

Facility ID: 1431070086 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: 1431070086 Emissions Unit ID: B005 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>
29.6 MMBtu/hr gas/#4 fuel oil fired boiler	OAC 3745-31-05 See F.	0.21 lb PM/MMBtu of actual heat input 0.62 lb SO <sub>2</sub> /MMBtu of actual heat input (when firing #4 fuel oil)  1.40 TPY PM  The annual PM emission limit is based on the PTE of the boiler; therefore, no record keeping, reporting or testing is required to demonstrate compliance with this limit.
	OAC 3745-17-07(A) See F.	Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average, except as specified by rule.
	OAC 3745-17-10(B) See F.	Less stringent than the BAT limitation outlined above.
	OAC 3745-18-06(D) See F.	Less stringent than the BAT limitation outlined above.

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

**B. Operational Restrictions**

1. The permittee shall comply with the following operating restrictions when burning #4 fuel oil:
  - a. The hours of operation when burning #4 fuel oil shall not exceed 1000 hours.
  - b. The sulfur content of the fuel shall not exceed 0.5 percent by weight, and shall have heat content sufficient to comply with the sulfur dioxide emission limitation of 0.62 lb/MMBtu.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

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

1. 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 appropriate Ohio EPA District Office or local air agency.
2. 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 sulfur dioxide emissions rate.
3. The permittee shall maintain a record of the hours of operation of this emissions unit while burning #4 fuel oil.

**D. Reporting Requirements**

1. The permittee shall submit, on an annual basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (wt. %) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
  - a. the total quantity of oil received in each shipment (gallons);
  - b. the weighted\* average sulfur content (wt. %) of each shipment of oil received during the calendar year;
  - c. the weighted\* average heat content (Btu/gallon) of each shipment of oil received during the calendar year;
  - d. the weighted\* average sulfur dioxide emission rate (lb/MMBtu) for each shipment oil received during the calendar year; and
  - e. the total hours of operation while burning #4 fuel oil.

\*In proportion to the quantity of oil received in each shipment during the calendar month.

These annual reports shall be submitted by January 15 of each year and shall cover the oil shipments received during the previous calendar year.

**E. Testing Requirements**

1. Compliance with the visible emissions limit shall be determined in accordance with the methods outlined in OAC 3745-17-03(A).
2. Compliance with the lb/MMBtu PM emission limit shall be demonstrated by using the emission factors as outlined in AP-42 Sections 1.3. and 1.4. for fuel oil and natural gas combustion, respectively, as revised 7/93.

If testing is required, PM emissions shall be determined in accordance with the methods specified in OAC 3745-17-03(B)(9).
3. Compliance with the SO<sub>2</sub> emission limit shall be demonstrated by using the calculation outlined in OAC 3745-18-04(F).

If testing is required, SO<sub>2</sub> emissions shall be determined in accordance with the methods specified in OAC 3745-18-04(E)(5).
4. Compliance with the hours of operation limit shall be demonstrated by the record keeping requirements in C.3.

**F. Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in the permit to install 14-616 as issued on December 28, 1984: A-E.