

Facility ID: 1409030215 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: 1409030215 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>
12.55 MMBTU/hr natural gas/ #2 oil fired boiler	OAC 3745-31-05 See F.	0.6 TPY PM 0.37 TPY PM10 16.73 TPY SO2 7.71 TPY NOx 1.93 TPY CO 0.31 TPY VOC
	40 CFR Part 60, Subpart Dc See F.	See A.2.a. and b. Less stringent than PTI.
	OAC 3745-17-07(A) See F.	See A.2.c.

2. Additional Terms and Conditions

- (a) The emissions when using natural gas as a fuel shall not exceed:
 - 0.006 LB PM/MMBTU of actual heat input
 - 0.006 LB PM10/MMBTU of actual heat input
 - 0.0006 LB SO2/MMBTU of actual heat input
 - 0.14 LB NOx/MMBTU of actual heat input
 - 0.034 LB CO/MMBTU of actual heat input
 - 0.0057 LB VOC/MMBTU of actual heat input
 The emissions when using No. 2 fuel oil as a fuel shall not exceed:
 - 0.014 LB PM/MMBTU of actual heat input
 - 0.0071 LB PM10/MMBTU of actual heat input
 - 0.51 LB SO2/MMBTU of actual heat input
 - 0.14 LB NOx/MMBTU of actual heat input
 - 0.036 LB CO/MMBTU of actual heat input
 - 0.0014 LB VOC/MMBTU of actual heat input
 Visible particulate emissions shall not exceed 20% percent opacity, as a six-minute average, except as specified by rule.

B. Operational Restrictions

1. No. 2 fuel oil usage in this emissions unit shall not exceed 471,000 gallons per year.
2. The quality of the #2 fuel oil burned in this emissions unit shall meet the following specifications on an "as-received" basis:
 - a. A maximum sulfur content of 0.5 % by weight.
 - b. Heat content greater than 140,000 Btu/gallon of oil.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the #2 fuel oil usage in this emissions unit, in gallons.

D. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (% by weight) and heat content (Btu/gallon) of each shipment of oil. The total quantity of oil received in each shipment (gallons) shall also be specified with the copies of the oil supplier's analyses.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall submit annual reports of the total amount of oil used, in gallons. These reports shall be submitted by February 15 of each year and shall contain the information for the previous twelve calendar months (January thru December).

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1 of these terms shall be determined in accordance with the following method(s):

a. Compliance with visible emissions limitations shall be determined by USEPA Method 9 of 40 CFR Part 60, Appendix A.

b. Compliance with PM/ PM10 emissions limitations shall be determined by multiplying the AP-42 PM emissions factor of 0.014 lb PM/ MMBTU of actual heat input for No. 2 fuel oil, 0.007 lb PM10/ MMBTU of actual heat input for No. 2 fuel oil with the quantity of No. 2 fuel oil used when burning No. 2 fuel oil and 0.006 lb PM-PM10 / MMBTU of actual heat input for natural gas by the maximum heat capacity of the boiler when burning natural gas.

c. Compliance with sulfur dioxide emissions limitations shall be determined by multiplying the AP-42 sulfur dioxide emissions factor of 0.51 lb SO₂ / MMBTU of actual heat input for 0.5 wt. % sulfur No. 2 fuel oil with the quantity of No. 2 fuel oil used when burning No. 2 fuel oil and 0.0006 lb SO₂ / MMBTU of actual heat input for natural gas by the maximum heat capacity of the boiler when burning natural gas.

d. Compliance with NO_x emissions limitations shall be determined by multiplying the AP-42 NO_x emissions factor of 0.14 lb NO_x/ MMBTU of actual heat input for No. 2 fuel oil with the quantity of No. 2 fuel oil used when burning No. 2 fuel oil and 0.14 lb NO_x / MMBTU of actual heat input for natural gas by the maximum heat capacity of the boiler when burning natural gas.

e. Compliance with CO emissions limitations shall be determined by multiplying the AP-42 CO emissions factor of 0.036 lb CO/ MMBTU of actual heat input for No. 2 fuel oil with the quantity of No. 2 fuel oil used when burning No. 2 fuel oil and 0.034 lb CO / MMBTU of actual heat input for natural gas by the maximum heat capacity of the boiler when burning natural gas.

f. Compliance with the annual usage limitations shall be determined by T&C C.1.

F. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-4212 as modified on 12-24-96: A-E.