

Facility ID: 0857041333 Issuance type: Title V Final Permit

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 III" and before "I. 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: 0857041333 Issuance type: Title V Final Permit

## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. The following insignificant emissions units are located at this facility:

P001 - Citric acid process  
P002 - Dryer  
T005 - 1B28 storage [PTI 08-0563]  
T006- 1B27 storage tank [PTI 08-0563]  
T007- 1B45 storage tank [PTI 08-2892]  
T008- 1B44 storage tank [PTI 08-2892]  
Z004- Ammonia tank

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified Permit to Install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

[Authority for term: OAC rule 3745-77-07(A)(13)]

2. The emissions of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 9.9 tons/year for any single HAP and 24.9 tons/year for any combination of HAPs, based on rolling, 12-month summations.

[Authority for Term: OAC rule 3745-77-07(A)(1)]

3. The permittee shall collect and record each month the following information for the entire facility:

- a. The total individual HAP emission rate, in tons.
- b. The total combined HAP emission rate, in tons.
- c. The rolling, 12- month total individual HAP emission rate for each HAP employed, in tons.
- d. The rolling, 12-month total combined HAPs emission rate for all the HAPs employed, in tons.

\*A listing of the HAPs can be found in Section 112 (b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local agency contact. This information does not have to be kept on a line-by-line basis.

[Authority for Term: OAC Rule 3745-77-07(C)(1)]

4. The permittee shall submit quarterly deviation (excursion) reports that include the following information:

- a. An identification of each month during which the rolling, 12-month individual HAP emission rate exceeded 9.9 tons, and the actual rolling, 12-month emission rate for each individual HAP for each such month (for the entire facility).

- b. An identification of each month during which the rolling, 12-month total combined HAP emission rate exceeded 24.9 tons, and the actual rolling, 12-month total combined HAP emission rate for each such month (for the entire facility).

These quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC Rule 3745-77-07(C)(1)]

5. The permittee shall submit annual reports that specify the individual and/or combined HAP emissions from the facility for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting

requirement may be satisfied by including the specific emission data from this facility in the annual Fee Emission Report.

[Authority for Term: OAC Rule 3745-77-07(C)(1)]

6. Compliance with the emission limitations in Section A.2 above shall be determined in accordance with the following methods:

a. Emission Limitation-  
9.9 tons for each individual HAP/rolling, 12-month period

Applicable Compliance Method-  
Compliance with the annual allowable individual HAP emission limitation above shall be based upon the record keeping requirements specified in Section A.3 above.

[Authority for Term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation-  
24.9 tons for all HAPs combined/rolling, 12-month period

Applicable Compliance Method-  
Compliance with the annual allowable combined HAPs emission limitation above shall be based upon the record keeping requirements specified in Section A.3 above.

[Authority for Term: OAC rule 3745-77-07(C)(1)]

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

**b State Only Enforceable Section**

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

T002- nitrogen storage tank  
T003- 1B23 storage tank  
Z001- Emergency generator  
Z002- North HCL storage tank  
Z003- South HCL storage tank  
Z004- Ammonia tank  
Z005- HCL re-use tank  
Z006- Octanol storage tank  
Z007- Dextrose storage  
Z008- Mycelium filtrate storage  
Z009- Polished filtrate storage  
Z010- Decationized citric storage  
Z011- Reuse HCL tank  
Z012- Reuse Citric Condensate tank  
Z013- Deionized Water storage  
Z014- Citric decationizer heel tank  
Z015- Waste equalization tank  
Z016- Waste Neutralization tank

- [Go to Part III for Emissions Unit B001](#)
- [Go to Part III for Emissions Unit B002](#)
- [Go to Part III for Emissions Unit B004](#)
- [Go to Part III for Emissions Unit P004](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

[Go to the top of this document](#)

