

Facility ID: 1318202137 Issuance type: Title V Draft Permit

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In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. None

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Facility ID: 1318202137 Issuance type: Title V Draft Permit

### b State Only Enforceable Section

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

B005 - B010 Gas-Fired Air Heaters  
 B101 - B103 Gas/Oil-Fired Boilers  
 G001 - 4000 gallon Above Ground Gasoline Storage Tank  
 L005 - Alkaline Solution Parts Washer  
 P007 - Rotor Casting  
 P011 - Solder Softening Oven  
 P015 - Wood and Cut-Off Saws  
 P028 - Bowden Parts Washer  
 Z002 - Z004 Gas/Oil-Fired Boilers #11-13  
 Z013 - Flocker  
 Z014 - Unloader  
 Z015 - Stabilizer  
 Z016 - Z020 Mixers #1- #5  
 Z021 - Scale Car  
 Z022 - Rod Reclaim  
 Z023 - Extruder Skinning Line  
 Z026 - Z037 Extruding Ovens #1 - #12  
 Z038 - Z039 Gas-Fired Heaters #1 and #2  
 Z040 - Annealing Furnace  
 Z044 - Z045 Gas-Fired Heaters #3 and #4  
 Z048 - Z055 Mixers #6 - #13  
 L005 - Metal Parts Washer

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.

The following insignificant emissions units are located at this facility:

B005 - B010 Gas-Fired Air Heaters  
 B101 - B103 Gas/Oil-Fired Boilers  
 G001 - 4000 gallon Above Ground Gasoline Storage Tank  
 L005 - Alkaline Solution Parts Washer  
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 Z038 - Z039 Gas-Fired Heaters #1 and #2  
 Z040 - Annealing Furnace  
 Z044 - Z045 Gas-Fired Heaters #3 and #4  
 Z048 - Z055 Mixers #6 - #13

## L005 - Metal Parts Washer

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Z040 - Annealing Furnace  
Z044 - Z045 Gas-Fired Heaters #3 and #4  
Z048 - Z055 Mixers #6 - #13  
L005 - Metal Parts Washer

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Z048 - Z055 Mixers #6 - #13  
L005 - Metal Parts Washer

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Z048 - Z055 Mixers #6 - #13  
L005 - Metal Parts Washer

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- Z048 - Z055 Mixers #6 - #13
- L005 - Metal Parts Washer

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- Z048 - Z055 Mixers #6 - #13
- L005 - Metal Parts Washer

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- Z048 - Z055 Mixers #6 - #13
- L005 - Metal Parts Washer

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Z048 - Z055 Mixers #6 - #13  
L005 - Metal Parts Washer

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Z048 - Z055 Mixers #6 - #13  
L005 - Metal Parts Washer

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L005 - Metal Parts Washer

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L005 - Metal Parts Washer

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L005 - Metal Parts Washer

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L005 - Metal Parts Washer

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Z048 - Z055 Mixers #6 - #13  
L005 - Metal Parts Washer

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: 1318202137 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-fired boiler	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-10(B)(1)	0.020 lb of particulate emissions per mmBtu actual heat input
	OAC 3745-31-05(A)(3) (PTI# 13-3459)	4.05 lbs/hr of NOx emissions
		3.05 lbs/hr of CO emissions
		0.29 lb/hr of OC emissions

The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-10(B).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

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

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

1. For each day during which the permittee burns a fuel other than natural gas, 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 that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
0.020 lb of particulate emissions per million Btu actual heat input  
  
Applicable Compliance Method:  
For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.050 mmcu.ft/hr) by the AP-42 emission factor\* for natural gas (1.9 lbs particulate/mmcu.ft), and dividing by the maximum hourly heat input capacity of the emissions unit (50 mmBtu/hr).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-2
  - c. Emission Limitation:  
4.05 lbs/hr of NOx emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (50,000 cu.ft/hr) by the AP-42 emission factor\* for NOx (100 lbs NOx/million cubic feet).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-1
  - d. Emission Limitation:  
3.05 lbs/hr of CO emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (50,000 cu.ft/hr) by the AP-42 emission factor\* for CO (84 lbs CO/million cubic feet).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-1
  - e. Emission Limitation:  
0.29 lb/hr of OC emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (50,000 cu.ft/hr) by the AP-42 emission factor\* for OC (11 lbs OC/million cubic feet).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-1

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 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>
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**2. Additional Terms and Conditions**

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1318202137 Emissions Unit ID: B011 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>
36 mmBtu/hr natural gas-fired boiler	OAC 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3). 0.020 lb of particulate emissions per million Btu actual heat input 0.1 lb of NOx emissions per mmBtu actual heat input  Opacity shall not exceed 5%, as a six-minute average, except for one six-minute period in any hour when up to 27% is permissible.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B).
	OAC 3745-17-10(B)(1)	
	OAC 3745-31-05(A)(3) (PTI#13-2932)	

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

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

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

1. For each day during which the permittee burns a fuel other than natural gas, 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 that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
0.020 lb particulate emissions/mmBtu actual heat input

Applicable Compliance Method:

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.036 mmcu.ft/hr) by the AP-42 emission factor\* for natural gas (1.9 lbs particulate/mmcu.ft), and dividing by the maximum hourly heat input capacity of the emissions unit (36 mmBtu/hr).

