

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.

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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 following insignificant emissions units are located at this facility. 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 a Permit to Install for the emissions unit.

P001: Citric Acid Manufacturing Process
P002: 9T1 Citric Acid Dryer
P003: Lime Silo
T002: 3,000 Gallon Pressurized Nitrogen Storage Tank
T003: 8176 Gallon Caustic Soda Storage Tank
T005: 12,000 Gallon Petroleum Naptha Storage Tank
T006: 15,000 Gallon Amine Storage Tank
T007: 32,650 Gallon Oil Storage Tank
T008: 32,650 Gallon Oil Storage Tank
Z001: Stand-by Emergency Generator
Z002: 16,000 Gallon HCl Storage Tank (North)
Z003: 16,000 Gallon HCl Storage Tank (South)
Z004: 15,000 Gallon Ammonia Storage Tank (Pressurized)
Z005: 2,500 Gallon HCl Re-use Tank
Z006: 12,950 Gallon Octanol Storage Tank

2. The permittee is hereby notified that this permit and all agency records concerning these permitted emissions units are subject to public disclosure in accordance with OAC rule 3745-49-03.

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[Go to Part III for Emissions Unit B002](#)

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Part III - Terms and Conditions for Emissions Units

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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 MMBTU/HR natural gas or No. 2 oil-fired boiler	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.
same as above	3745-18-63(T)	0.8 lb SO ₂ /MMBTU actual heat input
same as above	3745-17-10 (B)(1)	0.020 lb Particulate/MMBTU actual heat input

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. Emissions unit B001 shall be restricted to the use of natural gas or No. 2 fuel oil at all times.
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.

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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.

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IV. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) of any deviation of the

fuel oil specifications in Section II.2 above. The notification shall include a copy of the record and shall be sent to the Director (appropriate District Office or local air agency) within 45 days after the exceedance occurs.

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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 (74,000 cu.ft/hr) by the AP-42 emission factor for natural gas (3 lbs/MMcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MMBTU/hr). For the use of No. 2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (544 gal/hr) by the AP-42 emission factor for No. 2 fuel oil (2 lb/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MMBTU/hr).
 - b. Emission Limitation -
0.8 lb SO2/MMBTU actual heat input

Applicable Compliance Method -
Compliance shall be based upon the analytical results of each shipment of oil, using the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual emission rate.
 - c. 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: 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>
77.24 MMBTU/hr natural gas and No. 2 oil-fired boiler	PTI #08-2281	Particulate Matter: 6.7 TPY; SO2: 271 TPY; Organic Compounds: 0.43 lb/hr, 1.9 TPY; NOx: 10.4 lbs/hr, 45.4 TPY; CO: 10.9 lbs/hr; 47.7 TPY
		5% opacity, as a 6-minute average

2. **Additional Terms and Conditions**

- a. The lbs/hr and TPY limitations specified in this permit were established for PTI purposes to reflect the potential to emit for the emission unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.

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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. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation -
6.7 TPY particulate matter

Applicable Compliance Method -
The 6.7 tons per year limitation was developed by multiplying the 1.54 lbs/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided that compliance is shown with the 0.020 lb/MMBTU limitation, compliance will also be shown with the annual limitation.
 - b. Emission Limitation -
271 TPY SO₂

Applicable Compliance Method -
The 271 TPY limitation was developed by multiplying the 61.8 lbs SO₂/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the 0.8 lb SO₂/MMBTU limitation, compliance will also be shown with the annual limitation.
 - c. Emission Limitation -
0.43 lb/hr organic compounds

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (5.8 lbs/MM cu.ft) by the maximum hourly gas burning capacity (74,000 cu.ft) of the emissions unit.
 - d. Emission Limitation -
1.9 TPY Organic compounds

Applicable Compliance Method -
The 1.9 TPY limitation was developed by multiplying the 0.43 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - e. Emission Limitation -
10.4 lbs/hr NO_x

Applicable Compliance Limitation -
Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (140 lbs/MM cu.ft) by the maximum hourly gas burning capacity (74,000 cu.ft) of the emissions unit.
 - f. Emission Limitation -
45.4 TPY NO_x