Facility ID: 0857041333 Emissions Unit ID: B001 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
77.24 MM Btu/hr, natural gas/No. 2 oil-fired boiler	OAC rule 3745-31-05(A)(3) PTI 08-2281	The particulate emissions (PE) from this emissions unit shall not exceed 6.7 tons/yr.  The sulfur dioxide (SO <sub>2</sub> ) emissions from this emissions unit shall not exceed 271 tons/yr.  The organic compound (OC) emissions from this emissions unit shall not exceed 0.43 lb/hr and 1.9 tons/yr.  The nitrogen oxides (NO <sub>x</sub> ) emissions from this emissions unit shall not exceed 10.4 lbs/hr and 45.5 tons/yr.  The carbon monoxide (CO) emissions from this emissions unit shall not exceed 10.9 lbs/hr and 47.74 tons/yr.  Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.  The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-63(T), 3745-17-10(B)(1), 3745-23-06(B) and 3745-21-08(B). The PE from this emissions unit shall not exceed 0.020 pounds per MM Btu actual heat input. The sulfur dioxide emissions from this emissions unit shall not exceed 0.8 pounds per MM Btu actual heat input. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See A.I.2.b.
	OAC rule 3745-17-10(B)(1)	The PE from this emissions unit shall not exceed 0.020 pounds per MM Btu actual heat input.
	OAC rule 3745-18-63(T)	The sulfur dioxide emissions from this emissions unit shall not exceed 0.8 pounds per MM Btu actual heat input.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-23-06(B)	See A.I.2.b.
	OAC rule 3745-21-08(B)	See A.I.2.b.

2. Additional Terms and Conditions

- a. The hourly OC, CO and NO<sub>x</sub> and annual SO<sub>2</sub>, PE, OC, CO, and NO<sub>x</sub> emission limitations specified in this permit were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.
- b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in permit to install No. 08-2281.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.  
[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-2281]
2. The quality of oil burned in this emissions unit shall meet the following specifications on an as-received basis:
  - a. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.8 pound of sulfur dioxide/MMBTU actual heat input; and
  - b. greater than 135,000 BTU/gallon of oil.Compliance with the above-mentioned specifications shall be determined using the analytical results provided by the permittee or oil supplier for each shipment of oil.  
[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-2281]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**III. 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 SO<sub>2</sub> emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
2. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the director.  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
3. For each day during which the permittee burns a fuel other than natural gas and/or no. 2 fuel oil, the permittee shall maintain a record of the type and quantity of the fuel burned in this emissions unit.  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**IV. Reporting Requirements**

1. The permittee shall notify the Director (the RAPCA) in writing of any record showing a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the RAPCA) within 45 days after the deviation occurs.  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or no. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**V. 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 methods(s):
  - a. Emission Limitation -  
0.020 lb PE/mm Btu actual heat input

## Applicable Compliance Method -

The permittee shall demonstrate compliance with the PE limitation above based on the results of emission testing conducted pursuant to OAC rule 3745-17-03(B)(9).

For the use of natural gas, compliance may also be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0757 mm cu.ft/hr) by the USEPA reference document AP-42 [Section 1.4-2 (revised 9/98)] emission factor for natural gas (1.9 lbs PE/MM cu.ft), and then dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MM Btu/hr). The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.

For the use of No. 2 fuel oil, compliance may also be based upon multiplying the maximum fuel oil capacity of the emissions unit (544 gallons/hr) by the AP-42 [Section 1.3-1 (revised 9/98)] emission factor for No. 2 fuel oil (2 lbs PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MM Btu/hr).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

b. Emission Limitation -  
6.7 tons PE/yr

## Applicable Compliance Method -

The annual limitation above was developed by multiplying the lb/MM Btu emission limitation by maximum heat input capacity of the emissions unit (MM Btu/hr) and by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/MM Btu limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

c. Emission Limitation -  
0.8 lb SO<sub>2</sub>/mm Btu actual heat input, when burning No. 2 fuel oil

## Applicable Compliance Method -

Compliance shall be based upon the record keeping and analysis requirements specified in Section A.III of this permit, and the use of the equation contained in OAC rule 3745-18-04(F)(2).

If required, compliance with the SO<sub>2</sub> limitation above shall be based upon the results of stack testing conducted in accordance with USEPA Reference Methods 1 - 4 and 6 of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

d. Emission Limitation -  
271 tons SO<sub>2</sub>/yr

## Applicable Compliance Method(s) -

The annual limitation above was developed by multiplying the lb/MM Btu emission limitation by maximum heat input capacity of the emissions unit (MM Btu/hr) and by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/MM Btu limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

e. Emission Limitation -  
0.43 lb/hr OC

## Applicable Compliance Method -

Compliance may be determined by multiplying the USEPA reference document AP-42 [Section 1.4-2 (revised 9/98)] emission factor for natural gas (5.5 lbs OC/MM cu.ft) by the maximum hourly gas burning capacity (75,725 cu.ft/hr) of the emissions unit. The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

f. Emission Limitation -  
1.9 tons OC/yr

## Applicable Compliance Method(s) -

The annual emission limitation above was developed by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

g. Emission Limitation -  
10.9 lbs/hr CO

## Applicable Compliance Method -

The permittee shall demonstrate compliance with the hourly allowable CO emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 10 of 40 CFR Part 60, Appendix A.

