

Facility ID: 1677010999 Issuance type: Title V Draft 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. 40 CFR Part 82 - Protection of Stratospheric Ozone
 - a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82 Subpart F, except as provided for MVACs in Subpart B:
 - i. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to Section 82.156.
 - ii. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to Section 82.158.
 - iii. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to Section 82.161.
 - iv. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to Section 82.166.
 - v. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to Section 82.156.
 - vi. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to Section 82.166.
 - b. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G, Significant New Alternative Policy Program.

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b State Only Enforceable Section

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

K004 - Oil Dip Tank #634
 L007 - Portable Parts Washers
 P004 - Plant A Plate Shop
 P006 - Sulfuric Acid Anodizing Tanks
 P007 - Dow Line Anodizing Dip Tanks
 P009 - Oxy Acetylene Cutting Machine
 P011 - Grit Blaster
 P012 - Pangborn Rotoblast Machine
 P013 - Shot Peening Machine
 P015 - Electric Grieve Oven #539
 P016 - Heavy Duty Gas Fired Lindberg Furnace #560
 P018 - Masco Single Spindle Hydraulic Drill Units
 P021 - Grieve Furnace Model 33 DUP #678
 P022 - Tocco Induction Furnace and Hot Press
 P023 - Grieve Oven-18 kW-Model JB 500
 P024 - Clicking Press ENCO 360 #271
 P025 - Timesaver Belt Sander #549
 P026 - Electrochemical Deburring Machine #564
 P027 - Electric Embrittlement Relief Ovens
 P030 - Timesaver Belt Sander #530
 P033 - Carbon Disk Finishing Machine
 P035 - Plastic Media Blasting Cabinet
 R001 - Carpentry Shop Paint Booth
 Z001 - Walsh Rotary Parts Washer

Z002 - Photo Lab

Z003 - Instapacker Foam Package System
Z004 - Rosemont Vibratory Bowl Finishing Machine
Z005 - Mart Electric Power Washer
Z051 - Cincinnati Machining Center #393
Z052 - L&C NC Profiturn 50
Z053 - W-S Turret Type Lathe #167
Z054 - CA Dauer Gas Oven
Z055 - Wet Machining Coolant System-Dept. 661
Z056 - Drill Semi-Auto/Splitter-Thinner
Z057 - Milling Machine
Z058 - Milling Machine
Z059 - K & T Machining Center N/C
Z060 - Plastic Media Blast System (Pram) #243
Z061 - Research and Development Equipment-Dept. 693
Z100 - Lab Hoods - Met Lab
Z101 - Wet Machining - Dept 623
Z102 - TSD Microbore
Z103 - Rosemont Vibratory Debur Machine #772
Z104 - Rosemont Vibratory Debur Machine #771
Z105 - Wet Machining - Dept 625
Z200 - Mart Tornado Parts Washer
Z201 - Tocco Induction Hardener #569
Z202 - Westinghouse Induction Hardener #574
Z203 - Ramco Part Washer
Z204 - Wet Machining - Dept. 650
Z300 - Centri Flow Deburring Machine #546
Z301 - Centri Flow Deburring Machine #557
Z302 - Wheelabrator Shotpeen Machine #523
Z303 - Vibratory Finishing Machine #529
Z304 - Vibratory Finishing Machine #562
Z305 - Imprex Resin Imbedding Equipment
Z306 - Rotary Deburring Equipment
Z307 - Hot Water Washer
Z308 - Henry Filter Broach #524
Z309 - Wet Machining
Z400 - Ultrasonic Safety Kleen Degreaser
Z401 - Safety Kleen Degreaser
Z402 - Safety Kleen Dryer
Z403 - Solvent Vacuum Still
Z404 - Stoddard Solvent Cold Cleaner
Z405 - Wet Machining - Dept 655
Z500 - Deoxidize Tank B171-1
Z502 - Desmut Tank B172
Z504 - Sodium Dichromate Seal Tank B274
Z605 - Henry Separator Coolant System #584
Z606 - Henry Separator
Z607 - Double Ended Robotic Metal Cutter
Z608 - Disc Sander Machine #552
Z609 - Delta Belt Sander #558
Z610 - Centri-Flow Deburring Finishing Machine #542
Z611 - Centri-Flow Deburring Finishing Machine #543
Z612 - Centri-Flow Deburring Finishing Machine #544
Z613 - Centri-Flow Deburring Finishing Machine #545
Z615 - Wet Machining - Dept 660
Z700 - Stoddard Solvent Cold Cleaner
Z701 - NC Machining Equipment Dept 679 Machine #205
Z702 - Kearney & Trecher Horizontal Simplex
Z703 - Monarch Cortland Machine Center
Z704 - Conap Table and Small Grieve Oven
Z705 - Tool and Die Repair Equipment - Dept 668
Z706 - Instapacker Foam Packaging System
Z800 - Research and Development Dept 700
Z801 - Fuel Oil Storage Tank
Z900 - MEK Cold Cleaner