Applicable Compliance Method -
The 45.4 TPY limitation was developed by multiplying the 10.4 lbs/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- g. Emission Limitation -
10.9 lbs/hr CO

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (35 lb/MM cu.ft.) by the maximum hourly gas burning capacity (74,000 E4 cu.ft) of the emissions unit.
- h. Emission Limitation -
47.7 TPY CO

Applicable Compliance Method -
The 47.7 TPY limitation was developed by multiplying the 10.9 lbs/hr by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- i. Emission Limitation -
5% Opacity, as a 6-minute average

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

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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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>
54.3 MMTBU/hr used oil or 77.24 MMBTU/hr No.2 oil or natural gas-fired boiler	PTI # 08-2281	For the burning of recycled used oil: Particulate Matter: 0.24 lb/MMBTU actual heat input, For the burning of natural gas or No. 2 fuel oil: Particulate Matter: 0.020 lb/MMBTU actual heat input, 0.8 lb SO2/MMBTU actual heat input
same as above	3745-18-63(T)	When burning natural gas or No. 2 fuel oil: 0.020 lb/MMBTU particulate matter
same as above	3745-17-10 (B)(1)	Opacity shall not exceed 20 percent, except for one 6-minute period in any hour when up to 60 percent is permissible.
same as above	3745-17-07(A)	

2. Additional Terms and Conditions

- (a) None

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II. **Operational Restrictions**

1. Pursuant to OAC rule 3745-17-10, the total heat input for B002, when burning recycled, used oil, is derated from 77.24 MMBTU/hr to 54.3 MMBTU/hr. At no time shall the steam flow rate from B002, when burning recycled, used oil, exceed 41,000 pounds per hour (as an average over any one-hour period).
2. The burning of used oil in this emissions unit shall not exceed the rate of 388 gallons/hr.
3. The quality of No. 2 fuel 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 lb SO₂/MMBTU actual heat input; and
 - b. greater than 135,000 BTU/gallon 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.

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

1. For each shipment of oil received for burning in this emissions unit, other than recycled used oil, 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 continuously monitor and record the steam flow rate from B002. Incremental steam flow readings shall be determined at a frequency of no less than four for each sixty minute period.
3. The permittee shall maintain monthly records for this emissions unit which include the following information:
 - a. the quantity, in gallons, of recycled, used oil burned;
 - b. the total number of hours the emission unit was in operation burning recycled, used oil.
 - c. the average hourly recycled, used oil burn rate, i.e., (a)/(b), in gallons per hour (average).

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IV. **Reporting Requirements**

1. If for any reason the steam flow rate from B002 exceeds 41,000 pounds per hour, as an average when burning recycled, used oil, the following information shall be reported to the Director (appropriate District Office or Local Air Agency) within 5 business days after the exceedance:
 - a. the date of the exceedance;
 - b. the time interval over which the exceedance occurred;
 - c. the value of the exceedance;
 - d. the cause(s) of the exceedance;
 - e. the corrective action which has been or will be taken to prevent similar exceedances in the future; and
 - f. a copy of the steam chart which shows the exceedance.
2. The permittee shall notify the Director (DO or LAA) of any deviation of the fuel oil specifications required in Section II above. The notification shall include a copy of the record and shall be sent to the Director (appropriate District Office or Local Air Agency) within 45 days after the exceedance occurs.
3. The permittee shall submit deviation (excursion) reports which identify each month during which the average hourly recycled, used oil burn rate exceeded 388 gallons/hr and the actual average hourly recycled, used oil burn rate for the month. The report shall be in writing and submitted to the Director (appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedance occurs.

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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 /MMBTU actual heat input (when burning natural gas or No. 2 fuel oil)

Applicable Compliance Method -
For the use of natural gas, compliance shall be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (74,000 cu.ft/hr) by the AP-42 emission factor for natural gas (3 lbs/MMcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MMBTU/hr). For the use of No. 2 fuel oil, compliance shall be determined by multiplying the maximum

fuel oil capacity of the emissions unit (544 gal/hr) by the AP-42 emission factor for No. 2 fuel oil (2 lbs/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (77.24 MMBTU/hr).