Compliance may also be determined by multiplying the USEPA reference document AP-42 [Section 1.4-1 (revised 9/98)] emission factor for natural gas (84 lb CO/MM cu.ft.) by the maximum hourly gas burning capacity (75,725 cu.ft/hr) of the emissions unit. The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

- h. Emission Limitation -  
47.74 tons CO/yr

Applicable Compliance Method(s) -

The annual emission limitation above was developed by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

- i. Emission Limitation -  
10.4 lbs/hr NOx

Applicable Compliance Limitation -

The permittee shall demonstrate compliance with the hourly allowable NOx emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 7 of 40 CFR Part 60, Appendix A.

Compliance may also be determined by multiplying the USEPA reference document AP-42 [Section 1.4-1 (revised 9/98)] emission factor for natural gas (100 lbs NOx/MM cu.ft) by the maximum hourly gas burning capacity (75,725 cu.ft/hr) of the emissions unit. The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

- j. Emission Limitation -  
45.5 tons NOx/yr

Applicable Compliance Method -

The annual emission limitation above was developed by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

- k. Emission Limitation -  
Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 6 months after the effective date of this permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO and NOx.
- c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

CO, USEPA Reference Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

NOx, USEPA Reference Methods 1-4 and 7 or 7A of 40 CFR Part 60, Appendix A.

Alternative U.S.EPA-approved test methods may be used with prior approval from OHIO EPA.

- d. The tests shall be conducted while the emissions unit is operating at or near maximum capacity, unless otherwise specified or approved by the RAPCA.

e. Not later than 60 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(s) of the test(s), and the person (s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the RAPCA's refusal to accept the results of the emissions tests.

- f. Personnel from the RAPCA shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing

procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

g. A comprehensive written report on the results of the emissions test(s) shall be submitted 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the RAPCA.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

[Go to the top of this document](#)

Facility ID: 0857041333 Emissions Unit ID: B001 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

II. **Operational Restrictions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

IV. **Reporting Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

V. **Testing Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

- 1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

[Go to the top of this document](#)

Facility ID: 0857041333 Emissions Unit ID: B002 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
77.24 MM Btu/hr, natural gas/No. 2 oil-fired boiler or 54.3 MM Btu/hr used oil-fired boiler	OAC rule 3745-31-05(A)(3) PTI 08-2281	The particulate emissions(PE) from this emissions unit shall not exceed 0.24 pound per MM Btu actual heat input (when burning recycled used oil).  The PE from this emissions unit shall not exceed 57.0 tons/yr (when burning recycled, used oil).  The sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 190 tons/yr (when burning recycled, used oil).  The PE from this emissions unit shall not exceed 6.7 tons/yr (when burning natural gas or No.2 fuel oil).  The sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 271 tons/yr (when burning natural gas or No.2 fuel oil).  The organic compound (OC) emissions from this emissions unit shall not exceed 0.43 lb/hr and 1.9 tons/yr (when burning natural gas or No.2 fuel oil).  The nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 10.4 lbs/hr and 45.5 tons/yr (when burning natural gas or No.2 fuel oil). The carbon monoxide (CO) emissions from this emissions unit shall not exceed 10.9 lbs/hr and 47.74 tons/yr (when burning natural gas or No.2 fuel oil).  Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.  The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-63(T), 3745-17-10(B)(1), 3745-23-06(B) and 3745-21-08(B).
	OAC rule 3745-17-10(B)(1)	The PE from this emissions unit shall not exceed 0.020 pounds per MM Btu actual heat input (when burning natural gas or No.2 fuel oil).
	OAC rule 3745-18-63(T)	The sulfur dioxide emissions from this emissions unit shall not exceed 0.8 pounds per MM Btu actual heat input.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-23-06(B) OAC rule 3745-21-08(B)	See A.I.2.b.

