

Facility ID: 0372020143 Issuance type: Title V Draft Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

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

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

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

b State Only Enforceable Section

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

T011 - Porcelain fuel oil tank, Z001 - North generator, Z002 - West generator, Z003 - East generator, Z004 - Porcelain area work benches, Z005 - Old top coat prep area, Z006 - New top coat prep area, Z007 - Paint department sanding booths, Z008 - Printing, Z009 - East fuel oil tank, Z010 - west fuel oil tank, Z011 - Machine shop sanding booth, Z012 - Jeep painting, Z015 - <10 mmBtu/hr air makeup unit, Z016 - <10 mmBtu/hr air makeup unit, Z017 - <10 mmBtu/hr air makeup unit, Z018 - <10 mmBtu/hr air makeup unit, Z019 - <10 mmBtu/hr air makeup unit, Z020 - <10 mmBtu/hr air makeup unit, Z021 - <10 mmBtu/hr air makeup unit, Z022 - <10 mmBtu/hr air makeup unit, Z023 - <10 mmBtu/hr air makeup unit, Z024 - <10 mmBtu/hr air makeup unit, Z025 - Torit booth (hanger banger), Z026 - Wet porcelain ground coat flatware spray operation, Z027 - Wet porcelain roundware drying oven, Z028 - Wet porcelain roundware drying oven, Z029 - Wet porcelain flatware drying oven, Z030 - Powder coat double-sided sanding booths and finesse booth, Z031 - 119 wet porcelain reinforce and stipple roundware spray booth and Z032 - 111 wet porcelain reinforce and stipple roundware spray booth.

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 (PTI) for the emissions unit.

- [Go to Part III for Emissions Unit B002](#)
- [Go to Part III for Emissions Unit B003](#)
- [Go to Part III for Emissions Unit B004](#)
- [Go to Part III for Emissions Unit B005](#)
- [Go to Part III for Emissions Unit B006](#)
- [Go to Part III for Emissions Unit B007](#)
- [Go to Part III for Emissions Unit B008](#)
- [Go to Part III for Emissions Unit B009](#)
- [Go to Part III for Emissions Unit K005](#)
- [Go to Part III for Emissions Unit K007](#)
- [Go to Part III for Emissions Unit K008](#)
- [Go to Part III for Emissions Unit K009](#)
- [Go to Part III for Emissions Unit K010](#)
- [Go to Part III for Emissions Unit K011](#)
- [Go to Part III for Emissions Unit K012](#)
- [Go to Part III for Emissions Unit N001](#)
- [Go to Part III for Emissions Unit N002](#)
- [Go to Part III for Emissions Unit N003](#)
- [Go to Part III for Emissions Unit N004](#)
- [Go to Part III for Emissions Unit P018](#)
- [Go to Part III for Emissions Unit P021](#)
- [Go to Part III for Emissions Unit P023](#)
- [Go to Part III for Emissions Unit P025](#)
- [Go to Part III for Emissions Unit P026](#)

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B002 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
40 mmBtu/hr natural gas and/or #2 fuel oil-fired boiler (boiler 1-2)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input
	OAC rule 3745-18-06(D)	1.6 lbs SO ₂ /mmBtu of actual heat input

2. Additional Terms and Conditions

- (a) None

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

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

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

II. Operational Restrictions

1. The quality of oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lb sulfur dioxide/mmBtu of actual heat input.
2. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

2. For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the NWDO in writing of any monthly record which shows a deviation of the allowable sulfur dioxide limitation specified in section A.1 of this permit. The notification shall include a copy of such record and shall be sent to the NWDO within 45 days after the deviation occurs.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitations in section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

- b. Emission Limitation:
0.020 lb PE/mmBtu

Applicable Compliance Method:
When firing natural gas, the permittee shall demonstrate compliance by multiplying an emission factor of 1.9 lbs PE (filterable)/mmcu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (38,000 cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (40 mmBtu/hr).

When firing #2 fuel oil or a combination of #2 fuel oil and natural gas, the permittee shall demonstrate compliance by multiplying an emission factor of 2 lbs PE/1,000 gallons of oil by the emissions unit's maximum hourly fuel consumption rate (286 gallons/hr) and dividing by the emissions unit's maximum heat input capacity (40 mmBtu/hr).

If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with the procedures and methods specified in OAC 3745-17-03(B)(9).

