

Facility ID: 0640000002 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: 064000002 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>
B001 - 18 MMBtu/hr natural gas fired water heater	OAC rule 3745-31-05(A)(3) (PTI 06-07514, issued 6/3/04)	Nitrogen oxide (NOx) emissions shall not exceed: 0.071 lb/MMBtu actual heat input, 1.28 lbs/hr, and 5.6 TPY; Carbon monoxide (CO) emissions shall not exceed: 0.146 lb/MMBtu actual heat input, 2.63 lbs/hr, and 11.5 TPY; Particulate emissions (PE) shall not exceed: 0.14 lb/hr, and 0.6 TPY; Sulfur dioxide (SO2) emissions shall not exceed: 0.01 lb/hr, and 0.05 TPY; Volatile Organic Compound (VOC) emissions shall not exceed: 0.14 lb/hr, and 0.65 TPY; Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average.
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-23-06. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-10(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	40CFR 60, Subpart Dc	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-23-06	The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in

Permit to Install 06-07514.

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. Pursuant to 40 CFR Part 60 Subpart Dc, the permittee shall record and maintain records of the amount of natural gas combusted during each day. These records shall be maintained by the permittee for a period of two years following the date of such record.

2. 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 the emissions unit. These reports shall be submitted within 30 days after the deviation occurs.

2. The permittee shall submit deviation (excursion) reports that identify each day during which records were not maintained on the amount of natural gas combusted in the emissions unit. These reports shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements1. Emission Limitations:
NOx emissions shall not exceed:
0.071 lb/MMBtu actual heat input,
1.28 lbs/hour and,
5.6 TPY.Compliance Methods:
The lb/MMBtu and lb/hr limits were established using manufacturer data.

If required, nitrogen oxides emissions shall be determined according to test Methods 1 - 4, and 7 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources".

Compliance with the annual limitation shall be assumed as long as compliance with the lb/hour limitation is maintained (the annual limitation was calculated by multiplying the lb/hour limitation by 8760, and then dividing by 2000).

2. Emission Limitation:
CO emissions shall not exceed:
0.146 lb/MMBtu actual heat input,
2.63 lbs/hour and,
11.5 TPY.Compliance Method:
The lb/MMBtu and lb/hr limits were established using manufacturer data.

If required, carbon monoxide emissions shall be determined according to test Methods 1 - 4, and 10 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources".

Compliance with the annual limitation shall be assumed as long as compliance with the lb/hour limitation is maintained (the annual limitation was calculated by multiplying the lb/hour limitation by 8760, and then dividing by 2000).

3. Emission Limitation:
PE shall not exceed:
0.14 lb/hr and,
0.6 TPY.Compliance Method:
The lb/hr limits were established using AP-42, Table 1.4-2, July 1998.

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.00745 lb PE per MMBtu natural gas burned (emission factor from AP-42, Table 1.4-2, July 1998).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 5.

4. Emission Limitation:
SO2 emissions shall not exceed:
0.01 lb/hour and,
0.05 TPY.Compliance Method:
The lb/hr limits were established using manufacturer data (AP-42, Table 1.4-2, July 1998).

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions

unit (18 MMBtu/hour) by 0.0006 lb SO₂ per MMBtu natural gas burned (emission factor from manufacturer data or AP-42, Table 1.4-2, July 1998).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6C.

5. Emission Limitation:
VOC emissions shall not exceed:
0.14 lb/hr and,
0.65 TPY.

Compliance Method:
The lb/hr limits were established using manufacturer data.

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.00833 lb VOC per MMBtu natural gas burned (emission factor from manufacturer data).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25 or 25A.

6. Emission Limitation:
Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average.

Compliance Method:
If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

F. **Miscellaneous Requirements**

1. None