- 2. Additional Terms and Conditions

- a. The hourly OC, CO and NOx and annual SO<sub>2</sub>, PE, OC, CO, and NOx emission limitations specified in this permit were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.
- b. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in permit to install No. 08-2281.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

## II. Operational Restrictions

1. All used oil burned in this emissions unit shall be "on-specification" (on-spec) oil and must meet the used oil fuel specifications contained in OAC 3745-279-11, which restricts the used oil to the following limitations:

### Contaminant/Property Allowable Specifications

sulfur 0.49% by weight, maximum  
 arsenic 5 ppm, maximum  
 cadmium 2 ppm, maximum  
 chromium 10 ppm, maximum  
 lead 100 ppm, maximum  
 total halogens 4,000 ppm maximum\*  
 flash point 100 degrees F, minimum;

and shall also not exceed the following maximum PCB and mercury limitations nor fall below the following heating value:

heat content 135,000 Btu/gallon, minimum  
 PCB's 50 ppm, maximum  
 mercury 1 ppm, maximum

\* Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under paragraph (B)(1) of rule 3745-279-10 of the Administrative Code. The permittee may receive and burn used oil exceeding 1,000 ppm total halogens (but less than 4,000 ppm maximum) only if the permittee has demonstrated that the used oil does not contain any hazardous waste pursuant to OAC rule 3745-279-63.

The burning of used oil not meeting the above limitations is prohibited in this emissions unit. The management and burning of used oil is subject to the Standards for the Management of Used Oil, OAC Chapter 3745-279, and the permittee shall document and assure that used oils burned in this emissions unit meet all of the applicable requirements of this Chapter.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-2281]

2. The quality of oil burned in this emissions unit shall meet the following specifications on an as-received basis:
  - a. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.8 pound of sulfur dioxide/MM Btu actual heat input; and
  - b. greater than 135,000 Btu/gallon of oil.

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

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-2281]

3. Pursuant to OAC rule 3745-17-10(B)(1), the total heat input for emissions unit B002, when burning recycled, used oil, is derated from 77.24 MM Btu/hr to 54.3 MM Btu/hr. At no time shall the steam flow rate from emissions unit B002, when burning recycled, used oil, exceed 41,000 pounds per hour (as an average over any one-hour period).

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-2281]

4. The burning of used oil in this emissions unit shall not exceed the rate of 388 gallons/hr.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-2281]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

## III. 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 SO<sub>2</sub> emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

2. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the director.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

3. The permittee shall receive and maintain the chemical analyses from the supplier/marketer for each shipment of used oil burned in this emissions unit, which shall contain the following information:

- a. the date the used oil was received at the facility;
- b. the name, address, and U.S. EPA identification number (if applicable) of the generator, transporter, processor/re-finer, supplier, and/or marketer;
- c. the results of the chemical analyses demonstrating the used oil meets the standards in OAC 3745-279-11, including:
  - i. arsenic content, in ppm;
  - ii. the cadmium content, in ppm;
  - iii. the chromium content, in ppm;
  - iv. the lead content, in ppm;
  - v. total halogens, in ppm; and
  - vi. the flash point
  - vii. the sulfur content (%) and the calculated SO<sub>2</sub> emissions rate (lb/mm Btu)
- d. the analysis demonstrating that the used oil has a total halogen content below 1,000 ppm, or below 4,000 ppm with the demonstration for the rebuttal of the presumption that the oil is hazardous waste or has been mixed with hazardous waste, as described in OAC rule 3745-279-63 (B); and
- e. the results of the analyses demonstrating that the used oil meets the heating value and mercury and PCB limitations contained in this permit.