- b. 0.24 lb/MMBTU particulate matter (when burning recycled, used oil)
 - Applicable Compliance Method -
 - Compliance shall be based on stack testing per OAC 3745-17-03(B)(9).
- c. Emission Limitation -
 - 0.8 lb SO2/MMBTU actual heat input (when burning recycled, used oil)
 - Applicable Compliance Method -
 - Compliance shall be based upon the analytical results for each shipment of oil, using the equation contained in OAC rule 3745-18-04(F)(2).
- d. 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: 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>
77.24 MMBTU/hr Natural gas/No. 2 fuel oil or 54.3 MMBTU/hr when burning recycled, used oil	PTI #08-2281	For the burning of natural gas and/or No. 2 fuel oil: PM: 6.74 TPY SO2: 271 TPY OC: 0.43 lb/hr, 1.9 TPY; NOx: 10.4 lbs/hr, 45.4 TPY; CO: 10.9 lbs/hr, 47.7 TPY For the burning of recycled, used oil: Particulate Matter: 57 TPY; SO2: 190 TPY; Arsenic: 0.0014 lb/hr, 0.006 TPY; Cadmium: 0.0046 lb/hr, 0.02 TPY; Chromium: +6: 0.0048 lb/hr, 0.021 TPY; Lead: 0.18 lb/hr, 0.79 TPY 5% opacity, as a 6-minute average

- 2. **Additional Terms and Conditions**

- a. The lbs/hr and TPY limitations specified in this permit were established for PTI purposes to reflect the potential to emit for the emission unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.

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II. Operational Restrictions

1. All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property Specification

Sulfur 0.49% by weight, maximum
 Arsenic 5 ppm, maximum
 Cadmium 2 ppm, maximum
 Chromium 10 ppm, maximum
 Lead 100 ppm, maximum
 PCBs 2 ppm, maximum
 Total Halogens 4000 ppm, maximum
 Mercury 1 ppm, maximum
 Flash Point 100 degrees F, minimum
 Heat Content 135,000 BTU/gallon, minimum

2. Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 266.40(c) and OAC rule 3745-58-50. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Solid and Hazardous Waste Management that the used oil does not contain any hazardous waste.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall receive a chemical analysis with each shipment of recycled, used oil from the supplier and maintain adequate records of the information. The analysis shall identify the name and address of the supplier, the supplier's U.S. EPA identification number and, at a minimum, include:
- date of shipment or delivery;
 - quantity of used oil received;
 - the BTU value of the used oil;
 - the flash point of the used oil;
 - the sulfur content (%) and the calculated SO₂ emission rate (lb/MMBTU);
 - the arsenic content;
 - the cadmium content;
 - the chromium content;
 - the lead content;
 - the PCB content;
 - the total halogen content; and
 - the mercury content

The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility.

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 collect a representative grab sample of oil from the recycled, used oil storage tank on a quarterly basis. The analysis shall be performed in accordance with the test methods specified by OAC rule 3745-54-13 and 40 CFR Part 264.13. The permittee shall perform, or have performed, analyses for the parameters listed in section A.III.1.
4. Any representative of the Ohio EPA or RAPCA may require or may conduct periodic, detailed chemical analysis through an independent laboratory of any recycled, used oil shipment received by this facility or any recycled, used oil storage tank located on the company's site, or of any sample drawn at the boiler (B002) employing recycled, used oil as fuel.

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IV. Reporting Requirements

1. None

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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 -
6.74 TPY particulate matter (when burning natural gas or No. 2 fuel oil)

Applicable Compliance Method -
The 6.7 tons per year limitation was developed by multiplying the 1.54 lbs/hr limitation by the maximum operating schedule of 8760 hr/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - b. Emission Limitation -
271 TPY SO₂ (when burning No. 2 fuel oil as worst case)

Applicable Compliance Method -
The 271 TPY limitation was developed by multiplying the 61.8 lbs SO₂/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - c. Emission Limitation -
10.4 lbs/hr NO_x (when burning natural gas as worst case)

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (140 lb/MM cu.ft.) by the maximum hourly gas burning capacity (74,000 cu.ft.) of the emissions unit.
 - d. Emission Limitation -
45.4 TPY NO_x (when burning natural gas as worst case)