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.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1677010999 Emissions Unit ID: B001 Issuance type: Title V Draft 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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning natural gas:		
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:		
	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
2. 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 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);

- b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.
- *In proportion to the quantity of oil received in each shipment during the calendar month.
- 2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
 - 3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
- 2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
- 3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- 4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

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V. Testing Requirements

- 1. Compliance with the emission limitations in Section A.1.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

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

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.
 - b. Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.
 - c. Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

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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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.I.2.a below.

2. **Additional Terms and Conditions**

- a. The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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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: 1677010999 Emissions Unit ID: B002 Issuance type: Title V Draft 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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
When burning natural gas:	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
When burning fuel oil:	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
2. 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 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO2 per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.
2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

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V. **Testing Requirements**

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

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

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.
 - b. Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.
 - c. Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

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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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.1.2.a below.

2. Additional Terms and Conditions

- a. The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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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: 1677010999 Emissions Unit ID: B003 Issuance type: Title V Draft 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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning natural gas:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
2. 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 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

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

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.
2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.

3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

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V. **Testing Requirements**

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

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

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.
 - b. Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.
 - c. Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: B003 Issuance type: Title V Draft 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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.I.2.a below.

2. **Additional Terms and Conditions**

a. The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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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: 1677010999 Emissions Unit ID: B004 Issuance type: Title V Draft 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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning natural gas:		

	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
2. 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 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

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

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.
2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

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V. **Testing Requirements**

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

- a. Emission Limitation:
 0.020 pound of particulate matter per million Btu of actual heat input
 Applicable Compliance Method:
 To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.
 To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.
- b. Emission Limitation:
 1.10 pounds of sulfur dioxide per million Btu of actual heat input
 Applicable Compliance Method:
 When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.
- c. Emission Limitation:
 20% opacity as a six-minute average
 Applicable Compliance Method:
 OAC rule 3745-17-03(B)(1)

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1677010999 Emissions Unit ID: B004 Issuance type: Title V Draft 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>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.I.2.a below.

2. **Additional Terms and Conditions**

- a. The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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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: 1677010999 Emissions Unit ID: K001 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. **Additional Terms and Conditions**

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

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II. Operational Restrictions

1. The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. 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 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1 and the operational restriction in Section A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

To determine the actual worst case particulate emissions rate, the following equation shall be used:

$$E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$$

E = particulate emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.
 - c. Operational Restriction:

use of no more than 3 gallons of coatings per day

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: K001 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. **Additional Terms and Conditions**

- a. The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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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: 1677010999 Emissions Unit ID: K002 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

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II. Operational Restrictions

1. The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. 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 30 days after the event occurs.

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

V. **Testing Requirements**

1. Compliance with the emission limitations in Section A.I.1 and the operational restriction in Section A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
 - 20% opacity as a six-minute average
 - Applicable Compliance Method:
 - OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
 - 0.551 lb/hr of particulate matter
 - Applicable Compliance Method:
 - To determine the actual worst case particulate emissions rate, the following equation shall be used:
 - $E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$
 - $E = \text{particulate emissions rate (lbs/hr)}$
 - $TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$
 - $CE = \text{fractional control efficiency of the control equipment}$
 - If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.
 - c. Operational Restriction:
 - use of no more than 3 gallons of coatings per day
 - Applicable Compliance Method:
 - Daily records shall be maintained of the daily usage of all coatings employed.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: K002 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.1.2.a below.

2. **Additional Terms and Conditions**

- a. The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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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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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1677010999 Emissions Unit ID: K003 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booths with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule

OAC rule 3745-17-11 0.551 lb/hr of particulate matter

OAC rule 3745-21-09(U) See A.II.1 below.

2. **Additional Terms and Conditions**

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

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II. **Operational Restrictions**

1. The permittee shall employ no more than 3.0 gallons of coating in any one day in any one of the individual paint booths.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

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

1. The permittee shall collect and record the following information each day for the coating lines:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

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IV. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. 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 30 days after the event occurs.

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V. **Testing Requirements**

1. Compliance with the emission limitations in Section A.I.1 and the operational restriction in Section A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

To determine the actual worst case particulate emissions rate, the following equation shall be used:

$E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$

E = particulate emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

c. Operational Restriction:

use of no more than 3 gallons of coatings per day per coating line.