- c. Emission Limitation:
1.6 pounds SO₂/mmBtu of actual heat input

Applicable Compliance Method:
When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B002 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>
40 mmBtu/hr natural gas and/or #2 fuel oil-fired boiler (boiler 1-2)	none	none

2. **Additional Terms and Conditions**

- 1. None

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

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

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

II. **Operational Restrictions**

- 1. None

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

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

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

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

- 1. None

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

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

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

IV. **Reporting Requirements**

- 1. None

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

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

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

V. **Testing Requirements**

- 1. None

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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>
60 mmBtu/hr natural gas and/or #2 fuel oil-fired boiler (boiler 1-1)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule. 0.020 lb PE/mmBtu of actual heat input 1.6 lbs SO ₂ /mmBtu of actual heat input
	OAC rule 3745-17-10(B)	
	OAC rule 3745-18-06(D)	

2. Additional Terms and Conditions

- (a) None

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

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

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

II. Operational Restrictions

1. The quality of oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lb sulfur dioxide/mmBtu of actual heat input.
2. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

2. For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the NWDO in writing of any monthly record which shows a deviation of the allowable sulfur dioxide limitation specified in section A.1 of this permit. The notification shall include a copy of such record and shall be sent to the NWDO within 45 days after the deviation occurs.

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitations in section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
0.020 lb PE/mmBtu

Applicable Compliance Method:
When firing natural gas, the permittee shall demonstrate compliance by multiplying an emission factor of 1.9 lbs PE (filterable)/mmcu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (57,000 cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (60 mmBtu/hr).

When firing #2 fuel oil or a combination of #2 fuel oil and natural gas, the permittee shall demonstrate compliance by multiplying an emission factor of 2 lbs PE/1,000 gallons of oil by the emissions unit's maximum hourly fuel consumption rate (429 gallons/hr) and dividing by the emissions unit's maximum heat input capacity (60 mmBtu/hr).

If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with the procedures and methods specified in OAC 3745-17-03(B)(9).
 - c. Emission Limitation:
1.6 pounds SO₂/mmBtu of actual heat input

Applicable Compliance Method:
When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 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>
60 mmBtu/hr natural gas and/or #2 fuel oil-fired boiler (boiler 1-1)	none	none

2. **Additional Terms and Conditions**

1. None

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. None

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

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

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

IV. **Reporting Requirements**

1. None

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

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

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

V. **Testing Requirements**

1. None

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B004 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
76.5 mmBtu/hr natural gas and/or #2 fuel oil-fired boiler (boiler 1-3)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule. 0.020 lb PE/mmBtu of actual heat input 1.6 lbs SO2/mmBtu of actual heat input
	OAC rule 3745-17-10(B)	
	OAC rule 3745-18-06(D)	
2. Additional Terms and Conditions		

- (a) None

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

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

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

II. Operational Restrictions

1. The quality of oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lb sulfur dioxide/mmBtu of actual heat input.
2. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
2. For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the NWDO in writing of any monthly record which shows a deviation of the allowable sulfur dioxide limitation specified in section A.1 of this permit. The notification shall include a copy of such record and shall be sent to the NWDO within 45 days after the deviation occurs.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitations in section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
0.020 lb PE/mmBtu

Applicable Compliance Method:
When firing natural gas, the permittee shall demonstrate compliance by multiplying an emission factor of 1.9 lbs PE (filterable)/mmcu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (73,000 cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (76.5 mmBtu/hr).

When firing #2 fuel oil or a combination of #2 fuel oil and natural gas, the permittee shall demonstrate compliance by multiplying an emission factor of 2 lbs PE/1,000 gallons of oil by the emissions unit's maximum hourly fuel consumption rate (546 gallons/hr) and dividing by the emissions unit's maximum heat input capacity (76.5 mmBtu/hr).

If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with the procedures and methods specified in OAC 3745-17-03(B)(9).
 - c. Emission Limitation:

1.6 pounds SO2/mmBtu of actual heat input

Applicable Compliance Method:

When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B004 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
76.5 mmBtu/hr natural gas and/or #2 fuel oil- fired boiler (boiler 1-3)		none

2. **Additional Terms and Conditions**

- 1. None

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

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

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

II. **Operational Restrictions**

- 1. None

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

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

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

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

- 1. None

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

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

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

IV. **Reporting Requirements**

- 1. None

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

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

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

V. **Testing Requirements**

1. None

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B005 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>
12 mmBtu/hr natural gas/liquified petroleum gas (LPG)-indirect fired furnace (powdered porcelain flatware furnace)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input

2. **Additional Terms and Conditions**

- (a) None

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

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

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

II. **Operational Restrictions**

1. The permittee shall burn only natural gas and/or LPG in this emissions unit.

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

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

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

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

1. For each day during which the permittee burns a fuel other than natural gas and/or LPG, the permittee shall maintain a record of the type of fuel burned in this emissions unit.

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

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

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

IV. **Reporting Requirements**

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

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)
- b. Emission Limitation:
0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance by multiplying an emission factor of 1.9 lbs PE (filterable)/mmcu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (11,400 cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (12 mmBtu/hr).

If required, the permittee shall demonstrate compliance with the above particulate emission limitation in accordance with the procedures and methods specified in OAC 3745-17-03(B)(9).