Each analysis shall be kept in a readily accessible location for a period of not less than 3 years following the receipt of each shipment of used oil and shall be made available to the Ohio EPA Division of Hazardous Waste Management and/or the Division of Air Pollution Control (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request. Any authorized representative of the Ohio EPA may sample or require sampling of any used oil shipments received, stored, or burned by/at this facility for periodic detailed chemical analyses, through an independent laboratory.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

4. The permittee shall record and maintain hourly records of the amount of used oil, in gallons, used in this emissions unit.
5. When burning used oil, the permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

#### IV. Reporting Requirements

1. The permittee shall notify the Director (the RAPCA) in writing of any record showing a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the RAPCA) within 45 days after the deviation occurs.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

2. The permittee shall notify the Ohio EPA Division of Hazardous Waste Management and the Division of Air Pollution Control (the RAPCA, in writing and within 30 days, of burning any used oil exceeding the limitations found in OAC rule 3745-279-11 and/or any incident or occurrence of non-compliance with any other applicable requirement of OAC Chapter 3745-279; and shall also notify the Ohio EPA Division of Air Pollution Control, within the same amount of time, if any oil is/was burned which exceeds the mercury limitation of 1 ppm and/or is documented as having a heating value of less than 135,000 Btu/gallon.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

3. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and

Conditions of this permit, of all exceedances of the hourly restriction on the amount of oil employed of 388 gallons.

4. For the burning of used oil, the permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the RAPCA) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

**\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\***

**V. 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 methods(s):
  - a. Emission Limitation -  
0.020 lb PE/MM Btu actual heat input (when burning natural gas or No.2 fuel oil)  
  
Applicable Compliance Method -  
  
The permittee shall demonstrate compliance with the PE limitation above based on the results of emission testing conducted pursuant to OAC rule 3745-17-03(B)(9).  
  
For the use of natural gas, compliance may also be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0757 MM cu.ft/hr) by the USEPA reference document AP-42 [Section 1.4-2 (revised 9/98)] emission factor for natural gas (1.9 lbs PE/MM cu.ft), and then dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MM Btu/hr). The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.  
  
For the use of No. 2 fuel oil, compliance may also be based upon multiplying the maximum fuel oil capacity of the emissions unit (544 gallons/hr) by the AP-42 [Section 1.3-1 (revised 9/98)] emission factor for No. 2 fuel oil (2 lbs PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MM Btu/hr).  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
  - b. Emission Limitation -  
6.7 tons PE/yr (when burning natural gas or No.2 fuel oil)  
  
Applicable Compliance Method -  
The annual limitation above was developed by multiplying the 0.020 lb PE/MM Btu emission limitation by maximum heat input capacity of the emissions unit (MM Btu/hr) and by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/MM Btu limitation, compliance shall also be shown with the annual limitation.  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
  - c. Emission Limitation -  
0.8 lb SO<sub>2</sub>/MM Btu actual heat input, when burning No. 2 fuel oil  
  
Applicable Compliance Method -  
Compliance shall be based upon the record keeping and analysis requirements specified in Section A.III of this permit, and the use of the equation contained in OAC rule 3745-18-04(F)(2).  
  
If required, compliance with the SO<sub>2</sub> limitation above shall be based upon the results of stack testing conducted in accordance with USEPA Reference Methods 1 - 4 and 6 of 40 CFR Part 60, Appendix A.  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
  - d. Emission Limitation -  
271 tons SO<sub>2</sub>/yr (when burning natural gas or No.2 fuel oil)  
  
Applicable Compliance Method(s) -  
The annual limitation above was developed by multiplying the lb/MM Btu emission limitation by maximum heat input capacity of the emissions unit (MM Btu/hr) and by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/MM Btu limitation, compliance shall also be shown with the annual limitation.  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]
  - e. Emission Limitation -  
0.43 lb/hr OC (when burning natural gas or No.2 fuel oil)  
  
Applicable Compliance Method -  
Compliance may be determined by multiplying the USEPA reference document AP-42 [Section 1.4-2 (revised 9/98)] emission factor for natural gas (5.5 lbs OC/MM cu.ft) by the maximum hourly gas burning capacity (75,725 cu.ft/hr) of the emissions unit. The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.  
  
If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation

in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

f. Emission Limitation -

1.9 tons OC/yr (when burning natural gas or No.2 fuel oil)

Applicable Compliance Method(s) -

The annual emission limitation above was developed by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

g. Emission Limitation -

10.9 lbs/hr CO (when burning natural gas or No.2 fuel oil)

Applicable Compliance Method -

The permittee shall demonstrate compliance with the hourly allowable CO emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 10 of 40 CFR Part 60, Appendix A

Compliance may also be determined by multiplying the USEPA reference document AP-42 [Section 1.4-1 (revised 9/98)] emission factor for natural gas (84 lb CO/MM cu.ft.) by the maximum hourly gas burning capacity (75,725 cu.ft/hr) of the emissions unit. The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

h. Emission Limitation -

47.74 tons CO/yr (when burning natural gas or No.2 fuel oil)

Applicable Compliance Method(s) -

The annual emission limitation above was developed by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

i. Emission Limitation -

10.4 lbs/hr NOx (when burning natural gas or No.2 fuel oil)

Applicable Compliance Limitation -

The permittee shall demonstrate compliance with the hourly allowable NOx emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 7 of 40 CFR Part 60, Appendix A.