\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-2

- b. Emission Limitation:  
5% opacity as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9.
- c. Emission Limitation:  
0.1 lb of NOx emissions per mmBtu actual heat input  
  
Applicable Compliance Method:  
Compliance shall be determined by multiplying the AP-42 emission factor\* for natural gas (32 lbs/mmcu.ft) by the maximum hourly gas burning capacity (0.036 mmcu.ft/hr) of the emissions unit and dividing by the maximum heat input capacity of the boiler (36 mmBtu/hr).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-1

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: B011 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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

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**Facility ID: 1318202137 Emissions Unit ID: B012 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>
36 mmBtu/hr natural gas-fired boiler	OAC 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3). 0.020 lb of particulate emissions per million Btu actual heat input 0.1 lb of NOx emissions per mmBtu actual heat input  Opacity shall not exceed 5%, as a six-minute average, except for one six-minute period in any hour when up to 27% is permissible.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B).
	OAC 3745-17-10(B)(1)	
	OAC 3745-31-05(A)(3) (PTI#13-2932)	

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

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

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

1. For each day during which the permittee burns a fuel other than natural gas, 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 that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
0.020 lb particulate emissions/mmBtu actual heat input  
  
Applicable Compliance Method:  
For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.036 mmcu.ft/hr) by the AP-42 emission factor\* for natural gas (1.9 lbs particulate/mmcu.ft), and dividing by the maximum hourly heat input capacity of the emissions unit (36 mmBtu/hr).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-2
  - b. Emission Limitation:  
5% opacity as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9.
  - c. Emission Limitation:  
0.1 lb of NOx emissions per mmBtu actual heat input  
  
Applicable Compliance Method:  
Compliance shall be determined by multiplying the AP-42 emission factor\* for natural gas (32 lbs/mmcu.ft) by the maximum hourly gas burning capacity (0.036 mmcu.ft/hr) of the emissions unit and dividing by the maximum heat input capacity of the boiler (36 mmBtu/hr).  
  
\*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-1

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: B012 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>
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2. **Additional Terms and Conditions**

1. None

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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

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**Facility ID: 1318202137 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>
stator varnish dip tank #1 with oven, equipped with a thermal incinerator	OAC 3745-21-09(U)(1)(a)	10.3 lbs of VOC per gallon of coating solids

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

2. The permittee shall operate and maintain the thermal incinerator in accordance with the manufacturer's recommendations, instructions and operating manual(s).

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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 calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day for the coating line and control equipment:
  - a. The name and identification number of each coating, as applied.
  - b. The pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating.
  - c. The maximum VOC content (in pounds of VOC per gallon of coating solids, as applied) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings.
  - d. The calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating solids, as applied. The controlled VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance.
  - e. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
  - f. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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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 calculated, controlled VOC emission rate exceeds the applicable pounds of VOC per gallon of solids limitation. 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 submit temperature deviation (excursion) reports that 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 more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
10.3 lbs of VOC per gallon of coating solids  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III. and the results of the emission testing specified in Section A.V.1.b.
  - b. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A of 40 CFR Part 60 Appendix A for VOC. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.  
  
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.

- b. 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. 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.

- b. 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). 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.

- 2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 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>
2. <b>Additional Terms and Conditions</b>		
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: 1318202137 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>
stator varnish dip tank #2 with oven, equipped with a thermal incinerator	OAC 3745-21-09(U)(1)(a)	10.3 lbs of VOC per gallon of coating solids
2. <b>Additional Terms and Conditions</b>		
(a)	None	

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

II. **Operational Restrictions**

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
2. The permittee shall operate and maintain the thermal incinerator in accordance with the manufacturer's recommendations, instructions and operating manual(s).

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

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

1. The permittee shall 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 calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

2. The permittee shall collect and record the following information for each day for the coating line and control equipment:
  - a. The name and identification number of each coating, as applied.
  - b. The pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating.
  - c. The maximum VOC content (in pounds of VOC per gallon of coating solids, as applied) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings.
  - d. The calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating solids, as applied. The controlled VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance.
  - e. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
  - f. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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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 calculated, controlled VOC emission rate exceeds the applicable pounds of VOC per gallon of solids limitation. 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 submit temperature deviation (excursion) reports that 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 more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
10.3 lbs of VOC per gallon of coating solids  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III. and the results of the emission testing specified in Section A.V.1.b.
  - b. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A of 40 CFR Part 60 Appendix A for VOC. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.  
  
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.
- b. 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. 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.

- b. 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). 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.

- 2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K010 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>
paint dip #2 tank for coating of welder coils	OAC 3745-21-09 (U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents

2. **Additional Terms and Conditions**

- (a) 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 each day for the dip tank:
  - a. The name and identification number of each material added to the dip tank.
  - b. The VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.
  - c. The number of gallons of each material added to the dip tank, excluding water and exempt solvents.
  - d. The daily, volume-weighted average VOC content of the combination of materials (i.e., pigment, ethylene glycol monobutyl ether and ethylene glycol monopropyl ether) added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all individual materials divided by the total number of gallons of all materials.

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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 daily volume-weighted average VOC content exceeds the applicable limitation. 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. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 shall be used to determine the VOC contents of the materials added to the dip tank.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K010 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. <b>Additional Terms and Conditions</b>			
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: 1318202137 Emissions Unit ID: K011 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>
varnish dip tank #4 for coating of armatures	OAC 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and A.II.1 below.
2. <b>Additional Terms and Conditions</b>		
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 has been revised by the Ohio EPA to specify an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation from the USEPA of the acceptability of the lower exemption level; therefore, the 3 gallon per day usage restriction in Section A.II.1 below will serve as the exemption level while SIP approval by USEPA is being obtained.		

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II. **Operational Restrictions**

- 1. The maximum daily coating usage for this emissions unit shall not exceed 3 gallons.

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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 dip tank:
  - 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.

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IV. **Reporting Requirements**

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

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
less than or equal to 3 gallons per day coating usage  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping specified in Section A.III.

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**VI. Miscellaneous Requirements**

1. None

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**B. State Enforceable Section**

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

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. <b>Additional Terms and Conditions</b>		
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: 1318202137 Emissions Unit ID: K012 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>
varnish dip tank #5 for coating large armatures	OAC 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and 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 has been revised by the Ohio EPA to specify an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation from the USEPA of the acceptability of the lower exemption level; therefore, the 3 gallon per day usage restriction in Section A.II.1 below will serve as the exemption level while SIP approval by USEPA is being obtained.

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II. **Operational Restrictions**

1. The maximum daily coating usage for this emissions unit shall not exceed 3 gallons.

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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 dip tank:
  - 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.

