

Facility ID: 0857101349 Issuance type: Title V Preliminary Proposed 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.

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted source are subject to public disclosure in accordance with OAC rule 3745-49-03.

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[Go to Part III for Emissions Unit B004](#)

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0857101349 Emissions Unit ID: B003 Issuance type: Title V Preliminary Proposed 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>
250 MMBtu/hr natural gas fired / No. 2 oil fired boiler.	PTI No. 08-1390	0.36 pound of sulfur dioxide per million BTU actual heat input
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per MMBTU actual heat input
	OAC rule 3745-23-06 (C)(1)	0.20 pound nitrogen oxides per MMBTU actual heat input, when burning natural gas.
	OAC rule 3745-23-06(C)(2)	0.30 pound of nitrogen oxides per MMBTU actual heat input when burning No. 2 oil
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, except for one 6-minute period in any hour when up to 60 percent is permissible

2. Additional Terms and Conditions

- a.
 - i. The permittee operates three natural gas/No. 2 oil fired boilers with Ohio EPA IDs 0857101349 B003, B004, and B005. Emissions unit B003 has a maximum rated capacity of 250 MMBTU/hr; B004, 150 MMBTU/hr; and B005, 150 MMBTU/hr.
- (a)
 - ii. The maximum No. 2 oil usage for the three boilers combined shall not exceed 25,887,000 gallons based on a rolling, 12-month summation of the No. 2 oil usage rates.
 - iii. The annual emissions of nitrogen oxides from the three boilers combined shall not exceed 543 tons based on a rolling, 12-month summation.
 - iv. Each of the three boilers is permitted to burn natural gas at maximum capacity at a maximum operating schedule of 8,760 hours per year. The maximum annual amount of natural gas that may be burned by the three boilers combined is 4,770.30 million cubic feet.

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II. Operational Restrictions

1. The quality of the 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 0.36 pound sulfur dioxide/mmBtu actual heat input.
 - b. Greater than 139,800 Btu/gallon of oil.

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

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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 SO₂ emission rate in lb/MMBTU.
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 and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. The permittee shall maintain monthly records of the following information for each of emissions units B003, B004, and B005 and the three boilers combined:
 - a. the amount of No. 2 oil burned (gallons);
 - b. the rolling, 12-month summation of the No. 2 oil usage (gallons);
 - c. the amount of natural gas burned (cubic feet);
 - d. the rolling, 12-month summation of natural gas usage (cubic feet);
 - e. the calculated emissions of nitrogen oxides (see Section V.1.d); and,
 - f. the rolling, 12-month summation of the nitrogen oxides emissions, in pounds or tons.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or Local Air Agency) of any deviation of the No. 2 oil specifications required in Section II above. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or Local Air Agency) within 45 days after the exceedance occurs.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of:
 - a. the rolling, 12-month summation of the No. 2 oil usage; and
 - b. the rolling, 12-month summation of the emissions of nitrogen oxides.

The report shall be in writing and shall be sent to the Director (Ohio EPA District Office or Local Air Agency) within 30 days after the exceedance occurs.
3. The permittee shall also submit annual reports which specify the total No. 2 oil usage and the nitrogen oxides emissions for emissions units B003, B004 and B005. These reports shall be submitted by January 31 of each year.

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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 Particulate/MMBTU actual heat input

Applicable Compliance Method -
For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.248 MMcu.ft/hr) by the AP-42 emission factor for natural gas (5.0 lbs particulate/million cubic feet), and dividing by the maximum hourly heat input capacity of the emissions unit (250 MMBTU/hr). For the use of No. 2 oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (1,748 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs particulate/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (250 MMBTU/hr).
 - b. Emission Limitation -
0.36 lb SO₂/MMBTU actual heat input of No. 2 oil

Applicable Compliance Method -
Compliance shall be based upon the record keeping and analysis requirements in III.1 and III.2, and use of the equation contained in OAC rule 3745-18-04(F)(2) and 3745-18-04(F)(3).
 - c. Emission Limitation -
0.20 pound of NO_x/MMBTU actual heat input when burning natural gas
0.30 pound of NO_x/MMBTU actual heat input when burning No. 2 oil

Applicable Compliance Method -
For the use of natural gas, compliance shall be based upon actual emission testing conducted on February 7, 1990, that resulted in an average nitrogen oxide emission rate of 0.0298 lb/MMBTU. For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 oil capacity of the emissions unit (1,748 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal.), and dividing by the maximum heat input capacity of the emissions unit (250 MMBTU/hr). If additional tests are conducted, the emissions test shall be carried out in accordance with the test methods and procedures

specified in 40 CFR Part 60, Appendix A, Method 7 through Method 7E.

d. Emission Limitation -
543 TPY NOx

Applicable Compliance Method -
Compliance shall be determined through the summation of nitrogen oxide emissions from the burning of No. 2 oil and natural gas.

i. The nitrogen oxide emissions from No. 2 oil shall be determined by the following:

For emissions unit B003: Each 12-month No. 2 oil usage summation (gal/yr) shall be multiplied by the AP-42 emission factor of 20 lbs/1,000 gal and divided by 2,000 lbs/ton.