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B005 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>
12 mmBtu/hr natural gas/liquified petroleum gas (LPG)-indirect fired furnace (powdered porcelain flatware furnace)	OAC rule 3745-31-05 (PTI #03-11288)	1.6 lbs nitrogen oxides (NOx)/hr and 7.0 TPY NOx
		0.24 lb PE/hr and 1.05 TPY PE

2. **Additional Terms and Conditions**

- 1. None

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

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

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

II. **Operational Restrictions**

- 1. None

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

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

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

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

- 1. None

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

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

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

IV. **Reporting Requirements**

- 1. None

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

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

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

V. **Testing Requirements**

- 1. Compliance Methods Requirements: Compliance with the emission limitations in section B.I of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:
1.6 lbs NOx/hr, 7.0 TPY NOx

Applicable Compliance Method:
Compliance with the hourly NOx emission limitation shall be determined by multiplying the AP-42, section 1.4 emission factor [100 lbs NOx/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.0114 mmcu. ft./hr).

Compliance with the annual emission limitation will be assumed as long as compliance with the hourly emission limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

If required, the permittee shall demonstrate compliance with the hourly NOx emission limitation above in accordance with Method 7 of 40 CFR Part 60, Appendix A.

- b. Emission Limitation:
0.24 lb PE/hr, 1.05 TPY PE

Applicable Compliance Method:
Compliance shall be determined by multiplying the AP-42, section 1.4 emission factor [1.9 lbs PE (filterable)/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.0114 mmcu. ft./hr).

Compliance with the annual emission limitation will be assumed as long as compliance with the hourly emission limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

If required, the permittee shall demonstrate compliance with the hourly emission limitation pursuant to Methods 1-5 of 40 CFR Part 60, Appendix A.

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B006 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>
18 mmBtu/hr natural gas/liquified petroleum gas (LPG)-indirect fired furnace (porcelain 119 flatware furnace)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input

- 2. **Additional Terms and Conditions**

- (a) None

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

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

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

II. Operational Restrictions

1. The permittee shall only burn only natural gas and/or LPG in this emissions unit.

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or LPG, the permittee shall maintain a record of the type of fuel burned in this emissions unit.

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

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

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

IV. Reporting Requirements

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

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
- a. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.
- Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)
- b. Emission Limitation:
0.020 pound PE/mmBtu of actual heat input
- Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (24,000 cu. ft./hr) by the appropriate emission factor from AP-42, Table 1.4-2 (revised 7/98) [1.9 lbs PE (filterable)/mmcu. ft. of natural gas] and dividing by the maximum heat input capacity of the boiler (18 mmBtu/hr).
- If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(9).

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B006 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>
18 mmBtu/hr natural gas/liquified petroleum gas (LPG)-indirect fired furnace (porcelain 119 flatware furnace)	OAC rule 3745-31-05 (PTI #03-7624)	4.44 lbs PE/day 25.9 lbs NOx/day 10.4 lbs carbon monoxide (CO)/day

2. **Additional Terms and Conditions**

1. None

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

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

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

- II. **Operational Restrictions**

1. None

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

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

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

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

1. None

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

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

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

- IV. **Reporting Requirements**

1. None

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

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

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

- V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
4.44 lbs PE/day

Applicable Compliance Method:
Compliance shall be determined by multiplying the AP-42, section 1.4 emission factor [1.9 lbs PE (filterable)/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.024 mmcu. ft./hr) and then multiplying by 24.

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to Method 5 of 40 CFR Part 60, Appendix A.
 - b. Emission Limitation:
25.9 lbs NOx/day

Applicable Compliance Method:
Compliance shall be determined by multiplying the AP-42, section 1.4 emission factor [100 lbs NOx/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.024 mmcu. ft./hr) and then multiplying by 24.

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to Method 7 of 40 CFR Part 60, Appendix A.
 - c. Emission Limitation:
10.4 lbs CO/day

Applicable Compliance Method:
Compliance shall be determined by multiplying the AP-42, section 1.4 emission factor [84 lbs CO/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.024 mmcu. ft./hr) and then multiplying by 24.

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to Method 10 of 40 CFR Part 60, Appendix A.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B007 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>
25.5 mmBtu/hr natural gas/liquified petroleum gas (LPG)-indirect fired furnace (porcelain 113 roundware furnace)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input
2. Additional Terms and Conditions		
(a) None		

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

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

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

II. **Operational Restrictions**

1. The permittee shall only burn only natural gas and/or LPG in this emissions unit.

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

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

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

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

1. For each day during which the permittee burns a fuel other than natural gas and/or LPG, the permittee shall maintain a record of the type of fuel burned in this emissions unit.