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IV. **Reporting Requirements**

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

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
less than or equal to 3 gallons per day coating usage  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping specified in Section A.III.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K012 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. <b>Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K013 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>
varnish dip tank #6 for coating large armatures	OAC 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and 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 has been revised by the Ohio EPA to specify an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation from the USEPA of the acceptability of the lower exemption level; therefore, the 3 gallon per day usage restriction in Section A.II.1 below will serve as the exemption level while SIP approval by USEPA is being obtained.

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II. **Operational Restrictions**

1. The maximum daily coating usage for this emissions unit shall not exceed 3 gallons.

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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 dip tank:
  - 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.

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IV. **Reporting Requirements**

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

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
less than or equal to 3 gallons per day coating usage  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping specified in Section A.III.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K013 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. <b>Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K014 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>
paint dip #3 tank for coating of welder coils	OAC 3745-21-09 (U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents

2. **Additional Terms and Conditions**

- (a) 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 each day for the dip tank:
  - a. The name and identification number of each material added to the dip tank.
  - b. The VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.
  - c. The number of gallons of each material added to the dip tank, excluding water and exempt solvents.
  - d. The daily, volume-weighted average VOC content of the combination of materials (i.e., pigment, xylene and zinc compounds) added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all individual materials divided by the total number of gallons of all materials.

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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 daily volume-weighted average VOC content exceeds the applicable limitation. 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. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 shall be used to determine the VOC contents of the materials added to the dip tank.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K014 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. <b>Additional Terms and Conditions</b>		
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: 1318202137 Emissions Unit ID: K015 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>
paint dip #4 tank for coating of welder coils	OAC 3745-21-09 (U)(1)(c)  OAC 3745-31-05(A)(3) (PTI#13-1024)	3.5 pounds of VOC per gallon, excluding water and exempt solvents  The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-09 (U)(1)(c).

2. **Additional Terms and Conditions**

- (a) 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 each day for the dip tank:
  - a. The name and identification number of each material added to the dip tank.
  - b. The VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.
  - c. The number of gallons of each material added to the dip tank, excluding water and exempt solvents.
  - d. The daily, volume-weighted average VOC content of the combination of materials (i.e., pigment, xylene and zinc compounds) added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all individual materials divided by the total number of gallons of all materials.

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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 daily volume-weighted average VOC content exceeds the applicable limitation. 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. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 shall be used to determine the VOC contents of the materials added to the dip tank.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K015 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. <b>Additional Terms and Conditions</b>			
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: 1318202137 Emissions Unit ID: K018 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>
paint dip #6 tank for coating of welder coils	OAC 3745-21-09 (U)(1)(c)  OAC 3745-31-05(A)(3) (PTI#13-1024)	3.5 pounds of VOC per gallon, excluding water and exempt solvents  The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-09 (U)(1)(c).

2. Additional Terms and Conditions

- (a) 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 each day for the dip tank:
  - a. The name and identification number of each material added to the dip tank.
  - b. The VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.
  - c. The number of gallons of each material added to the dip tank, excluding water and exempt solvents.
  - d. The daily, volume-weighted average VOC content of the combination of materials (i.e., pigment, xylene and zinc compounds) added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all individual materials divided by the total number of gallons of all materials.

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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 daily volume-weighted average VOC content exceeds the applicable limitation. 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. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 shall be used to determine the VOC contents of the materials added to the dip tank.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K018 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. <b>Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K022 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>
paint spray booth #1 for painting of arc welders	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions

- 2. **Additional Terms and Conditions**
  - (a) None

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II. **Operational Restrictions**

- 1. The permittee shall operate the water curtain system for the control of paint overspray when this emissions unit is in operation.

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

- 1. The permittee shall maintain daily records and document any time periods when the water curtain system was not in service when this emissions unit was in operation.
- 2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and

exempt solvents) of each coating, as applied.

c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.

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**IV. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the water curtain 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.
2. 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission evaluations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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
  - c. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K022 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>
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**2. Additional Terms and Conditions**

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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

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**Facility ID: 1318202137 Emissions Unit ID: K025 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>
paint spray booth for coating of miscellaneous metal parts	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-21-09 (U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents

2. **Additional Terms and Conditions**

(a) None

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II. **Operational Restrictions**

1. The permittee shall operate and maintain the dry 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 this emissions unit:
- The name and identification number of each coating, as applied.
  - The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
- Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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

- c. Emission Limitation:  
20% opacity as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission evaluations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
- 2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K025 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. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K026 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>
paint spray booth #3 for coating of welder case parts	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1025)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The permittee shall operate the water curtain system for the control of paint overspray 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the water curtain system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 water curtain 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 limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
Applicable Compliance Method:  
To determine the actual worst case particulate emissions rate, the following equation shall be used:  
  
E = maximum coating solids usage rate in pounds per hour X (1-TE) X (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
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K026 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.

<b>Operations, Property, and/or Equipment</b>	<b>Applicable Rules/Requirements</b>	<b>Applicable Emissions Limitations/Control Measures</b>
2. <b>Additional Terms and Conditions</b>		

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K029 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>
paint spray booth #4 for coating of metal brackets	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and A.II.1 below.
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1025)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

**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 has been revised by the Ohio EPA to specify an exemption level (3 gallons per day) that will be

acceptable to USEPA. The Ohio EPA has received confirmation from the USEPA of the acceptability of the lower exemption level; therefore, the 3 gallon per day usage restriction in Section A.II.1 below will serve as the exemption level while SIP approval by USEPA is being obtained.

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**II. Operational Restrictions**

1. The maximum daily coating usage for this emissions unit shall not exceed 3 gallons.
2. The permittee shall operate the water curtain system for the control of paint overspray 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 this emissions unit:
  - 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 maintain daily records and document any time periods when the water curtain system was not in service when this emissions unit was in operation.