Applicable Compliance Method -
The 45.4 TPY limitation was developed by multiplying the 10.4 lbs/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - e. Emission Limitation -
0.43 lb/hr organic compounds (when burning natural gas as worst case)

Applicable Compliance Method -
Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (5.8 lb/MM cu.ft.) by the maximum hourly gas burning capacity (74,000 cu.ft.) of the emissions unit.
 - f. Emission Limitation -
1.9 TPY organic compounds (when burning natural gas as worst case)

Applicable Compliance Method -
The 1.9 TPY limitation was developed by multiplying the 0.43 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - g. Emission Limitation -
10.9 lbs/hr CO (when burning natural gas as worst case)

Applicable Compliance Method(s) -
Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (35 lb/MM cu.ft.) by the maximum hourly gas burning capacity (74,000 cu.ft.) of the emissions unit.
 - h. Emission Limitation -
47.7 TPY CO (when burning natural gas as worst case)

Applicable Compliance Method -
The 47.7 TPY limitation was developed by multiplying the 10.9 lbs/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - i. Emission Limitation -
57 TPY Particulate Matter (when burning recycled, used oil)

Applicable Compliance Method -
The 57 TPY limitation was developed by multiplying the 13.0 lbs/hr limitation by the maximum operating schedule of 8760 hr/yr, divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - j. Emission Limitation -
190 TPY SO₂ (when burning recycled, used oil)

- Applicable Compliance Method -
The 190 TPY limitation was developed by multiplying the 61.8 lbs SO₂/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- k. Emission Limitation -
0.0046 lb/hr Cadmium (when burning recycled, used oil)
- Applicable Compliance Method -
Compliance shall be based on stack testing using the USEPA Reference Method 29 as specified in 40 CFR Part 60, Appendix A.
- l. Emission Limitation -
0.02 TPY Cadmium (when burning recycled, used oil)
- Applicable Compliance Method -
The 0.02 TPY limitation was developed by multiplying the 0.0046 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will be shown with the annual limitation.
- m. Emission Limitation -
0.18 lb/hr Lead (when burning recycled, used oil)
- Applicable Compliance Method -
Compliance shall be based on stack testing using the USEPA Reference Method 29 as specified in 40 CFR Part 60, Appendix A.
- n. Emission Limitation -
0.79 TPY Lead (when burning recycled, used oil)
- Applicable Compliance Method -
The 0.79 TPY limitation was developed by multiplying the 0.18 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will be shown with the annual limitation.
- o. Emission Limitation -
0.0048 lb/hr Chromium +6 (when burning recycled, used oil)
- Applicable Compliance Method -
Compliance shall be based on stack testing using the USEPA Reference Method 29 as specified in 40 CFR Part 60, Appendix A.
- p. Emission Limitation -
0.021 TPY Chromium +6 (when burning recycled, used oil)
- Applicable Compliance Method -
The 0.021 TPY limitation was developed by multiplying the 0.0048 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will be shown with the annual limitation.
- q. Emission Limitation -
0.0014 lb/hr Arsenic (when burning recycled, used oil)
- Applicable Compliance Method -
Compliance shall be based on stack testing using the USEPA Reference Method 29 as specified in 40 CFR Part 60, Appendix A.
- r. Emission Limitation -
0.006 TPY Arsenic (when burning recycled, used oil)
- Applicable Compliance Method -
The 0.006 TPY limitation was developed by multiplying the 0.0014 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will be shown with the annual limitation.
- s. Emission Limitation -
5% opacity, as a 6-minute average
- Applicable Compliance Method -
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.
2. The permittee shall conduct, or have conducted, performance testing 6 months prior to permit renewal on the air contaminant emissions unit(s), to demonstrate compliance with the allowable mass emissions rate for particulate matter, SO₂, arsenic, cadmium, chromium +6, and lead. The emissions test(s) shall be conducted in accordance with the methods and procedures specified in OAC rule 3745-17-03 (for

particulate), 3745-18-04(E)(1) (for SO₂), 40 CFR Part 60, Appendix A (for arsenic, cadmium, chromium +6, and lead).

- a. The test(s) shall be conducted while the emissions unit is operating at its maximum rated capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to assure that the emissions unit operation and testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

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

VI. **Miscellaneous Requirements**

1. None