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

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

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

IV. **Reporting Requirements**

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

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
 - Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.
 - Applicable Compliance Method:
 - OAC rule 3745-17-03(B)(1)

- b. Emission Limitation:
0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method:

The permittee shall demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (24,000 cu. ft./hr) by the appropriate emission factor from AP-42, Table 1.4-2 (revised 7/98) [1.9 lbs PE (filterable)/mmcu. ft. of natural gas] and dividing by the maximum heat input capacity of the boiler (25.5 mmBtu/hr).

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(9).

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B007 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>
25.5 mmBtu/hr natural gas/liquified petroleum gas (LPG)-indirect fired furnace (porcelain 113 roundware furnace)	OAC rule 3745-31-05 (PTI #03-6632)	0.16 lb PE/hr 0.89 lb NOx/hr

- 2. **Additional Terms and Conditions**

- 1. None

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

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

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

II. **Operational Restrictions**

- 1. None

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

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

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

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

- 1. None

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

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

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

IV. **Reporting Requirements**

- 1. None

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitation:
0.16 lb PE/hr

Applicable Compliance Method:
Compliance shall be determined by multiplying the AP-42, section 1.4 emission factor [1.9 lbs PE (filterable)/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.024 mmcu. ft./hr).

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to Method 5 of 40 CFR Part 60, Appendix A.

b. Emission Limitation:
0.89 lb NOx/hr

Applicable Compliance Method:
Compliance shall be determined by multiplying the AP-42, section 1.4 emission factor [100 lbs NOx/mmcu. ft. of natural gas] (revised 7/98) by the maximum natural gas burning capacity of the emissions unit (0.024 mmcu. ft./hr).

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to Method 7 of 40 CFR Part 60, Appendix A.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B008 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>
10 mmBtu/hr natural gas/liquified petroleum gas (LPG) air make-up unit	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input

2. **Additional Terms and Conditions**

(a) None

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

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

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

II. **Operational Restrictions**

1. The permittee shall burn only natural gas and/or LPG in this emissions unit.

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

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

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

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

1. For each day during which the permittee burns a fuel other than natural gas and/or LPG, the permittee shall maintain a record of the type of fuel burned in this emissions unit.

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

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

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

IV. **Reporting Requirements**

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

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

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

0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (9,500 cu. ft./hr) by the appropriate emission factor from AP-42, Table 1.4-2 (revised 7/98) [1.9 lbs PE (filtrable)/mmcu. ft. of natural gas] and dividing by the maximum heat input capacity of the boiler (10 mmBtu/hr).

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(9).

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B008 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>
10 mmBtu/hr natural gas/liquified petroleum gas (LPG) air makeup unit	none	none
2. Additional Terms and Conditions		

- 1. None

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

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

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

II. Operational Restrictions

- 1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

- 1. None

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

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

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

IV. Reporting Requirements

- 1. None

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

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

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

V. Testing Requirements

- 1. None

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: B009 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>
15 mmBtu/hr natural gas/liquified petroleum gas (LPG) air makeup unit	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input

2. Additional Terms and Conditions

- (a) None

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

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

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

II. Operational Restrictions

1. The permittee shall burn only natural gas and/or LPG in this emissions unit.

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or LPG, the permittee shall maintain a record of the type of fuel burned in this emissions unit.

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

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

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

IV. Reporting Requirements

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

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:
0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (14,300 cu. ft./hr) by the appropriate emission factor from AP-42, Table 1.4-2 (revised 7/98) [1.9 lbs PE (filtrable)/mmcu. ft. of natural gas] and dividing by the maximum heat input capacity of the boiler (15 mmBtu/hr).

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(9).

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: B009 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</u>
---	--------------------------------------	---

- | | | |
|--|---|-------------------------|
| | 15 mmBtu/hr natural gas/liquified petroleum gas (LPG) air makeup unit | <u>Measures</u>
none |
|--|---|-------------------------|
2. **Additional Terms and Conditions**
 1. None

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. None

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

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

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

IV. **Reporting Requirements**

1. None

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

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

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

V. **Testing Requirements**

1. None

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: K005 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>
#1 e-coat paint system [cathodic e-coat bath with rinse stages and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-21-09(K)	2.8 lbs pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents (see A.I.2.a)

2. **Additional Terms and Conditions**

- a. The VOC contents of the coatings employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 2.8 lbs VOC/gallon of coating, as a daily volume-weighted

average, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank on a daily basis shall also meet 2.8 pounds of VOC per gallon of coating materials, as a volume-weighted average, excluding water and exempt solvents.

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

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

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

II. Operational Restrictions

1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the electrocoating 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; and
 - d. the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual materials, divided by the total number of gallons of all materials.

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

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

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

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the materials added to the dip tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi)] / [summation of Gi] for i = 1 to n

where:

i = 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents
2. Any determination of VOC content, solids content, or density of a coating material shall be based on the coating material as employed (as applied), including the addition of any thinner or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the coating material or from data determined by an analysis of each coating material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent or alternative method.