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**IV. Reporting Requirements**

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any daily record showing that this emissions unit employs more than the applicable maximum daily usage limit. The notification shall include a copy of such record and shall be sent to the Director (appropriate 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 water curtain 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
less than or equal to 3 gallons per day coating usage  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping specified in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
Applicable Compliance Method:  
To determine the actual worst case particulate emissions rate, the following equation shall be used:  
  

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

$$E = \text{particulate emissions rate (lbs/hr)}$$

$$TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$$

$$CE = \text{fractional control efficiency of the control equipment}$$
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K029 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. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K031 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>
paint spray booth #5 for coating metal armatures	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1025)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

#### 2. Additional Terms and Conditions

- (a) None

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#### II. Operational Restrictions

1. The permittee shall operate and maintain the dry 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
Applicable Compliance Method:  
To determine the actual worst case particulate emissions rate, the following equation shall be used:  
  
E = maximum coating solids usage rate in pounds per hour X (1-TE) X (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
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K031 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. <b>Additional Terms and Conditions</b>		
1. None		

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K037 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>
paint spray booth for coating of engine welder base assemblies	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1025)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

- 1. The permittee shall operate and maintain the dry 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K037 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K038 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>
paint spray booth for coating of engine welder base frames	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1025)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall operate and maintain the dry 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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

- c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
- 2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K038 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. <b>Additional Terms and Conditions</b>		
1. None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K041 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>
paint spray booth #8 for coating of miscellaneous metal parts	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1025)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall operate and maintain the dry 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K041 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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K048 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>
paint spray booth #12 for coating of miscellaneous metal parts	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and

OAC 3745-17-11(B)  
OAC 3745-31-05(A)(3)  
(PTI# 13-1025)

exempt solvents  
0.551 lb/hr of particulate emissions  
The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The permittee shall operate and maintain the dry 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 this emissions unit:
- The name and identification number of each coating, as applied.
  - The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
- Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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
  - Emission Limitation:  
20% opacity, as a six-minute average

Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K048 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. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K058 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>
paint spray booth #16 for coating of miscellaneous metal parts	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1747)	0.1 lb of VOC per gallon of coating, excluding water and exempt solvents (see A.I.2.a below)
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-11(B).

**2. Additional Terms and Conditions**

- a. Powder coatings approaching 100% solids are employed in this emissions unit.

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**II. Operational Restrictions**

1. The permittee shall operate and maintain the dry 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
0.1 lb of VOC per gallon of coating  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K058 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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**Facility ID: 1318202137 Emissions Unit ID: K059 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>
paint spray booth #17 for coating of miscellaneous metal parts	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI# 13-1767)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

2. **Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall operate and maintain the dry 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 this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
2. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 dry 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 limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
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 = 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
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K059 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. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K060 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>
varnish dip tank #7 for coating of miscellaneous metal parts equipped with a thermal incinerator that serves emissions units K060 and K061	OAC 3745-21-09(U)(1)(a)	10.3 pounds of VOC per gallon of coating solids
<b>2. Additional Terms and Conditions</b>		
(a) None		

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**II. Operational Restrictions**

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

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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 calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day for the dip tank and control equipment:
  - a. The name and identification number of each coating, as applied.
  - b. The pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings.
  - d. The calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating solids, as applied. The controlled VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance.
  - e. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
  - f. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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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 calculated, controlled VOC emission rate exceeds the applicable pounds of VOC per gallon of solids limitation. 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 submit temperature deviation (excursion) reports that 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 more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:  
10.3 lbs of VOC per gallon of coating solids

Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III. and the emission testing specified in Section A.V.2.

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

The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

The emission testing shall be conducted to demonstrate compliance with the allowable VOC emission limitation.

The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for VOC, Method 25 or 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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. 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.

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). 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.

3. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 1318202137 Emissions Unit ID: K060 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>
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**2. Additional Terms and Conditions**

1. None

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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

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Facility ID: 1318202137 Emissions Unit ID: K061 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>
varnish dip tank #8 for coating of electric motors, equipped with a thermal incinerator that serves emissions units K060 and K061	OAC 3745-21-09(U)(1)(a)	10.3 pounds of VOC per gallon of coating solids
2. <b>Additional Terms and Conditions</b>		
(a) None		

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II. **Operational Restrictions**

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

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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 calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day for the dip tank and control equipment:
- The name and identification number of each coating, as applied.
  - The pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating.
  - The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings.
  - The calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating solids, as applied. The controlled VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance.
  - A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
  - All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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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 calculated, controlled VOC emission rate exceeds the applicable pounds of VOC per gallon of solids limitation. 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 submit temperature deviation (excursion) reports that 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 more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:  
10.3 lbs of VOC per gallon of coating solids

Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III. and the emission testing specified in Section A.V.2.

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

The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

The emission testing shall be conducted to demonstrate compliance with the allowable VOC emission limitation.

The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for VOC , Method 25 or 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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. 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.

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). 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.

3. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K061 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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1318202137 Emissions Unit ID: K066 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>
paint spray booth #18 for coating of engine welders	OAC 3745-21-09(U)(1)(c) OAC 3745-17-07(A)	3.5 lbs of VOC per gallon of coating, excluding water and exempt solvents 20% opacity as a six-minute average, except as

OAC 3745-17-11(B)  
OAC 3745-31-05(A)(3)  
(PTI#13-3134)

provided by rule  
0.551 lb/hr of particulate emissions  
6.39 TPY of VOC

The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The permittee shall operate and maintain the dry filtration system when this emissions unit is in operation.

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

1. The permittee shall maintain daily records and document any time periods when the dry filtration system was not in service when this emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - c. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
3. The permittee shall collect and record the following information for the purpose of determining annual VOC emissions:
  - a. The name and identification of each cleanup material employed.
  - b. The number of gallons of each cleanup material employed.
  - c. The VOC content of each cleanup material, in pounds per gallon.
  - d. The total VOC emissions from all coatings and cleanup materials, in tons.