For each emissions unit B004 and B005: Each 12-month No. 2 oil usage summation (gal/yr) shall be multiplied by the weighted average heat content of the No. 2 oil received for the 12-month summation period. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0152 lb NOx/MMBTU, and dividing by 2,000 lbs/ton.

ii. The nitrogen oxide emissions from natural gas shall be determined by the following:

For emissions unit B003: Each 12-month natural gas usage summation (cu. ft.) shall be multiplied by a heat content of 0.001 MMBTU/cu.ft. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0298 lb NOx/MMBTU, and dividing by 2,000 lbs/ton.

For each emissions unit B004 and B005: Each 12-month natural gas usage summation (cu.ft.) shall be multiplied by a heat content of 0.001 MMBTU/cu.ft. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0252 lb NOx/MMBTU, and dividing by 2,000 lbs/ton.

The nitrogen oxide emissions will then be summed for each 12-month summation period.

e. Emission Limitation -
20% opacity, as a 6-minute average

Applicable Compliance Method(s) -
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.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0857101349 Emissions Unit ID: B003 Issuance type: Title V Preliminary Proposed 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>
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2. Additional Terms and Conditions

1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0857101349 Emissions Unit ID: B004 Issuance type: Title V Preliminary Proposed 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>
150 MMBtu/hr natural gas fired / No. 2 oil fired boiler.	PTI No. 08-1390	0.36 pound of sulfur dioxide per million BTU actual heat input
Same as above	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per MMBTU actual heat input
Same as above	OAC rule 3745-23-06 (C)(1)	0.20 pound nitrogen oxides per MMBTU actual heat input, when burning natural gas.
Same as above	OAC rule 3745-23-06(C)(2)	0.30 pound of nitrogen oxides per MMBTU actual heat input when burning No. 2 oil
Same as above	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, except for one 6-minute period in any hour when up to 60 percent is permissible

2. **Additional Terms and Conditions**

- a. i. The permittee operates three natural gas/No. 2 oil fired boilers with Ohio EPA IDs 0857101349 B003, B004, and B005. Emissions unit B003 has a maximum rated capacity of 250 MMBTU/hr; B004, 150 MMBTU/hr; and B005, 150 MMBTU/hr.

- (a)
- ii. The maximum No. 2 oil usage for the three boilers combined shall not exceed 25,887,000 gallons based on a rolling, 12-month summation of the No. 2 oil usage rates.
 - iii. The annual emissions of nitrogen oxides from the three boilers combined shall not exceed 543 tons based on a rolling, 12-month summation.
 - iv. Each of the three boilers is permitted to burn natural gas at maximum capacity at a maximum operating schedule of 8,760 hours per year. The maximum annual amount of natural gas that may be burned by the three boilers combined is 4,770.30 million cubic feet.

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II. Operational Restrictions

- 1. The quality of the 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 0.36 pound sulfur dioxide/mmBtu actual heat input.
 - b. Greater than 139,800 Btu/gallon of oil.

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

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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 SO₂ emission rate in lb/MMBTU.
- 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 and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
- 3. The permittee shall maintain monthly records of the following information for each of emissions units B003, B004, and B005 and the three boilers combined:
 - a. the amount of No. 2 oil burned (gallons);
 - b. the rolling, 12-month summation of the No. 2 oil usage (gallons);
 - c. the amount of natural gas burned (cubic feet);
 - d. the rolling, 12-month summation of natural gas usage (cubic feet);
 - e. the calculated emissions of nitrogen oxides (see Section V.1.d); and,
 - f. the rolling, 12-month summation of the nitrogen oxides emissions, in pounds or tons.

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IV. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate District Office or Local Air Agency) of any deviation of the No. 2 oil specifications required in Section II above. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or Local Air Agency) within 45 days after the exceedance occurs.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of:
 - a. the rolling, 12-month summation of the No. 2 oil usage; and
 - b. the rolling, 12-month summation of the emissions of nitrogen oxides.

The report shall be in writing and shall be sent to the Director (Ohio EPA District Office or Local Air Agency) within 30 days after the exceedance occurs.
- 3. The permittee shall also submit annual reports which specify the total No. 2 oil usage and the nitrogen oxides emissions for emissions units B003, B004 and B005. These reports shall be submitted by January 31 of each year.