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1677010999 Emissions Unit ID: K003 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. **Additional Terms and Conditions**

- a. The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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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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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1677010999 Emissions Unit ID: K006 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. **Additional Terms and Conditions**

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

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II. **Operational Restrictions**

- 1. The permittee shall employ no more than 3.0 gallons of coating in any one day in this emissions unit.
- 2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

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

- 1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and

- c. the total volume, in gallons, of all of the coatings employed.
- 2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

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IV. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
- 2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. 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 30 days after the event occurs.

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V. Testing Requirements

- 1. Compliance with the emission limitations in Section A.I.1 and the operational restriction in Section A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
 - 20% opacity as a six-minute average
 - Applicable Compliance Method:
 - OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
 - 0.551 lb/hr of particulate matter
 - Applicable Compliance Method:
 - To determine the actual worst case particulate emissions rate, the following equation shall be used:
 - $E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$
 - $E = \text{particulate emissions rate (lbs/hr)}$
 - $TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$
 - $CE = \text{fractional control efficiency of the control equipment}$
 - If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.
 - c. Operational Restriction:
 - use of no more than 3.0 gallons of coatings per day
 - Applicable Compliance Method:
 - Daily records shall be maintained of the daily usage of all coatings employed.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 1677010999 Emissions Unit ID: K006 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-1191)	See B.II.1 below.

2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. The permittee shall employ no more than 1.0 gallon of coating in any one day in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each day for the coating line:
 - a. The name and identification number of each coating employed.
 - b. The volume, in gallons, of each coating employed.
 - c. The total volume, in gallons, of all of the coatings employed.

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IV. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

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V. Testing Requirements

- 1. None

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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: 1677010999 Emissions Unit ID: K007 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2) (e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

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II. Operational Restrictions

1. The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. 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 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1 and the operational restriction in Section A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
 - 20% opacity as a six-minute average
 - Applicable Compliance Method:
 - OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
 - 0.551 lb/hr of particulate matter
 - Applicable Compliance Method:
 - To determine the actual worst case particulate emissions rate, the following equation shall be used:
 - $E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$
 - E = particulate emissions rate (lbs/hr)
 - TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used
 - CE = fractional control efficiency of the control equipment
 - If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.
 - c. Operational Restriction:
 - use of no more than 3 gallons of coatings per day
 - Applicable Compliance Method:
 - Daily records shall be maintained of the daily usage of all coatings employed.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: K007 Issuance type: Title V Draft 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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. **Additional Terms and Conditions**

- a. The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less

stringent than the daily usage restriction determined to be acceptable to USEPA.

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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: 1677010999 Emissions Unit ID: P001 Issuance type: Title V Draft 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>
Continuous chemical vapor deposition furnace and two heat treat furnaces (Plant F- Dept. 665) with thermal incinerator	OAC rule 3745-31-05 (PTI 16-815)	4.51 lbs/hr of organic material

2. **Additional Terms and Conditions**

- a. This emissions unit shall be controlled with a thermal incinerator with at least an 85 percent overall control efficiency.

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II. **Operational Restrictions**

1. The average temperature of the exhaust gases from the thermal incinerator, for any 3-hour block of time, shall not be less than 1400 degrees Fahrenheit while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the average temperature of the exhaust gases from the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

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

- a. all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit.
2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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V. Testing Requirements

1. 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 3 months after issuance of the permit and within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate and the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for organic compounds, Method 25 of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for organic compounds are specified below.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency", dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
3. Not later than 30 days prior to the proposed test date(s), the permittee 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 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.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests 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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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: P001 Issuance type: Title V Draft 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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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1677010999 Emissions Unit ID: P036 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. Additional Terms and Conditions

- a. This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- b. The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

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II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

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

- a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.
2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

3. The deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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V. **Testing Requirements**

1. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
3. 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 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.
4. Not later than 30 days prior to the proposed test date(s), the permittee 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).
5. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests 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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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: P036 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal	OAC rule 3745-31-05	2.47 lbs/hr of organic material

- incinerator (PTI 16-1531)
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. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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 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.
3. Not later than 30 days prior to the proposed test date(s), the permittee 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).
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 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 appropriate Ohio EPA District Office or local air agency.

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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: 1677010999 Emissions Unit ID: P037 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. Additional Terms and Conditions

- a. This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- b. The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

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II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

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

- a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.
2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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V. **Testing Requirements**

1. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
3. 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 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.
4. Not later than 30 days prior to the proposed test date(s), the permittee 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).
5. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests 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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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: P037 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	2.47 lbs/hr of organic material
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. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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 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.
3. Not later than 30 days prior to the proposed test date(s), the permittee 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).
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 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 appropriate Ohio EPA District Office or local air agency.