Compliance may also be determined by multiplying the USEPA reference document AP-42 [Section 1.4-1 (revised 9/98)] emission factor for natural gas (100 lbs NOx/MM cu.ft) by the maximum hourly gas burning capacity (75,725 cu.ft/hr) of the emissions unit. The maximum hourly gas burning capacity is based on a natural gas heating value of 1,020 Btu/lb.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

j. Emission Limitation -

45.5 tons NOx/yr (when burning natural gas or No.2 fuel oil)

Applicable Compliance Method -

The annual emission limitation above was developed by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

k. Emission Limitation -

Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

l. Emission Limitation -

57.0 tons PE/yr (when burning recycled, used oil).

Applicable Compliance Method(s) -

The annual limitation above was developed by multiplying the 0.24 lb PE/MM Btu emission limitation by maximum heat input capacity of the emissions unit (MM Btu/hr) and by the maximum operating schedule

of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/MM Btu limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

- m. Emission Limitation -  
0.24 lb PE/MM Btu actual heat input (when burning recycled, used oil).
- Applicable Compliance Method -  
The permittee shall demonstrate compliance with the PE limitation above based on the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

- n. Emission Limitation -  
190 tons SO<sub>2</sub>/yr (when burning recycled, used oil)
- Applicable Compliance Method -  
The annual limitation above was developed by multiplying the lb/MM Btu emission limitation by maximum heat input capacity of the emissions unit (54.3 MM Btu/hr) and by the maximum operating schedule of 8760 hrs/yr, and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/MM Btu limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-2281]

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 6 months after the effective date of this permit.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO and NO<sub>x</sub>.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:  
  
CO, USEPA Reference Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.  
  
NO<sub>x</sub>, USEPA Reference Methods 1-4 and 7 or 7A of 40 CFR Part 60, Appendix A.  
  
Alternative U.S.EPA-approved test methods may be used with prior approval from OHIO EPA.
  - d. The tests shall be conducted while the emissions unit is operating at or near maximum capacity, unless otherwise specified or approved by the RAPCA.
  - e. Not later than 60 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(s) of the test(s), and the person (s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the RAPCA's refusal to accept the results of the emissions tests.
  - f. Personnel from the RAPCA shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
  - g. A comprehensive written report on the results of the emissions test(s) shall be submitted 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the RAPCA.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

**Facility ID: 0857041333 Issuance type: Title V Final Permit**

[Go to the top of this document](#)

**Facility ID: 0857041333 Emissions Unit ID: B002 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**II. Operational Restrictions**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**IV. Reporting Requirements**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**V. Testing Requirements**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**VI. Miscellaneous Requirements**

- 1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

**Facility ID: 0857041333 Issuance type: Title V Final Permit**

**Part III - Terms and Conditions for Emissions Units**

[Go to the top of this document](#)

**Facility ID: 0857041333 Emissions Unit ID: B004 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
B004 - 72 mmBtu/hr, natural gas fired steam generating unit	OAC rule 3745-31-05(A)(3) PTI 08-04334	The particulate emissions (PE) from this emissions unit shall not exceed 6.31 tons/yr.  The sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.04 lb/hr and 0.18 ton/yr.  The organic compound (OC) emissions from this emissions unit shall not exceed 0.77 lb/hr and 3.38 tons/yr.  The nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 7.0 lbs/hr and 30.7 tons/yr.  The carbon monoxide (CO) emissions from this emissions unit shall not exceed 5.88 lbs/hr and 25.8 tons/yr.  Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Dc, OAC rules 3745-17-10(B)(1), 3745-23-06(B) and 3745-21-08(B).  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.020 pounds per mm Btu actual heat input.  See Section A.I.2. below.
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-10(B)(1)	
	40 CFR Part 60, Subpart Dc	
<b>2. Additional Terms and Conditions</b>		
a.	The hourly and annual OC, CO, SO2 and NOx emission limitations and annual PE limitation specified in this permit were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.	
b.	Since natural gas is the only fuel fired in this emissions unit, no SO2 emission limitation is established by OAC Chapter 3745-18 for this emissions unit.	
c.	Pursuant to 40 CFR Part 60, Subpart Dc, no SO2 emission limitation has been developed for this emissions unit because it burns only natural gas.	