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: K005 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>
#1 e-coat paint system [cathodic e-coat bath with rinse stages and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-31-05 (PTI #03-1758)	See B.I.2.a.

2. Additional Terms and Conditions

- a. The total VOC emissions from emissions units K005, K007, K008, K009, K010 and K011 combined shall not exceed 460 tons per year.

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

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

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

II. Operational Restrictions

- 1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each month for emissions units K005, K007, K008, K009, K010 and K011 combined:
 - a. the name and identification number of each material employed;
 - b. the VOC content of each material employed, in pounds per gallon;
 - c. the volume, in gallons, of each material employed;
 - d. the emissions of VOC for each material employed, in pounds; and
 - e. the total emissions of VOC for all the materials employed, in tons.

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

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

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

IV. Reporting Requirements

- 1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K005, K007, K008, K009, K010 and K011 combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
460 TPY VOC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements in section B.III of this permit and shall be the sum of the 12 monthly VOC emissions for the calendar year.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: K007 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
old top coat system [reinforcing booth, Ransburg booth, vapor tunnel and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) oven]	OAC rule 3745-17-07(A)	none (see A.I.2.a)
	OAC rule 3745-17-11	none (see A.I.2.b)
	OAC rule 3745-21-09(K)	2.8 lbs pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

2. **Additional Terms and Conditions**

- a. 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 OAC rule 3745-17-11 is not applicable.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II in OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply since the facility is located in Marion County.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. 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 VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed;

- c. the number of gallons of each coating employed, excluding water and exempt solvents; and
- d. the daily, volume-weighted average VOC content of the combination of coatings employed, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual coatings, divided by the total number of gallons of all coatings.

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

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

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

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the coatings employed shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi)] / [summation of Gi] for i = 1 to n

where:

i = 1, 2, 3, ...n

n = the total number of the different types of coatings employed for that day

Gi = the number of gallons of coating i (excluding water and exempt solvents) employed for that day

VOCi = the VOC content of coating i, in pounds/gallon of coating, excluding water and exempt solvents
2. Any determination of VOC content, solids content, or density of a coating shall be based on the coating as employed (as applied), including the addition of any thinner or viscosity reducer to the coating. The permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or from data determined by an analysis of each coating, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coatings by Reference Method 24 or an equivalent or alternative method.

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: K007 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
old top coat system [reinforcing booth, Ransburg booth, vapor tunnel and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) oven]	OAC rule 3745-31-05 (PTI #03-1758)	See B.I.2.a.

2. **Additional Terms and Conditions**

- a. The total VOC emissions from emissions units K005, K007, K008, K009, K010 and K011 combined shall not exceed 460 tons per year.

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

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

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

- II. **Operational Restrictions**

1. None

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

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

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

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

1. The permittee shall collect and record the following information each month for emissions units K005, K007, K008, K009, K010 and K011 combined:
 - a. the name and identification number of each material employed;
 - b. the VOC content of each material employed, in pounds per gallon;
 - c. the volume, in gallons, of each material employed;
 - d. the emissions of VOC for each material employed, in pounds; and
 - e. the total emissions of VOC for all the materials employed, in tons.

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

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

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

- IV. **Reporting Requirements**

1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K005, K007, K008, K009, K010 and K011 combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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

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

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

- V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 Emission Limitation:
 460 TPY VOC

 Applicable Compliance Method:
 Compliance shall be demonstrated based upon the record keeping requirements in section B.III of this permit and shall be the sum of the 12 monthly VOC emissions for the calendar year.

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

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

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

- VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: K008 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>
gear case paint system (paint dip booth, cooling tunnel and 1.8 mmBtu/hr oven)	OAC rule 3745-21-09(K)	2.8 lbs pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents (see A.I.2.a)

2. Additional Terms and Conditions

- a. The VOC contents of the coatings employed in the dip tank of this emissions unit shall comply with the VOC content limitation of 2.8 lbs VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank on a daily basis shall also meet 2.8 pounds of VOC per gallon of coating materials, as a volume-weighted average, excluding water and exempt solvents.

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

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

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

II. Operational Restrictions

1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. 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; and
 - d. the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual materials, divided by the total number of gallons of all materials.

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

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

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

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the materials added to the dip tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi)] / [summation of Gi] for i = 1 to n

where:

i = 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

2. Any determination of VOC content, solids content, or density of a coating material shall be based on the coating material as employed (as applied), including the addition of any thinner or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the coating material or from data determined by an analysis of each coating material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent or alternative method.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: K008 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>
gear case paint system (paint dip booth, cooling tunnel and 1.8 mmBtu/hr oven)	OAC rule 3745-31-05 (PTI #03-1758)	See B.1.2.a.

