

Facility ID: 0125041805 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 B001](#)
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Facility ID: 0125041805 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> |
|---|--------------------------------------|--|
| 33.0 MMBtu/hr boiler firing natural gas only | OAC rule 3745-17-07(A)(1) | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. 0.020 pound of particulate emission per MMBtu of actual heat input. See A.2.a below. |
| | OAC rule 3745-17-10(B)(1) | |
| | OAC rule 3745-18-06(A) | |

2. **Additional Terms and Conditions**
 - (a) This emissions unit is exempt from the SO₂ emission limitations specified in paragraphs (D), (F), and (G) of OAC rule 3745-18-06 because natural gas is the only fuel burned.

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 II.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 rule.

 Applicable Compliance Method:
 If required, compliance shall be determined in accordance with 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.
 Emission Limitation:
 0.020 pound of particulate emission per MMBtu of actual heat input.

Applicable Compliance Method:
 Compliance with the limit may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (33,000 cubic ft/hr) by 1.9 lbs particulates/million cubic feet (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-2 for natural gas combustion, 7/98) and dividing by the maximum heat input capacity of 33.0 MMBtu/hr.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0125041805 Emissions Unit ID: B002 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> |
|---|--------------------------------------|---|
| 33.0 MMBtu/hr boiler firing natural gas only | OAC rule 3745-17-07(A)(1) | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. |
| | OAC rule 3745-17-10(B)(1) | 0.020 pound of particulate emission per MMBtu of actual heat input. |
| | OAC rule 3745-18-06(A) | See A.2.a below. |

- 2. **Additional Terms and Conditions**
 - (a) This emissions unit is exempt from the SO2 emission limitations specified in paragraphs (D), (F), and (G) of OAC rule 3745-18-06 because natural gas is the only fuel burned.

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 II.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 rule.

Applicable Compliance Method:
 If required, compliance shall be determined in accordance with 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.
 Emission Limitation:
 0.020 pound of particulate emission per MMBtu of actual heat input.

Applicable Compliance Method:
 Compliance with the limit may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (33,000 cubic ft/hr) by 1.9 lbs particulates/million cubic feet (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-2 for natural gas combustion, 7/98) and dividing by the maximum heat input capacity of 33.0 MMBtu/hr.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0125041805 Emissions Unit ID: B003 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> |
|---|--|--|
| 23.1 MMBtu/hr boiler firing natural gas only | OAC rule 3745-31-05(A)(3) PTI 01-8233 | NOx emissions shall not exceed 1.13 lbs/hr and 4.9 tons/yr. CO emissions shall not exceed 1.89 lbs/hr and 8.3 tons/yr. VOC emissions shall not exceed 0.13 lb/hr and 0.6 ton/yr. Particulate emissions shall not exceed 0.04 lb/hr and 0.2 ton/yr. SO2 emissions shall not exceed 0.014 lb/hr and 0.06 ton/yr. |
| | OAC rule 3745-17-07(A)(1) | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. |
| | OAC rule 3745-17-10(B)(1) | 0.020 pound of particulate emissions per MMBtu of actual heat input. |
| | OAC rule 3745-18-06(A) | See A.2.a below. |

2. Additional Terms and Conditions

- (a) This emissions unit is exempt from the SO2 emission limitations specified in paragraphs (D), (F), and (G) of OAC rule 3745-18-06 because natural gas is the only fuel burned.

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 II.A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitations:
NOx emissions shall not exceed 1.13 lbs/hr and 4.9 tons/yr.

Applicable Compliance Method:
Compliance with the hourly limit may be determined by multiplying the maximum heat input capacity of the emissions unit (23.1 MMBtu/hr) by 0.049 lbs NOx/MMBtu of natural gas burned (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-1 for natural gas combustion, 7/98). The annual limit was established by multiplying the hourly emission limit by the maximum annual hours of operation (8760) and dividing by 2000 pounds/ton.

Emission Limitations:
CO emissions shall not exceed 1.89 lbs/hr and 8.3 tons/yr.

Applicable Compliance Method:
Compliance with the hourly limit may be determined by multiplying the maximum heat input capacity of the emissions unit (23.1 MMBtu/hr) by 0.082 lbs CO/MMBtu of natural gas burned (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-1 for natural gas combustion, 7/98). The

annual limit was established by multiplying the hourly emission limit by the maximum annual hours of operation (8760) and dividing by 2000 pounds/ton.

Emission Limitations:

VOC emissions shall not exceed 0.13 lb/hr and 0.6 ton/yr.

Applicable Compliance Method:

Compliance with the hourly limit may be determined by multiplying the maximum heat input capacity of the emissions unit (23.1 MMBtu/hr) by 0.0054 lbs VOC/MMBtu of natural gas burned (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-1 for natural gas combustion, 7/98). The annual limit was established by multiplying the hourly emission limit by the maximum annual hours of operation (8760) and dividing by 2000 pounds/ton.

Emission Limitations:

Particulate emissions shall not exceed 0.04 lb/hr and 0.2 ton/yr.

Applicable Compliance Method:

Compliance with the hourly limit may be determined by multiplying the maximum heat input capacity of the emissions unit (23.1 MMBtu/hr) by 0.0019 lbs particulate/MMBtu of natural gas burned (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-1 for natural gas combustion, 7/98). The annual limit was established by multiplying the hourly emission limit by the maximum annual hours of operation (8760) and dividing by 2000 pounds/ton.

Emission Limitations:

SO₂ emissions shall not exceed 0.014 lb/hr and 0.06 ton/yr.

Applicable Compliance Method:

Compliance with the hourly limit may be determined by multiplying the maximum heat input capacity of the emissions unit (23.1 MMBtu/hr) by 0.00059 lbs SO₂/MMBtu of natural gas burned (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-1 for natural gas combustion, 7/98). The annual limit was established by multiplying the hourly emission limit by the maximum annual hours of operation (8760) and dividing by 2000 pounds/ton.

Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance shall be determined in accordance with 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.

Emission Limitation:

0.020 pound of particulate emissions per MMBtu of actual heat input.

Applicable Compliance Method:

Compliance with the limit may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (22,647 cubic ft/hr) by 1.9 lb particulate/million cubic feet (emission factor from "Compilation of Air Pollutant Emission Factors, AP-42", Table 1.4-2 for natural gas combustion, 7/98) and dividing by the maximum heat input capacity of 23.1 MMBtu/hr.

F. Miscellaneous Requirements

1. None