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**II. Operational Restrictions**

1. The permittee shall burn only natural gas as fuel in this emissions unit.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04334]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

1. The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

[Authority for Term: OAC rule 3745-77-07(C)(1)]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

V. **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 methods(s):
  - a. Emission Limitation-  
0.020 pound of PE per mmBtu actual heat input  
  
Applicable Compliance Method-  
  
The permittee shall demonstrate compliance with the PE limitation above based on the results of emission testing conducted pursuant to OAC rule 3745-17-03(B)(9).  
  
Compliance may also be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.070 mm cu.ft/hr) by the USEPA reference document AP-42 [Section 1.4-2 (revised 9/98)] emission factor for natural gas (1.9 lbs PE/MM cu.ft), and then dividing by the maximum hourly heat input capacity of the emissions unit (72.0 MM Btu/hr).  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
  - b. Emission Limitation -  
6.31 tons PE/yr  
  
Applicable Compliance Method -  
As long as compliance is maintained with the 0.020 lb PE/MM Btu limitation, compliance with the annual limitation shall be shown [the annual emission limitation was calculated by multiplying the 0.020 lb PE/MM Btu limitation by the emissions unit maximum heat input capacity (72.0 MM Btu/hr) and by 8760 hrs/yr, and then dividing by 2000 lbs/ton].  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
  - c. Emission Limitation -  
0.04 lb SO<sub>2</sub>/hr  
  
Applicable Compliance Method -  
Compliance may be determined by multiplying the emission factor for natural gas (0.6 lb SO<sub>2</sub>/mm cu ft), as specified in AP-42, Chapter 1.4-2 (7revised /98), by the maximum hourly gas burning capacity (0.0700 MM cu ft/hour) of the emissions unit.  
  
If required, compliance with the SO<sub>2</sub> limitation above shall be based upon the results of stack testing conducted in accordance with USEPA Reference Methods 1 - 4 and 6 of 40 CFR Part 60, Appendix A.  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
  - d. Emission Limitation -  
0.18 ton SO<sub>2</sub>/yr  
  
Applicable Compliance Method -  
As long as compliance is maintained with the hourly SO<sub>2</sub> emission limitation, compliance with the annual limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly SO<sub>2</sub> limitation by 8760 hrs/yr, and then dividing by 2000 lb/ton).  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
  - e. Emission Limitation-  
7.0 lbs NO<sub>x</sub>/hour  
  
Applicable Compliance Method -  
  
The permittee shall demonstrate compliance with the hourly allowable NO<sub>x</sub> emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 7 of 40 CFR Part 60, Appendix A.  
  
Compliance may also be determined by multiplying the emission factor for natural gas (100 lbs NO<sub>x</sub>/mm cu ft), as specified in AP-42, Chapter 1.4-1 (revised 2/98), by the maximum hourly gas burning capacity (0.0700 mm cu ft/hour) of the emissions unit.  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
  - f. Emission Limitation -  
30.7 tons NO<sub>x</sub>/yr  
  
Applicable Compliance Method -  
As long as compliance is maintained with the hourly NO<sub>x</sub> emission limitation, compliance with the annual limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly NO<sub>x</sub> limitation by 8760 hrs/yr, and then dividing by 2000 lb/ton).  
  