2. **Additional Terms and Conditions**

- a. The total VOC emissions from emissions units K005, K007, K008, K009, K010 and K011 combined shall not exceed 460 tons per year.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. The permittee shall collect and record the following information each month for emissions units K005, K007, K008, K009, K010 and K011 combined:
 - a. the name and identification number of each material employed;

- b. the VOC content of each material employed, in pounds per gallon;
- c. the volume, in gallons, of each material employed;
- d. the emissions of VOC for each material employed, in pounds; and
- e. the total emissions of VOC for all the materials employed, in tons.

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

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

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

IV. Reporting Requirements

- 1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K005, K007, K008, K009, K010 and K011 combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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

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

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

V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
460 TPY VOC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements in section B.III of this permit and shall be the sum of the 12 monthly VOC emissions for the calendar year.

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

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

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

VI. Miscellaneous Requirements

None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: K009 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>
#2 e-coat paint system [cathodic e-coat bath with rinse stages and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-21-09(K)	2.8 lbs pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents (see A.I.2.a)

2. Additional Terms and Conditions

- a. The VOC contents of the coatings employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 2.8 lbs VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank on a daily basis shall also meet 2.8

pounds of VOC per gallon of coating materials, as a volume-weighted average, excluding water and exempt solvents.

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

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

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

II. Operational Restrictions

1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the electrocoating 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; and
 - d. the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual materials, divided by the total number of gallons of all materials.

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

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

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

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the materials added to the dip tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi)] / [summation of Gi] for i = 1 to n

where:

i = 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents
2. Any determination of VOC content, solids content, or density of a coating material shall be based on the coating material as employed (as applied), including the addition of any thinner or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the coating material or from data determined by an analysis of each coating material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent or alternative method.

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: K009 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 e-coat paint system [cathodic e-coat bath with rinse stages and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-31-05 (PTI #03-1758)	See B.I.2.a.

2. Additional Terms and Conditions

- a. The total VOC emissions from emissions units K005, K007, K008, K009, K010 and K011 combined shall not exceed 460 tons per year.

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

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

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

II. Operational Restrictions

1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for emissions units K005, K007, K008, K009, K010 and K011 combined:
 - a. the name and identification number of each material employed;
 - b. the VOC content of each material employed, in pounds per gallon;
 - c. the volume, in gallons, of each material employed;
 - d. the emissions of VOC for each material employed, in pounds; and
 - e. the total emissions of VOC for all the materials employed, in tons.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K005, K007, K008, K009, K010 and K011 combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

Emission Limitation:
460 TPY VOC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements in section B.III of this permit and shall be the sum of the 12 monthly VOC emissions for the calendar year.

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

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

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

VI. **Miscellaneous Requirements**

None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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>
new top coat paint system [reinforcing booth, Ransburg booth, vapor tunnel and 3.6 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-17-07(A)	none (see A.I.2.a)
	OAC rule 3745-17-11	none (see A.I.2.b)
	OAC rule 3745-21-09(K)	2.8 lbs pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents
	NSPS, 40 CFR Part 60, Subpart SS	0.90 kg VOC/liter of applied coating solids, based on a monthly volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids

2. **Additional Terms and Conditions**

- a. 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 OAC rule 3745-17-11 is not applicable.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II in OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply since the facility is located Marion County.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. 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 VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed;
- c. the number of gallons of each coating employed, excluding water and exempt solvents; and
- d. the daily, volume-weighted average VOC content of the combination of coatings employed, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual coatings, divided by the total number of gallons of all coatings.
2. Each month, the permittee shall determine the monthly volume-weighted average of the total mass of VOCs emitted to the atmosphere per volume of applied coating solids, in kilograms per liter, calculated as follows:
- a. Calculate the mass of VOCs consumed (Mo+Md) during the calendar month by the following equation:
- $$Mo+Md = [\text{summation of } (Lci \times Dci \times Woi) \text{ for } i = 1, 2, \dots, n + \text{summation of } (Ldj \times Ddj) \text{ for } j = 1, 2, \dots, m]$$
- where:
- Mo = the total VOC emissions, in kilograms, from all the coatings consumed, as received
- Md = the total VOC emissions, in kilograms, from all the solvents added to the coatings
- Lci = the total volume, in liters, of coating i consumed, as received
- Ldj = the total volume, in liters, of solvent j added to coatings
- Dci = density of coating i, as received (kilograms per liter)
- Ddj = density of solvent j added to coatings (kilograms per liter)
- Woi = the fraction, by weight, of the VOCs in coating i, as received
- n = the number of different coatings used during the calendar month
- m = the number of different solvents added to coatings during the calendar month
- b. Calculate the total volume of coatings solids used (Ls) in the calendar month by the following equation:
- $$Ls = \text{summation of } (Lci \times Vsi) \text{ for } i = 1, 2, \dots, n$$
- where:
- Ls = the volume of all the coatings solids consumed (liters)
- Lci = the volume of coating i consumed, as received (liters)
- Vsi = the fraction, by volume, of the solids in coating i, as received
- n = the number of different coatings used during the calendar month
- c. Calculate the volume-weighted average mass of VOCs consumed per unit volume of coating solids applied during the calendar month by the following equation:
- $$G = (Mo+Md)/(Ls \times T)$$
- where:
- G = the volume-weighted average mass of VOCs in coatings consumed in a calendar month per unit volume of applied coating solids (kilograms per liter)
- T = transfer efficiency (0.4)