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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 record showing that the dry 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 Ohio EPA District Office or local air agency) within 30 days after the event occurs.
2. 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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.
3. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions

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

- c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
- d. Emission Limitation:  
6.39 TPY VOC  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping specified in Section A.III.3.
- 2. USEPA Method 24 shall be used to determine the VOC contents of the coatings. USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: K066 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1318202137 Emissions Unit ID: K067 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>
encapsulation process for coating of printed circuit boards	OAC 3745-21-07(G)(2)  OAC 3745-31-05(A)(3) (PTI#13-3135)	Organic Compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day. 7.3 TPY of OC  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).

2. **Additional Terms and Conditions**

- (a) 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 day for the coating operation:

- a. The company identification for each coating and photochemically reactive cleanup material employed.
  - b. The number of gallons of each coating and photochemically reactive cleanup material employed.
  - c. The organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon.
  - d. The total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly organic compound emission rate for all coatings and photochemically reactive 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. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]
2. The permittee shall collect and record the following information for each day for the purpose of determining annual organic compound emissions:
  - a. The company identification for each nonphotochemically reactive cleanup material employed.
  - b. The number of gallons of each nonphotochemically reactive cleanup material employed.
  - c. The organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon.
  - d. The total organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds per day.

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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 day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.
  - b. An identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitations:  
OC emissions shall not exceed 8 lbs/hr and 40 lbs/day.  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.1.
2. Emission Limitation:  
7.3 TPY of VOC  
  
Applicable Compliance Method:  
Sum the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day (Section A.III.1) and the total organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds per day (Section A.III.2) for the calendar year.
3. USEPA Method 24 or formulation data shall be used to determine the OC contents of the coatings and cleanup materials.

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: K067 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>
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**2. Additional Terms and Conditions**

1. None

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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

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Facility ID: 1318202137 Emissions Unit ID: K069 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>
paint spray booth #20 for maintenance dept	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-21-09(U)(1)(c)	3.5 pounds of VOC per gallon, excluding water and exempt solvents
	OAC 3745-17-11(B)	0.551 lb/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI#13-3470)	79.5 lbs/day of VOC, 14.5 TPY VOC
		2.41 TPY of particulate emissions
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), and 3745-21-09(U).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall operate the dry 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 this emissions unit:
  - a. The name and identification number of each coating and cleanup material employed.
  - b. The volume, in gallons, of each coating employed.
  - c. The volume, in gallons, of each cleanup material employed.
  - d. The VOC content of each cleanup material, in pounds per gallon.
  - e. The VOC content of each coating (excluding water and exempt solvents), as applied, in pounds per gallon.
  - f. The daily volume-weighted average VOC content (in pounds of VOC per gallon of coating excluding water and exempt solvents, as applied) of all the coatings.
  - g. The total VOC emissions from all coatings and cleanup materials employed, in pounds per day.
2. The permittee shall collect and record the total VOC emissions from all coatings and cleanup materials employed, in tons, for this emissions unit for the purpose of determining annual VOC emissions.
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when this 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 daily volume-weighted average VOC content exceeds the applicable limitation. 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 Ohio EPA District Office or local air agency) in writing of any record showing that the dry 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 Ohio EPA District Office or local air agency) within 30 days after the event occurs.

3. The permittee shall also submit annual reports which specify the total VOC and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
4. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the VOC emissions from all coatings and cleanup materials exceeded 79.5 pounds per day and the actual VOC emission rate for each such day.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.5 lbs of VOC per gallon of coating excluding water and exempt solvents  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
  - b. Emission Limitation:  
0.551 lb/hr of particulate emissions  
  
Applicable Compliance Method:  
To determine the actual worst case particulate emissions rate, the following equation shall be used:  
  
 $E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$   
  
 $E = \text{particulate emissions rate (lbs/hr)}$   
  
 $TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$   
  
 $CE = \text{fractional control efficiency of the control equipment}$
  - c. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - d. Emission Limitations:  
79.5 lbs/day, 14.5 TPY of VOC  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping specified in Section A.III.
  - e. Emission Limitation:  
2.41 TPY of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon multiplying the worst case lb/hr particulate emission rate by 8760 hrs/yr, and dividing by 2000 lbs/ton.
2. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 1318202137 Emissions Unit ID: K069 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>
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**2. Additional Terms and Conditions**

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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

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**Facility ID: 1318202137 Emissions Unit ID: L010 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>
Teksolve solution metal parts cold cleaner for degreasing of miscellaneous machine coils	OAC 3745-21-09(O)	See A.I.2.a through A.I.2.c below.

2. **Additional Terms and Conditions**

- a. The cold cleaner shall be operated with a cover, and if the solvent has a vapor pressure greater than 0.3 pound per square inch absolute, measured at 100 degrees Fahrenheit or, if the solvent is heated or agitated, the cover shall be designed and constructed so that it can be easily operated with one hand.
- b. The cold cleaner shall be equipped with a device for draining the cleaned parts; and if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute, measured at 100 degrees Fahrenheit, the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining, unless an internal type drainage device cannot fit into the cleaning system.
- c. A freeboard ratio of greater than or equal to 0.7 shall be maintained.
- d. The requirements of 40 CFR Part 63, Subpart T do not apply to this emissions unit because the solvent used (Teksolve solution) does not contain the halogenated Hazardous Air Pollutants (HAPs) identified in 40 CFR Part 63.460.

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II. **Operational Restrictions**

1. The cold cleaner shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:
  - a. Provide a permanent, legible, conspicuous label, summarizing the operating requirements.
  - b. Store waste solvent in covered containers.
  - c. Close the cover whenever parts are not being handled in the cleaner.
  - d. Drain the cleaned parts until dripping ceases.
  - e. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge.
  - f. Clean only materials that are neither porous nor absorbent.

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

1. The permittee shall maintain records of the following information:
  - a. The types of solvents employed in the cold cleaner.
  - b. The vapor pressure of each solvent, in pound per square inch absolute, measured at 100 degrees Fahrenheit.