[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]

- g. Emission Limitation -  
0.77 lb OC/hour
- Applicable Compliance Method -  
Compliance may be determined by multiplying the emission factor for natural gas (5.5 lbs OC/mm cu ft), as specified in AP-42, Chapter 1.4-2 (7/98), by the maximum hourly gas burning capacity (0.0700 mm cu ft/hour) of the emissions unit.
- If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A
- [Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
- h. Emission Limitation -  
3.38 tons OC/yr
- Applicable Compliance Method -  
As long as compliance is maintained with the hourly OC emission limitation, compliance with the annual limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly OC emission limitation by 8760 hrs/yr, and then dividing by 2000 lbs/ton).
- [Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
- i. Emission Limitation -  
5.88 lbs CO/hour
- Applicable Compliance Method -
- The permittee shall demonstrate compliance with the hourly allowable CO emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 10 of 40 CFR Part 60, Appendix A
- Compliance may be determined by multiplying the emission factor for natural gas (84 lbs CO/mm cu ft), as specified in AP-42, Chapter 1.4-1 (revised 2/98), by the maximum hourly gas burning capacity (0.0700 mm cu ft/hour) of the emissions unit.
- [Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
- j. Emission Limitation -  
25.8 tons CO/yr
- Applicable Compliance Method -  
As long as compliance is maintained with the hourly CO emission limitation, compliance with the annual limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly CO limitation by 8760 hrs/yr, and then dividing by 2000 lbs/ton).
- [Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
- k. Emission Limitation -  
Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.
- Applicable Compliance Method(s) -  
Compliance shall be determined by visible emission evaluations performed in accordance with USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.
- [Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04334]
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- The emission testing shall be conducted within 6 months after the effective date of this permit.
  - The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO and NOx.
  - The following test methods shall be employed to demonstrate compliance with the allowable emission rates:  
  
CO, USEPA Reference Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.  
  
NOx, USEPA Reference Methods 1-4 and 7 or 7A of 40 CFR Part 60, Appendix A.  
  
Alternative U.S.EPA-approved test methods may be used with prior approval from OHIO EPA.
  - The tests shall be conducted while the emissions unit is operating at or near maximum capacity, unless otherwise specified or approved by the RAPCA.
  - Not later than 60 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(s) of the test(s), and the person (s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the RAPCA's refusal to accept the results of the emissions tests.

f. Personnel from the RAPCA shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

g. A comprehensive written report on the results of the emissions test(s) shall be submitted 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the RAPCA.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

[Go to the top of this document](#)

Facility ID: 0857041333 Emissions Unit ID: B004 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

II. **Operational Restrictions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

IV. **Reporting Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

V. **Testing Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

[Go to the top of this document](#)

Facility ID: 0857041333 Emissions Unit ID: P004 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
Citric acid dryer/cooler with a wet scrubber	OAC rule 3745-31-05(A)(3) PTI 08-3938	The particulate emissions (PE) from this emissions unit shall not exceed 0.50 lb/hr and 2.19 tons/yr.
	OAC rule 37454-17-11(B)	The visible PE shall not exceed 5% opacity, as a 6-minute average.
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The lb/hr and tons/yr PE limitations specified in this permit were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

**II. Operational Restrictions**

1. This emissions unit shall be continuously controlled through the application of a wet scrubber particulate control device.  
  
[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3938]
2. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 10 inches of water at all times while the emissions unit is in operation.  
  
[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3938]
3. The scrubber water flow rate shall be continuously maintained at a value of not less than 65 gallons per minute at all times while the emissions unit is in operation.  
  
[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3938]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

1. The permittee shall properly operate and maintain equipment to continuously monitor the pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).

The permittee shall collect and record the following information each day:

- a. the pressure drop across the scrubber, in inches of water, on a once per shift basis;
- b. the scrubber water flow rate, in gallons per minute, on once a shift basis; and,
- c. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

2. These quarterly deviation reports (excursion) reports shall be submitted to the RAPCA by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

3. The permittee shall submit quarterly summary reports that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation. The quarterly summary reports shall be submitted by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

#### V. 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 methods(s):

- a. Emission limitation:  
0.50 lb PE/hr

Applicable Compliance Method:

If required, compliance with the hourly allowable PE limitation shall be based on the results stack testing conducted in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

- b. Emission limitation:  
2.19 tons PE/hr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

- c. Emission limitation:

Visible PE from any stack shall not exceed five percent opacity, as a six-minute average.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3938]

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

1. None

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857041333 Issuance type: Title V Final Permit

[Go to the top of this document](#)

Facility ID: 0857041333 Emissions Unit ID: P004 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

II. **Operational Restrictions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

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

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

IV. **Reporting Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

V. **Testing Requirements**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.\*\*\*

VI. **Miscellaneous Requirements**

1. None