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

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

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

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the VOC emission limitation of 0.9 kg VOC/liter of coating solids (based on a monthly volume-weighted average).
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

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

- a. Emission Limitation:
2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the coatings employed shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi)] / [summation of Gi] for i = 1 to n

where:

i = 1, 2, 3, ...n

n = the total number of the different types of coatings employed for that day

Gi = the number of gallons of coating i (excluding water and exempt solvents) employed for that day

VOCi = the VOC content of coating i, in pounds/gallon of coating, excluding water and exempt solvents

- b. Emission Limitation:
0.90 kg VOC/liter of applied coating solids (based on a monthly volume-weighted average)

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit.

- 2. Any determination of VOC content*, solids content, or density of a coating shall be based on the coating as employed (as applied), including the addition of any thinner or viscosity reducer to the coating. The permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or from data determined by an analysis of each coating, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coatings by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all volatile organic compounds that are in a coating expressed as pounds of VOC per gallon, excluding water and exempt solvents, and kilograms of VOC per liter of coating solids.

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 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>
new top coat paint system [reinforcing booth, Ransburg booth, vapor tunnel and 3.6 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-31-05 (PTI #03-1758)	See B.I.2.a.

- 2. **Additional Terms and Conditions**

- a. The total VOC emissions from emissions units K005, K007, K008, K009, K010 and K011 combined shall not exceed 460 tons per year.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. The permittee shall collect and record the following information each month for emissions units K005, K007, K008, K009, K010 and K011 combined:
 - a. the name and identification number of each material employed;
 - b. the VOC content of each material employed, in pounds per gallon;
 - c. the volume, in gallons, of each material employed;
 - d. the emissions of VOC for each material employed, in pounds; and
 - e. the total emissions of VOC for all the materials employed, in tons.

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

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

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

IV. **Reporting Requirements**

1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K005, K007, K008, K009, K010 and K011 combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - b. Emission Limitation:
460 TPY VOC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements in section B.III of this permit and shall be the sum of the 12 monthly VOC emissions for the calendar year.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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>
#3 e-coat paint system [cathodic e-coat bath with rinse stages and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-21-09(K)	2.8 lbs pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents (see A.I.2.a)
	NSPS, 40 CFR Part 60, Subpart SS	0.90 kg VOC/liter of applied coating solids, based on a monthly volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids

2. **Additional Terms and Conditions**

- a. The VOC contents of the coatings employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 2.8 lbs VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank on a daily basis shall also meet 2.8 pounds of VOC per gallon of coating materials, as a volume-weighted average, excluding water and exempt solvents.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. The permittee shall collect and record the following information each day for the electrocoating 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; and
 - d. the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual materials, divided by the total number of gallons of all materials.
2. Each month, the permittee shall determine the monthly volume-weighted average of the total mass of VOCs emitted to the atmosphere per volume of applied coating solids, in kilograms per liter, calculated as follows:
 - a. Calculate the mass of VOCs consumed (Mo+Md) during the calendar month by the following equation:

$$Mo+Md = [\text{summation of } (L_{ci} \times D_{ci} \times W_{oi}) \text{ for } i = 1, 2, \dots, n + \text{summation of } (L_{dj} \times D_{dj}) \text{ for } j = 1, 2, \dots, m]$$
 where:
 - Mo = the total VOC emissions, in kilograms, from all the coatings consumed, as received
 - Md = the total VOC emissions, in kilograms, from all the solvents added to the coatings
 - Lci = the total volume, in liters, of coating i consumed, as received
 - Ldj = the total volume, in liters, of solvent j added to coatings
 - Dci = density of coating i, as received (kilograms per liter)
 - Ddj = density of solvent j added to coatings (kilograms per liter)
 - Woi = the fraction, by weight, of the VOCs in coating i, as received
 - n = the number of different coatings used during the calendar month
 - m = the number of different solvents added to coatings during the calendar month

