

Facility ID: 0123010109 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: 0123010109 Emissions Unit ID: B006 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 and oil-fired steam boiler, having a maximum rated heat input of 38 mmBtu/hr. (PTI 01-1296)		Particulate emissions shall not exceed 2.4 tons/yr.  Sulfur dioxide emissions shall not exceed 30 tons/yr.
	OAC rule 3745-17-07(A)	See B.1 and B.2 below. Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input.
	OAC rule 3745-18-06(D)	Sulfur dioxide emissions shall not exceed 1.6 lbs/mmBtu of actual heat input.

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

**B. Operational Restrictions**

1. The oil burned in this emissions unit shall have a sulfur content less than 0.5%, by weight.
2. The quantity of oil burned in this emissions unit shall not exceed 845,000 gallons/yr.
3. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

**C. Monitoring and/or Record Keeping Requirements**

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Ohio EPA, Central District Office.
3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, 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 notify the Director (Ohio EPA, Central District Office) in writing of any record required by Section C which shows the following:
  - a. Any deviation of the sulfur content limitation from Section B.1 above.

b. Any deviation of the allowable sulfur dioxide emission limitation from Section A.1 based upon a volume-weighted average of the calculated sulfur dioxide emission rates.

c. That a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit.

The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Central District Office) within 45 days after the deviation occurs.

2. The permittee shall also submit annual reports for this emissions unit which specify the following information for the previous calendar year:

a. the total particulate emissions, in tons;

b. the total sulfur dioxide emissions, in tons; and

c. the total quantity of oil burned, in gallons.

These reports shall be submitted by January 31 of each year.

**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:

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

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitation:

Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input.

Applicable Compliance Method:

When firing fuel oil, compliance shall be determined by multiplying the maximum fuel oil capacity of the emissions unit (254 gallons/hr) by the AP-42 (Fifth Edition) emission factor for number two fuel oil combustion (2 lbs/1000 gallons), and dividing by the maximum hourly heat input capacity of the emissions unit (38 mmBtu/hr). When firing natural gas, compliance shall be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (33,000 cu.ft/hr) by the AP-42 (Fifth Edition) emission factor for natural gas combustion (6.2 lbs/mmCu.ft), and dividing by the maximum hourly heat input capacity of the emissions unit (38 mmBtu/hr). If required, the permittee shall demonstrate compliance with this limitation in accordance with the method(s) and procedures specified in OAC rule 3745-17-03(B)(9).

Emission Limitation:

Sulfur dioxide emissions shall not exceed 1.6 lbs/mmBtu of actual heat input.

Applicable Compliance Method:

When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments of oil during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

Emission Limitation:

Particulate emissions shall not exceed 2.4 tons/yr.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum fuel oil capacity of the emissions unit (254 gallons/hr) by the AP-42 (Fifth Edition) emission factor for number two fuel oil combustion (2 lbs/1000 gallons) by the total number of operating hours per year (8760), and dividing by 2000 lbs/ton.

Emission Limitation:

Sulfur dioxide emissions shall not exceed 30 tons/yr.

Applicable Compliance Method:

Compliance shall be determined based upon the records required pursuant to Section C.

**F. Miscellaneous Requirements**

1. None