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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 Particulate/MMBTU actual heat input
- Applicable Compliance Method -
For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.149 MMcu.ft/hr) by the AP-42 emission factor for natural gas (5.0 lbs particulate/million cubic feet), and dividing by the maximum hourly heat input capacity of the emissions unit (150 MMBTU/hr). For the use of No. 2 oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (1,073 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs particulate/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (150 MMBTU/hr).
- b. Emission Limitation -
0.36 lb SO₂/MMBTU actual heat input of No. 2 oil
- Applicable Compliance Method -
Compliance shall be based upon the record keeping and analysis requirements in III.1 and III.2, and use of the equation contained in OAC rule 3745-18-04(F)(2) and 3745-18-04(F)(3).
- c. Emission Limitation -
0.20 pound of NO_x/MMBTU actual heat input when burning natural gas
0.30 pound of NO_x/MMBTU actual heat input when burning No. 2 oil
- Applicable Compliance Method -
For the use of natural gas, compliance shall be based upon actual emission testing conducted on February 7, 1990, that resulted in an average nitrogen oxide emission rate of 0.0298 lb/MMBTU. For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 oil capacity of the emissions unit (1,748 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal.), and dividing by the maximum heat input capacity of the emissions unit (250 MMBTU/hr). If additional tests are conducted, the emissions test shall be carried out in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Method 7 through Method 7E.
- d. Emission Limitation -
543 TPY NO_x
- Applicable Compliance Method -
Compliance shall be determined through the summation of nitrogen oxide emissions from the burning of No. 2 oil and natural gas.
- i. The nitrogen oxide emissions from No. 2 oil shall be determined by the following:
- For emissions unit B003: Each 12-month No. 2 oil usage summation (gal/yr) shall be multiplied by the AP-42 emission factor of 20 lbs/1,000 gal and divided by 2,000 lbs/ton.
- For each emissions unit B004 and B005: Each 12-month No. 2 oil usage summation (gal/yr) shall be multiplied by the weighted average heat content of the No. 2 oil received for the 12-month summation period. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0152 lb NO_x/MMBTU, and dividing by 2,000 lbs/ton.
- ii. The nitrogen oxide emissions from natural gas shall be determined by the following:
- For emissions unit B003: Each 12-month natural gas usage summation (cu. ft.) shall be multiplied by a heat content of 0.001 MMBTU/cu.ft. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0298 lb NO_x/MMBTU, and dividing by 2,000 lbs/ton.
- For each emissions unit B004 and B005: Each 12-month natural gas usage summation (cu.ft.) shall be multiplied by a heat content of 0.001 MMBTU/cu.ft. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0252 lb NO_x/MMBTU, and dividing by 2,000 lbs/ton.
- The nitrogen oxide emissions will then be summed for each 12-month summation period.
- e. Emission Limitation -
20% opacity, as a 6-minute average
- Applicable Compliance Method(s) -
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.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0857101349 Emissions Unit ID: B004 Issuance type: Title V Preliminary Proposed 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. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0857101349 Emissions Unit ID: B005 Issuance type: Title V Preliminary Proposed 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>
150 MMBtu/hr natural gas fired / No. 2 oil fired boiler.	PTI No. 08-1390	0.36 pound of sulfur dioxide per million BTU actual heat input
Same as above	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per MMBTU actual heat input
Same as above	OAC rule 3745-23-06 (C)(1)	0.20 pound nitrogen oxides per MMBTU actual heat input, when burning natural gas.
Same as above	OAC rule 3745-23-06(C)(2)	0.30 pound of nitrogen oxides per MMBTU actual heat input when burning No. 2 oil
Same as above	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, except for one 6-minute period in any hour when up to 60 percent is permissible

2. Additional Terms and Conditions

- a.
 - i. The permittee operates three natural gas/No. 2 oil fired boilers with Ohio EPA IDs 0857101349 B003, B004, and B005. Emissions unit B003 has a maximum rated capacity of 250 MMBTU/hr; B004, 150 MMBTU/hr; and B005, 150 MMBTU/hr.
- (a)
 - ii. The maximum No. 2 oil usage for the three boilers combined shall not exceed 25,887,000 gallons based on a rolling, 12-month summation of the No. 2 oil usage rates.
 - iii. The annual emissions of nitrogen oxides from the three boilers combined shall not exceed 543 tons based on a rolling, 12-month summation.
 - iv. Each of the three boilers is permitted to burn natural gas at maximum capacity at a maximum operating schedule of 8,760 hours per year. The maximum annual amount of natural gas that may be burned by the three boilers combined is 4,770.30 million cubic feet.