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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: 1318202137 Emissions Unit ID: L010 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>
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**2. Additional Terms and Conditions**

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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

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Facility ID: 1318202137 Emissions Unit ID: L015 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>
Teksolve solution metal parts cold cleaner for degreasing of small sheet metal	OAC 3745-21-09(O)	See A.I.2.a through A.I.2.c below.
<b>2. Additional Terms and Conditions</b>		
a. The cold cleaner shall be operated with a cover, and if the solvent has a vapor pressure greater than 0.3 pound per square inch absolute, measured at 100 degrees Fahrenheit or, if the solvent is heated or agitated, the cover shall be designed and constructed so that it can be easily operated with one hand.		
b. The cold cleaner shall be equipped with a device for draining the cleaned parts; and if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute, measured at 100 degrees Fahrenheit, the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining, unless an internal type drainage device cannot fit into the cleaning system.		
c. A freeboard ratio of greater than or equal to 0.7 shall be maintained.		
d. The requirements of 40 CFR Part 63, Subpart T do not apply to this emissions unit because the solvent used (Teksolve solution) does not contain the halogenated Hazardous Air Pollutants (HAPs) identified in 40 CFR Part 63.460.		

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**II. Operational Restrictions**

1. The cold cleaner shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:
  - a. Provide a permanent, legible, conspicuous label, summarizing the operating requirements.
  - b. Store waste solvent in covered containers.
  - c. Close the cover whenever parts are not being handled in the cleaner.
  - d. Drain the cleaned parts until dripping ceases.
  - e. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge.
  - f. Clean only materials that are neither porous nor absorbent.

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

1. The permittee shall maintain records of the following information:
  - a. The types of solvents employed in the cold cleaner.
  - b. The vapor pressure of each solvent, in pound per square inch absolute, measured at 100 degrees Fahrenheit.

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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: 1318202137 Emissions Unit ID: L015 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. <b>Additional Terms and Conditions</b>			
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: 1318202137 Emissions Unit ID: N001 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>
pyrolysis furnace for paint burn-off, equipped with an afterburner	OAC 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC 3745-17-09(B)	0.10 lb of particulate emissions/100 lbs of material charged
	OAC 3745-31-05(A)(3) (PTI# 13-1442)	no visible emissions
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The average combustion temperature within the afterburner shall be maintained at 1400 degrees Fahrenheit or greater during each burn-off cycle.

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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 afterburner, in degrees Fahrenheit, during each burn-off cycle. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day:
  - a. All 3-hour blocks of time during which the average combustion temperature within the afterburner, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit.
  - b. 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 permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. the total duration of any visible emission incident; and
  - c. any corrective actions taken to eliminate the visible emissions.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly summaries of the following records:
  - a. All 3-hour blocks of time during which the average combustion temperature within the afterburner, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

These quarterly reports shall be submitted by April 30, July 31, October 31, and January 31, and shall cover the records for the previous calendar quarters.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
0.10 lb of particulate emissions/100 lbs material of charged
 

Applicable Compliance Method:  
Compliance with this emission limitation shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures in OAC rule 3745-17-03(B)(8).
  - b. Emission Limitation:  
no visible emissions
 

Applicable Compliance Method:  
Compliance with this emission limitation shall be determined through visible emission evaluations performed in accordance with 40 CFR Part 60, Appendix A, Method 22.

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 1318202137 Emissions Unit ID: N001 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>
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2. Additional Terms and Conditions

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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

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Facility ID: 1318202137 Emissions Unit ID: P020 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>
wire coating lime drier, equipped with a wet rotoclone	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-11(B)	2.00 lbs/hr of particulate emissions

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

- 1. The permittee shall operate the wet rotoclone while this emissions unit is in operation.

2. The wet rotoclone water supply pressure shall be continuously maintained at a value, in pounds per square inch gauge (psig), of not less than the minimum water supply pressure established during the most recent emission test that demonstrated that the emissions unit was in compliance.
3. The wet rotoclone water flow rate shall be continuously maintained at a value, in gallons per minute (gpm), of not less than the minimum water flow rate established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

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

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

- a. The water supply pressure, in psig, on a once/shift basis.
- b. The water flow rate, in gpm, on a once/shift basis.
- c. A log or record of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit is 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 record showing that the wet rotoclone 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 Ohio EPA District Office or local air agency) within 30 days after the event occurs.
2. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following wet rotoclone parameters were not maintained at or above the required levels:
  - a. The water supply pressure.
  - b. The wet rotoclone water flow rate.

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### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
2.00 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 

The emission testing shall be conducted within 3 months after issuance of this permit and within 6 months prior to permit renewal.

The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.

The following test methods shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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).

- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P020 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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

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**Facility ID: 1318202137 Emissions Unit ID: P021 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>
kiln for drying process material, equipped with an Aerodyne cyclone and wet scrubber	OAC 3745-17-07(A) OAC 3745-17-11(B)	20% opacity as a six-minute average, except as provided by rule 6.79 lbs/hr of particulate emissions

2. **Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The pH of the scrubber liquor shall be maintained within the range of 6.8-7.5.
2. The permittee shall operate the Aerodyne cyclone and wet scrubber 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 equipment to continuously monitor and record the pH of the scrubber liquor while the emissions unit is in operation. The pH monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. The permittee shall collect and record the pH of the scrubber liquor on a daily basis.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the scrubber stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

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**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH did not comply with the pH requirements specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the scrubber stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
6.79 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.  
  
The following test methods shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.  
  
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.  
  
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).
- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P021 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>
<b>2. Additional Terms and Conditions</b>		
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: 1318202137 Emissions Unit ID: P022 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>
fluorspar drier for flux manufacturing, equipped with a baghouse	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-11(B)	8.61 lbs/hr of particulate emissions

2. **Additional Terms and Conditions**

(a) None

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II. **Operational Restrictions**

1. The permittee shall operate the baghouse while this emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the range of 4-6 inches of water while the emissions unit is in operation.

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

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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IV. **Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
8.61 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.  
  
The following test methods shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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).

- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P022 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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

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Facility ID: 1318202137 Emissions Unit ID: P023 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>
kiln for processing of chemicals, equipped with an Aerodyne cyclone	OAC 3745-17-07(A) OAC 3745-17-11(B)	20% opacity as a six-minute average, except as provided by rule 1.15 lbs/hr of particulate emissions
2. <b>Additional Terms and Conditions</b>		
(a) None		

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II. **Operational Restrictions**

- 1. The permittee shall operate the Aerodyne cyclone while the emissions unit is in operation.
- 2. The pressure drop across the Aerodyne cyclone shall be maintained within the range, in inches of water, established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

- 1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the Aerodyne cyclone while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the aerodyne on a daily basis.
- 2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;

- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

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#### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the Aerodyne cyclone did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
1.15 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.  
  
The following test methods shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.  
  
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.  
  
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).
- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P023 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: 1318202137 Emissions Unit ID: P025 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>
drier for wet ore, equipped with a baghouse	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-11(B)	4.03 lbs/hr of particulate emissions

2. **Additional Terms and Conditions**

(a) None

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**II. Operational Restrictions**

1. The permittee shall operate the baghouse while the emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the range of 4-6 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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**IV. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
4.03 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.

The following test methods shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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).

- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P025 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. <b>Additional Terms and Conditions</b>			
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: 1318202137 Emissions Unit ID: P026 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>
kiln for processing chemicals, equipped with a baghouse	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-11(B)	4.10 lbs/hr of particulate emissions
	OAC 3745-31-05(A)(3) (PTI#13-1136)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A) and 3745-17-11(B).

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The permittee shall operate the baghouse while the emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the range of 4-6 inches of water while the emissions unit is in operation.

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
4.10 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.  
  
The following test methods shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.  
  
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.  
  
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).
- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P026 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. <b>Additional Terms and Conditions</b>			
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: 1318202137 Emissions Unit ID: P029 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>
wire bake oven for removal of lubricants on flux welding wire	OAC 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC 3745-31-05(A)(3) (PTI# 13-2933)	5% opacity as a six-minute average  1.61 lbs/hr of particulate emissions

**2. Additional Terms and Conditions**

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

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**IV. Reporting Requirements**

- 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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**V. Testing Requirements**

- 1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:

5% opacity, as a six-minute average

Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

- b. Emission Limitation:  
1.61 lbs/hr of particulate emissions

Applicable Compliance Method:  
Compliance with this emission limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: P029 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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

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Facility ID: 1318202137 Emissions Unit ID: P030 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>
thermoset molding machines	OAC 3745-21-07(G)(2)  OAC 3745-31-05(A)(3) (PTI# 13-3037)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day.  The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-07(G)(2).

2. **Additional Terms and Conditions**

- (a) 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 day for the coating operation:
  - a. The company identification for each coating and photochemically reactive cleanup material employed.
  - b. The number of gallons of each coating and photochemically reactive cleanup material employed.
  - c. The organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon.
  - d. The total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly organic compound emission rate for all coatings and photochemically reactive 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. Also, the definition of "photochemically reactive" is based upon OAC rule 3745-21-01 (C)(5).]

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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 day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 lbs/hr, and the actual average hourly organic compound emissions for each such day.
  - b. An identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 lbs/day, and the actual organic compound emissions for each such day.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day.  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 or formulation data shall be used to determine the VOC contents of the coatings and cleanup materials.

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 1318202137 Emissions Unit ID: P030 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. <b>Additional Terms and Conditions</b>		
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: 1318202137 Emissions Unit ID: P031 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>
R & D engine test stand for diesel and gasoline powered welders (not used to operate mechanical equipment)	OAC 3745-17-11(B)(1)	None, see A.I.2.a below.
	OAC 3745-17-07(A)	None, see A.I.2.b below.
	OAC 3745-18-06	None, exempt pursuant to OAC rule 3745-18-06(B).
	OAC 3745-21-08(B)	None, see A.I.2.c below.
	OAC 3745-23-06(B)	None, see A.I.2.c below.
	OAC 3745-31-05(A)(3) (PTI# 13-3136)	Annual emissions from the combustion of gasoline and diesel fuel in this emissions unit shall not exceed the following limitations:  2.03 tons particulate emissions/yr 1.83 tons of sulfur dioxide/yr 29.97 tons of nitrogen oxides/yr 16.80 tons of organic compounds/yr

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.
- b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

- c. The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 (Control of carbon monoxide emissions from stationary sources) and 3745-23-06 (Control of nitrogen oxides emissions from stationary sources), respectively by committing to comply with the best available technology requirements established in PTI# 13-3136.
- d. No short-term emission limitations were established in PTI# 13-3136. The annual emission limitations specified in Section A.1.1 reflect the emissions unit's potential to emit for these pollutants; therefore, there are no additional monitoring, record keeping or reporting requirements associated with these emission limitations.

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. The permittee shall submit annual reports which specify the total emissions of particulates, sulfur dioxide, nitrogen oxides, and organic compounds from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

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**V. Testing Requirements**

- 1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitations:
    - 2.03 tons particulate emissions/yr
    - 1.83 tons of sulfur dioxide/yr
    - 29.97 tons of nitrogen oxides/yr
    - 16.80 tons of organic compounds/yr

Applicable Compliance Methods:

The annual emission limitations were established by multiplying the worst case hourly emission rates by 8760 hours per year and dividing the total by 2000 lbs/ton. (The maximum uncontrolled hourly emissions were determined using AP-42 emission factors\* for gasoline and diesel industrial engines and a maximum fuel usage of 11.3 gallons per hour). If required, the permittee shall demonstrate compliance with these emission limitations in accordance with the appropriate approved method(s) found in 40 CFR Part 60, Appendix A.

