

Facility ID: 0855780419 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: 0855780419 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>
250 mmBtu/hr No. 2 oil-fired turbine generator	OAC rule 3745-31-05(A)(3) PTI 08-1731	3.0 lbs/hr and 0.67 TPY particulates Visible emissions not to exceed 5% opacity. 0.83 lb/hr and 0.19 TPY CO 1.0 lbs/hr and 0.23 TPY organic compounds (OC) 126 lbs/hr and 28.32 TPY SO2 220 lbs/hr and 49.35 TPY NOx See Section B.1-2. below See Section B.3. below
	OAC rule 3745-35-07(B)	

2. **Additional Terms and Conditions**
 - (a) The lbs/hr emission limitations listed in Section A.1. for particulates, CO, OC, SO2, and NOx were developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

B. Operational Restrictions

1. The permittee shall burn only No. 2 fuel oil in this emissions unit.
2. The sulfur content of the No. 2 fuel oil burned in this emissions unit shall not exceed 0.5%, by weight.
3. The hours of operation for this emissions unit shall not exceed 200 hours in any one calendar month and shall not exceed 448 hours on a rolling, 12-month basis.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. The type and quantity, in gallons, of fuel burned.
 - b. The sulfur content, in percent by weight, of each shipment of fuel burned.
 - c. The hours of operation for the calendar month.
 - d. The hours of operation calculated as a rolling, 12-month summation.
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 in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the

total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports, in accordance with Section A.2. of the General Terms and Conditions, and shall include the following information:
 - a. An identification of each month during which the hours of operation exceeded 200 hours/month, and the actual hours of operation for each such month.
 - b. An identification of each month during which the rolling, 12-month summation of hours of operation exceeded 448 hours and the actual rolling, 12-month summation of operating hours for each such month.
2. The permittee shall submit deviation (excursion) reports that identify each month when a fuel other than no. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit, on a quarterly 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 (percent) for each shipment of oil. 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.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation -
3.0 lbs/hr particulates

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly No.2 fuel usage of 1.801 x 1000 gallons by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 1.67 lbs particulates/1000 gallons.

Emission Limitation -
0.67 TPY particulates

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section C.1 of this permit and shall be the sum of the monthly No.2 fuel usage for the calendar year multiplied by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 1.67 lbs particulates/1000 gallons, and divided by 2000 lbs/ton.

Emission Limitation -
0.83 lbs/hr CO

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly No.2 fuel usage of 1.801 x 1000 gallons by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 0.46 lbs CO/1000 gallons.

Emission Limitation -
0.19 TPY CO

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section C.1 of this permit and shall be the sum of the monthly No.2 fuel usage for the calendar year multiplied by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 0.46 lbs CO/1000 gallons, and divided by 2000 lbs/ton.

Emission Limitation -
1.0 lbs/hr OC

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly No.2 fuel usage of 1.801 x 1000 gallons by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 0.56 lbs OC/1000 gallons.

Emission Limitation -
0.23 TPY OC

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section C.1 of this permit and shall be the sum of the monthly No.2 fuel usage for the calendar year multiplied by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 0.56 lbs OC/1000 gallons, and divided by 2000 lbs/ton.

Emission Limitation -
126 lbs/hr SO₂

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly No.2 fuel usage of 1.801 x 1000 gallons by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 140.4 x (S) lbs SO₂/1000 gallons, where S = percent sulfur in fuel.

Emission Limitation -
28.32 TPY SO₂

Applicable Compliance Method -
Compliance shall be based upon the record keeping specified in Section C.1 of this permit and shall be the sum of the monthly No.2 fuel usage for the calendar year multiplied by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 140.4 x (S) lbs SO₂/1000 gallons, where S = percent sulfur in fuel. The product shall then be divided by 2000 lbs/ton.

Emission Limitation -
220 lbs/hr NO_x

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly No.2 fuel usage of 1.801 x 1000 gallons by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 122.32 lbs NO_x/1000 gallons.

Emission Limitation -
49.35 TPY NO_x

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section C.1 of this permit and shall be the sum of the monthly No.2 fuel usage for the calendar year multiplied by the AP-42 emission factor (Chapter 3.1, updated April 2000) of 122.32 lbs NOx/1000 gallons, and divided by 2000 lbs/ton.

Emission Limitation -

Visible emissions not to exceed 5% opacity

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

Operational Limitation -

Hours of operation shall not exceed 200 hours in any one calendar month

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section C.1 of this permit.

Operational Limitation -

Hours of operation shall not exceed 448 hours on a rolling, 12-month basis

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section C.1 of this permit.

Operational Limitation -

Sulfur content of the No. 2 fuel oil burned in this emissions unit shall not exceed 0.5%, by weight

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section C.1 of this permit.

F. Miscellaneous Requirements

1. None