - (a) None

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.I. of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitation:
 0.31 lb particulate emissions (PE) /hr, 1.36 ton PE /yr

 Applicable Compliance Method:
 Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.0076 lb PE/mmBtu (AP-42 chapter 1.4.5, 07/98) by the maximum rated capacity of 1.01 MMBtu/hr.

 If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 1 - 5.

 Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.
 Emission Limitation:
 2.54 lbs nitrogen oxides (NOx) /hr, 11.13 ton NOx /yr

 Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying a manufacturer supplied emission factor of 0.022 lb NOx per Brake Horsepower-hr (bhp-hr) by a maximum rated capacity of 115.0 bhp.

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 7.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation:
2.54 lbs carbon monoxide (CO) /hr, 11.13 ton CO /yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying a manufacturer supplied emission factor of 0.022 lb CO per Brake Horsepower-hr (bhp-hr) by a maximum rated capacity of 115.0 bhp.

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 10.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation:
0.310 lb PE /mmBtu

Applicable Compliance Method:

Compliance with the lb/MMBtu emission limitation shall be demonstrated by the emission factor of 0.0076 lb PE/MMBtu (AP-42, Chapter 1.4.5, 07/98).

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 1 - 5.

Emission Limitation:
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

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

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372030238 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
Natural gas combustion engines used for powering air compressors (EDAC #2)	OAC rule 3745-31-05 (PTI 03-13373)	0.31 lb particulate emissions (PE) /hr, 1.36 ton PE /yr 2.54 lbs nitrogen oxides (NOx) /hr, 11.13 ton NOx /yr 2.54 lbs carbon monoxide (CO) /hr, 11.13 ton CO /yr
	OAC rule 3745-17-11 (B)(5)(a) OAC rule 3745-17-07 (A)	0.310 lb PE /mmBtu 20 percent opacity, as a 6-minute average, except as provided by rule

2. **Additional Terms and Conditions**

- (a) None
- 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.I. of these terms and conditions shall be determined in accordance with the following methods:
- Emission Limitation:
0.31 lb particulate emissions (PE) /hr, 1.36 ton PE /yr
- Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.0076 lb PE/mmBtu (AP-42 chapter 1.4.5, 07/98) by the maximum rated capacity of 1.01 MMBtu/hr.
- If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 1 - 5.
- Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.
- Emission Limitation:
2.54 lbs nitrogen oxides (NOx) /hr, 11.13 ton NOx /yr
- Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying a manufacturer supplied emission factor of 0.022 lb NOx per Brake Horsepower-hr (bhp-hr) by a maximum rated capacity of 115.0 bhp.
- If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 7.
- Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.
- Emission Limitation:
2.54 lbs carbon monoxide (CO) /hr, 11.13 ton CO /yr
- Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying a manufacturer supplied emission factor of 0.022 lb CO per Brake Horsepower-hr (bhp-hr) by a maximum rated capacity of 115.0 bhp.
- If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 10.
- Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.
- Emission Limitation:
0.310 lb PE /mmBtu
- Applicable Compliance Method:
Compliance with the lb/MMBtu emission limitation shall be demonstrated by the emission factor of 0.0076 lb PE/MMBtu (AP-42, Chapter 1.4.5, 07/98).
- If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 1 - 5.
- Emission Limitation:
20 percent opacity, as a 6-minute average, except as provided by rule.
- Applicable Compliance Method:
OAC rule 3745-17-03 (B) (1)

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372030238 Emissions Unit ID: P003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
Natural gas combustion engines used for powering air compressors (EDAC #3)	OAC rule 3745-31-05 (PTI 03-13373)	0.31 lb particulate emissions (PE) /hr, 1.36 ton PE /yr
	OAC rule 3745-17-11 (B)(5)(a) OAC rule 3745-17-07 (A)	2.54 lbs nitrogen oxides (NOx) /hr, 11.13 ton NOx /yr 2.54 lbs carbon monoxide (CO) /hr, 11.13 ton CO /yr 0.310 lb PE /mmBtu 20 percent opacity, as a 6-minute average, except as provided by rule

2. Additional Terms and Conditions

- (a) None

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.I. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:
0.31 lb particulate emissions (PE) /hr, 1.36 ton PE /yr

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.0076 lb PE/mmBtu (AP-42 chapter 1.4.5, 07/98) by the maximum rated capacity of 1.01 MMBtu/hr.

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 1 - 5.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation:
2.54 lbs nitrogen oxides (NOx) /hr, 11.13 ton NOx /yr

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying a manufacturer supplied emission factor of 0.022 lb NOx per Brake Horsepower-hr (bhp-hr) by a maximum rated capacity of 115.0 bhp.

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 7.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation:
2.54 lbs carbon monoxide (CO) /hr, 11.13 ton CO /yr

Applicable Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying a manufacturer supplied emission factor of 0.022 lb CO per Brake Horsepower-hr (bhp-hr) by a maximum rated capacity of 115.0 bhp.

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 10.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation:

0.310 lb PE /mmBtu

Applicable Compliance Method:

Compliance with the lb/MMBtu emission limitation shall be demonstrated by the emission factor of 0.0076 lb PE/MMBtu (AP-42, Chapter 1.4.5, 07/98).

If required, the permittee shall demonstrate compliance with the above emission limit pursuant to 40 CFR 60, Appendix A, Methods 1 - 5.

Emission Limitation:

20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

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

F. **Miscellaneous Requirements**

1. None