\*AP-42, Fifth Edition, Supplement B (10-96), Table 3.3-1

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1318202137 Emissions Unit ID: P031 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>
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**2. Additional Terms and Conditions**

1. None

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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

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Facility ID: 1318202137 Emissions Unit ID: P901 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>
rotary kiln for drying iron powder, equipped with two baghouses and a wet scrubber	OAC 3745-17-07(A) OAC 3745-17-12(N)(3) OAC 3745-31-05(A)(3) (PTI#13-1136)	20% opacity as a six-minute average, except as provided by rule 1.8 lbs/hr of particulate emissions The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A) and 3745-17-12(N)(3).
<b>2. Additional Terms and Conditions</b>		
(a) None		

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**II. Operational Restrictions**

1. The permittee shall operate the two baghouses and wet scrubber while the emissions unit is in operation.
2. The pH of the scrubber liquor shall be maintained within the range of 6 to 8.
3. The pressure drop across baghouse #1 shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.
4. The pressure drop across baghouse #2 shall be maintained within the range of 4 to 6 inches of water 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 equipment to continuously monitor and record the pH of the scrubber liquor while the emissions unit is in operation. The pH monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. The permittee shall record the pH of the scrubber liquor, on a once per shift basis.
2. The permittee shall operate and maintain equipment to monitor the pressure drop across baghouse #1 while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
3. The permittee shall operate and maintain equipment to monitor the pressure drop across baghouse #2 while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

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**IV. Reporting Requirements**

1. The permittee shall submit pH deviation (excursion) reports that identify all periods of time during which the scrubber liquor pH did not comply with the pH requirements specified above.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across baghouse #1 did not comply with the allowable range specified above.
3. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across baghouse #2 did not comply with the allowable range specified above.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
1.8 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.

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

The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.

The following test methods and procedures shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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).

- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P901 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>
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- 2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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

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**Facility ID: 1318202137 Emissions Unit ID: P902 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>
rotary kiln A for production of granular flux, equipped with two baghouses	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-12(N)(4)	2.4 lbs/hr of particulate emissions

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

- 1. The permittee shall operate the baghouses while the emissions unit is in operation.
- 2. The pressure drop across the baghouse #1 shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.
- 3. The pressure drop across the baghouse #2 shall be maintained within the range of 4 to 6 inches of water 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 equipment to monitor the pressure drop across baghouse #1 while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.
2. The permittee shall operate and maintain equipment to monitor the pressure drop across baghouse #2 while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

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**IV. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across baghouse #1 did not comply with the allowable range specified above.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across baghouse #2 did not comply with the allowable range specified above.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
2.4 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.  
  
The following test methods and procedures shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.  
  
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.  
  
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).
- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P902 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. <b>Additional Terms and Conditions</b>			
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: 1318202137 Emissions Unit ID: P903 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>
kiln B for production of granular flux, equipped with a wet rotoclone and baghouse	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-12(N)(4)	2.4 lbs/hr of particulate emissions

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall operate the wet rotoclone and baghouse while the emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.
3. The wet rotoclone water supply pressure shall be continuously maintained at a value of not less than the minimum water supply pressure, in pounds per square inch (gauge), established during the most recent emission test that demonstrated that the emissions unit was in compliance.
4. The wet rotoclone water flow rate shall be continuously maintained at a value of not less than the minimum water flow rate, in gallons per minute, established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.
2. The permittee shall properly operate and maintain equipment to monitor and record the water supply pressure and the water flow rate while the emissions unit is in operation. The monitoring devices and recorder(s) shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. The water supply pressure, in psig, on a daily basis.
- b. The water flow rate, in gpm, on a daily basis.
- c. A log or record 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 pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any

record showing that the wet rotoclone 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.

3. The permittee shall submit quarterly summaries of the following records:
  - a. All periods of time during which the wet rotoclone water supply pressure and water flow rate were not maintained at or above the required levels.
  - b. A log or record of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

These quarterly reports shall be submitted by April 30, July 31, October 31, and January 31, and shall cover the records for the previous calendar quarters.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
2.4 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 

The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.

The following test methods and procedures shall be employed to demonstrate compliance with the particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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).
- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P903 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. <b>Additional Terms and Conditions</b>		
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: 1318202137 Emissions Unit ID: P904 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>
kiln C for production of granular flux, equipped with a baghouse	OAC 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC 3745-17-12(N)(4)	2.4 lbs/hr of particulate emissions

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall operate the baghouse while the emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water 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 equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

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**IV. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
20% opacity, as a six-minute average  
  
Applicable Compliance Method:  
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:  
2.4 lbs/hr of particulate emissions  
  
Applicable Compliance Method:  
Compliance shall be based upon the results of the emission testing specified in Section A.V.1.c.
  - c. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:  
  
The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.  
  
The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.  
  
The following test methods and procedures shall be employed to demonstrate compliance with the

particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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.

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).

- c. 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). 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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Facility ID: 1318202137 Emissions Unit ID: P904 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. <b>Additional Terms and Conditions</b>		

1. None

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II. **Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Facility ID: 1318202137 Emissions Unit ID: Z056 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>
electrodeposition painting line	OAC 3745-21-09(U)(1)(i)  OAC 3745-31-05(A)(3) (PTI#13-2455)	3.0 pounds of VOC per gallon, excluding water and exempt solvents  The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-09(U)(1)(i).

**2. Additional Terms and Conditions**

- (a) 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 each day for the electrodeposition paint line:
  - a. The name and identification number of each material added to the paint line.
  - b. The VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the paint line.
  - c. The number of gallons of each material added to the paint line, excluding water and exempt solvents.
  - d. The daily, volume-weighted average VOC content of the combination of materials added to the paint line,

excluding water and exempt solvents, i.e., the sum of (b) x (c) for all individual materials divided by the total number of gallons of all materials.

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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 daily volume-weighted average VOC content exceeds the applicable limitation. 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. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
3.0 lbs of VOC per gallon of coating  
  
Applicable Compliance Method:  
Compliance shall be based upon the record keeping requirement in Section A.III.
2. USEPA Method 24 shall be used to determine the VOC contents of the materials added to the paint line.

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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>
<b>2. Additional Terms and Conditions</b>		
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