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II. Operational Restrictions

1. The quality of the 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 0.36 pound sulfur dioxide/mmBtu actual heat input.
 - b. Greater than 139,800 Btu/gallon of oil.

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

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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 SO2 emission rate in lb/MMBTU.
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 and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. The permittee shall maintain monthly records of the following information for each of emissions units B003, B004, and B005 and the three boilers combined:
 - a. the amount of No. 2 oil burned (gallons);
 - b. the rolling, 12-month summation of the No. 2 oil usage (gallons);
 - c. the amount of natural gas burned (cubic feet);
 - d. the rolling, 12-month summation of natural gas usage (cubic feet);
 - e. the calculated emissions of nitrogen oxides (see Section V.1.d); and,
 - f. the rolling, 12-month summation of the nitrogen oxides emissions, in pounds or tons.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or Local Air Agency) of any deviation of the No. 2 oil specifications required in Section II above. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or Local Air Agency) within 45 days after the exceedance occurs.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of:
 - a. the rolling, 12-month summation of the No. 2 oil usage; and
 - b. the rolling, 12-month summation of the emissions of nitrogen oxides.

The report shall be in writing and shall be sent to the Director (Ohio EPA District Office or Local Air Agency) within 30 days after the exceedance occurs.
3. The permittee shall also submit annual reports which specify the total No. 2 oil usage and the nitrogen oxides emissions for emissions units B003, B004 and B005. These reports shall be submitted by January 31 of each year.

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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 Particulate/MMBTU actual heat input

Applicable Compliance Method -
For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.149 MMcu.ft/hr) by the AP-42 emission factor for natural gas (5.0 lbs particulate/million cubic feet), and dividing by the maximum hourly heat input capacity of the emissions unit (150 MMBTU/hr). For the use of No. 2 oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (1,073 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs particulate/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (150 MMBTU/hr).
 - b. Emission Limitation -
0.36 lb SO₂/MMBTU actual heat input of No. 2 oil

Applicable Compliance Method -
Compliance shall be based upon the record keeping and analysis requirements in III.1 and III.2, and use of the equation contained in OAC rule 3745-18-04(F)(2) and 3745-18-04(F)(3).
 - c. Emission Limitation -
0.20 pound of NO_x/MMBTU actual heat input when burning natural gas
0.30 pound of NO_x/MMBTU actual heat input when burning No. 2 oil

Applicable Compliance Method -
For the use of natural gas, compliance shall be based upon actual emission testing conducted on February 7, 1990, that resulted in an average nitrogen oxide emission rate of 0.0298 lb/MMBTU. For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 oil capacity of the emissions unit (1,748 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal.), and dividing by the maximum heat input capacity of the emissions unit (250 MMBTU/hr). If additional tests are conducted, the emissions test shall be carried out in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Method 7 through Method 7E.
 - d. Emission Limitation -
543 TYPY NO_x

Applicable Compliance Method -
Compliance shall be determined through the summation of nitrogen oxide emissions from the burning of No. 2 oil and natural gas.
 - i. The nitrogen oxide emissions from No. 2 oil shall be determined by the following:

For emissions unit B003: Each 12-month No. 2 oil usage summation (gal/yr) shall be multiplied by the AP-42 emission factor of 20 lbs/1,000 gal and divided by 2,000 lbs/ton.

For each emissions unit B004 and B005: Each 12-month No. 2 oil usage summation (gal/yr) shall be multiplied by the weighted average heat content of the No. 2 oil received for the 12-month summation period. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0152 lb NO_x/MMBTU, and dividing by 2,000 lbs/ton.
 - ii. The nitrogen oxide emissions from natural gas shall be determined by the following:

For emissions unit B003: Each 12-month natural gas usage summation (cu. ft.) shall be multiplied by a heat content of 0.001 MMBTU/cu.ft. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0298 lb NOx/MMBTU, and dividing by 2,000 lbs/ton.

For each emissions unit B004 and B005: Each 12-month natural gas usage summation (cu.ft.) shall be multiplied by a heat content of 0.001 MMBTU/cu.ft. The result shall then be multiplied by the average emission rate determined from a compliance test conducted on February 7, 1990 of 0.0252 lb NOx/MMBTU, and dividing by 2,000 lbs/ton.

The nitrogen oxide emissions will then be summed for each 12-month summation period.

- e. Emission Limitation -
20% opacity, as a 6-minute average

Applicable Compliance Method(s) -
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.

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VI. **Miscellaneous Requirements**

- 1. None

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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. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None