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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: 1677010999 Emissions Unit ID: P038 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.1.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.1.2.b below.

2. Additional Terms and Conditions

- a. This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- b. The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

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II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

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

- a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.
2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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V. Testing Requirements

1. 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 prior to permit renewal.

- b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- 2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
- 3. 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 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.
- 4. Not later than 30 days prior to the proposed test date(s), the permittee 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).
- 5. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests 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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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1677010999 Emissions Unit ID: P038 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	2.47 lbs/hr of organic material

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. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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 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.
3. Not later than 30 days prior to the proposed test date(s), the permittee 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).
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 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 appropriate Ohio EPA District Office or local air agency.

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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: 1677010999 Emissions Unit ID: P039 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. **Additional Terms and Conditions**
 - a. This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
 - b. The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

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II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

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

- a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.
2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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V. Testing Requirements

1. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
3. 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 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.
4. Not later than 30 days prior to the proposed test date(s), the permittee 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).
5. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests 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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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: P039 Issuance type: Title V Draft 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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	1.92 lbs/hr of organic material

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. 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 prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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 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.
3. Not later than 30 days prior to the proposed test date(s), the permittee 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).
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 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 appropriate Ohio EPA District Office or local air agency.

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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: 1677010999 Emissions Unit ID: R002 Issuance type: Title V Draft 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.

Applicable Emissions Limitations/Control

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Measures</u>
Binks paint spray booth for coating carbon disks with an anti-oxidant coating	OAC rule 3745-31-05 (PTI 16-1550)	See A.II.1 below.
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-07(G)	See A.II.1 below.
2. Additional Terms and Conditions		
(a) None		

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II. Operational Restrictions

1. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.
2. The permittee shall operate the exhaust filter system when this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the volume, in gallons, of each coating and cleanup material employed;
 - c. the total volume, in gallons, of all of the coatings and cleanup materials employed; and
 - d. whether the coating and cleanup materials are photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5).
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the exhaust filter system was in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include an identification of each day during which any photochemically reactive coatings and/or materials were employed, and the actual average daily organic compound emissions for each such day.
2. The permittee shall submit deviation (excursion) reports that identify all days when this emissions unit was in operation and the exhaust filter system was not in service.
3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1 and the operational restriction in Section A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
 - 20% opacity as a six-minute average
 - Applicable Compliance Method:
 - OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
 - 0.551 lb/hr of particulate matter
 - Applicable Compliance Method:

To determine the actual worst case particulate emissions rate, the following equation shall be used:

$$E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$$

E = particulate emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

c. Operational Restriction:

use of nonphotochemically reactive materials only

Applicable Compliance Method:

In accordance with section A.III.1, daily records will be maintained of the company identification for each coating and cleanup material employed.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1677010999 Emissions Unit ID: R002 Issuance type: Title V Draft 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>
Binks paint spray booth for coating carbon disks with an anti-oxidant coating	OAC rule 3745-31-05 (PTI 16-1550)	0.5 lb/hr of organic compounds 0.1 lb/hr of nitric acid (HNO3)
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. The permittee shall collect and record the following information for each month for the coating operation:
 - a. the company identification for each coating and cleanup material employed;

- b. the number of gallons of each coating and cleanup material employed;
- c. the organic compound and HNO₃ content of each coating and cleanup material, in pounds per gallon;
- d. the total organic compound and HNO₃ emission rate for all coatings and cleanup materials, in pounds per day;
- e. the total number of hours the emissions unit was in operation; and
- f. the average hourly organic compound and HNO₃ emission rate for all coatings and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. an identification of each month during which the average hourly total organic compound emissions exceeded 0.5 lb/hr, and the actual average hourly organic compound emissions for each such month; and
 - b. an identification of each month during which the average hourly HNO₃ emissions exceeded 0.1 lb/hr, and the actual average hourly HNO₃ emissions for each such month.

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V. Testing Requirements

1. Compliance with the emission limitations in Section B.1.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

0.5 lb/hr of organic compounds

Applicable Compliance Method:

Monthly records shall be maintained of the organic compound content of each coating and cleanup material employed, the monthly usage of each coating and cleanup material employed, and the calculated average hourly organic compound emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the organic compound content of each coating and cleanup material.
 - b. Emission Limitation:

0.1 lb/hr of HNO₃

Applicable Compliance Method:

Monthly records shall be maintained of the HNO₃ content of each coating and cleanup material employed, the monthly usage of each coating and cleanup material employed, and the calculated average hourly HNO₃ emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the HNO₃ content of each coating and cleanup material.

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VI. Miscellaneous Requirements

1. None