

Facility ID: 1677130006 Issuance type: Draft 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: 1677130006 Emissions Unit ID: B006 Issuance type: Draft 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> |
|---|---|---|
| Natural Gas Fired Space Heater | PTI 16-1528 OAC 3745-17-07 (A) OAC 3745-17-10 | 0.020 pound of particulate matter emissions per million Btu of actual heat input. |

2. **Additional Terms and Conditions**
 - (a) This emissions unit shall burn natural gas only.

B. Operational Restrictions

1. The total NOx emissions from all the fuel burning equipment at this facility shall not exceed 78.4 tons, based upon a rolling, 12-month summation.
2. The permittee has agreed to accept limitations on natural gas and fuel oil consumption to keep the facility NOx emissions below 100 tons per year. The emission limitations and fuel consumption restrictions are for all of the following emissions units at this facility: B001, B002, B003, B004, B005, B006, B007, B008 and all the "de minimis" fuel burning equipment at the facility such as water heaters and small space heaters.
3. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels, as specified in the following table.

Month Maximum allowable cumulative facility-wide NOx emission (tons per year)

- 0- 1 10.0
- 1- 2 16.3
- 1- 3 22.9
- 1- 4 29.4
- 1- 5 36.0
- 1- 6 42.4
- 1- 7 48.9
- 1- 8 54.5
- 1- 9 61.0
- 1-10 66.2
- 1-11 71.9
- 1-12 78.4

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual NOx emission limit of 78.4 tons shall be based upon a rolling, 12-month summation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records which list the following information:
 - a. total amount of natural gas and/or #2 fuel oil consumed at the facility;
 - b. the amount of natural gas and/or #2 fuel oil consumed by emissions unit B001;
 - c. facility-wide NOx emissions, in tons;
 - d. the cumulative total of facility-wide NOx emissions during each of the first twelve months of operation following the issuance of this permit; and
 - e. after twelve months of operation following the issuance of this permit, the rolling, twelve-month summation of the NOx emissions.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month, facility-wide NOx emission limitation, and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum, monthly allowable cumulative facility-wide NOx emission limitation, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit annual reports which identify the following information:
 - a. total amount of natural gas and/or #2 fuel oil consumed at the facility;
 - b. the amount of natural gas and/or #2 fuel oil consumed by emissions unit B001;
 - c. facility-wide NOx emissions, in tons;
 - d. the cumulative total of the facility-wide NOx emissions during each of the first twelve months of operation following the issuance of this permit; and
 - e. after twelve months of operation following the issuance of this permit, the rolling, twelve-month summation of the NOx emissions.

These reports shall be submitted by February 15 of each year and shall include the data for the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in Sections A.1 and B.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

0.020 pound of particulate matter per million Btu of actual heat input

Applicable Compliance Method:

Multiply the particulate emission factor of 12.2 pounds of particulate emissions per million cubic feet of natural gas burned by the maximum hourly rate of .011 million cubic feet per hour, and divide by the maximum hourly heat input capacity (10.8 MMBtu/hr). The particulate emission factor was obtained from AP-42, Chapter 1.4, Table 1.4-2, dated October 96.

Emission Limitation:

78.4 TPY nitrogen oxides

Applicable Compliance Method:

The facility NOx emissions for each calendar month shall be calculated in accordance with the following equation:

$$[(0.00014X)+(0.02Y)+(0.00055Z)] / 2000 = \text{NOx}$$

Where:

X = amount of natural gas combusted during the month in all of the above-mentioned emissions units, except B001, in cubic feet.

Y = amount of #2 fuel oil combusted during the month, in all of the above-mentioned emissions units, in gallons.

Z = amount of natural gas combusted during the month in B001, in cubic feet.

NOx = nitrogen oxides emissions, in tons per year.

The emission factors in the equation above come from AP42, Chapter 1, table 1.4-1, dated 10/96.

During the first 12 calendar months of operation following the issuance of this permit, the calculated NOx emission rate for each month shall be added to the calculated emissions from the prior month(s) to determine the cumulative total for that month.

F. Miscellaneous Requirements

1. Sections A, B, C, D, E, and F of these terms and conditions constitute the federally enforceable portion of this permit.