- b. Calculate the total volume of coatings solids used (Ls) in the calendar month by the following equation:

$$Ls = \text{summation of } (L_{ci} \times V_{si}) \text{ for } i = 1, 2, \dots, n$$
 where:
 - Ls = the volume of all the coatings solids consumed (liters)

L_{ci} = the volume of coating i consumed, as received (liters)

V_{si} = the fraction, by volume, of the solids in coating i , as received

n = the number of different coatings used during the calendar month

- c. Calculate the volume-weighted average mass of VOCs consumed per unit volume of coating solids applied during the calendar month by the following equation:

$$G = (M_o + M_d) / (L_s \times T)$$

where:

G = the volume-weighted average mass of VOCs in coatings consumed in a calendar month per unit volume of applied coating solids (kilograms per liter)

T = transfer efficiency (0.95)

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

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

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

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the VOC emission limitation of 0.9 kg VOC/liter of coating solids (based on a monthly volume-weighted average).
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the materials added to the dip tank shall be calculated using the following equation:

$$\text{Daily volume-weighted average} = [\text{summation of } (G_i \times \text{VOC}_i)] / [\text{summation of } G_i] \text{ for } i = 1 \text{ to } n$$

where:

$i = 1, 2, 3, \dots, n$

n = the total number of the different types of materials added to the dip tank for that day

G_i = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOC_i = the VOC content of material i , in pounds/gallon of material, excluding water and exempt solvents
 - b. Emission Limitation:

0.90 kg VOC/liter of applied coating solids (based on a monthly volume-weighted average)

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit.
2. Any determination of VOC content, solids content, or density of a coating material shall be based on the coating material as employed (as applied), including the addition of any thinner or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the coating material or from data determined by an analysis of each coating material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all volatile organic compounds that are in a coating material expressed as pounds of VOC per gallon, excluding water and exempt solvents, and kilograms of VOC per liter of coating solids.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: K011 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>
#3 e-coat paint system [cathodic e-coat bath with rinse stages and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-31-05 (PTI #03-1758)	See B.I.2.a.
2. Additional Terms and Conditions		
a. The total VOC emissions from emissions units K005, K007, K008, K009, K010 and K011 combined shall not exceed 460 tons per year.		

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. The permittee shall collect and record the following information each month for emissions units K005, K007, K008, K009, K010 and K011 combined:
 - a. the name and identification number of each material employed;
 - b. the VOC content of each material employed, in pounds per gallon;
 - c. the volume, in gallons, of each material employed;
 - d. the emissions of VOC for each material employed, in pounds; and
 - e. the total emissions of VOC for all the materials employed, in tons.

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

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

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

IV. **Reporting Requirements**

1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K005, K007, K008, K009, K010 and K011 combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms

and conditions of this permit shall be determined in accordance with the following method(s):

- b. Emission Limitation:
460 TPY VOC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements in section B.III of this permit and shall be the sum of the 12 monthly VOC emissions for the calendar year.

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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>
organic powder coating paint system [booths and 10 mmBtu/hr natural gas/liquified petroleum gas (LPG) cure oven]	OAC rule 3745-17-07(A)	none (see A.I.2.a)
	OAC rule 3745-17-11	none (see A.I.2.b)
	OAC rule 3745-21-09(K)	2.8 lbs pounds of VOC per gallon of coating, excluding water and exempt solvents

2. **Additional Terms and Conditions**

- a. 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 OAC rule 3745-17-11 is not applicable.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II in OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply since the facility is located Marion County.

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

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

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

II. **Operational Restrictions**

- 1. None

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

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

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

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

- 1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating employed; and
 - b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed.

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

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

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

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coating materials (i.e., for VOC content). 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 following the end of the calendar month.

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

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

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

V. Testing Requirements

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

Emission Limitation:
2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit.
2. Any determination of VOC content, solids content, or density of a coating shall be based on the coating as employed (as applied), including the addition of any thinner or viscosity reducer to the coating. The permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or from data determined by an analysis of each coating, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coatings by Reference Method 24 or an equivalent or alternative method.

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 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. Additional Terms and Conditions		
1. None		

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

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

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

II. Operational Restrictions

1. None

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

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

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

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

- 1. None

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

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

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

IV. **Reporting Requirements**

- 1. None

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

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

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

V. **Testing Requirements**

- 1. None

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

2. Additional Terms and Conditions

- (a) None

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

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

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

II. **Operational Restrictions**

- 1. This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
- 2. The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and

- b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall comply with the following operational restrictions:
 - a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall 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 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 the monitoring devices associated with the furnace's safeguards and interlock system.
3. The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - a. the dates the emissions unit was in operation;
 - b. the number of batches processed for each date the emissions unit was in operation;
 - c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit 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 action 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.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method:
Compliance with the PE limitation above shall be based upon the results of the stack testing required in section A.V.2 of this permit.

- b. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)
- 2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after permit issuance.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
 - c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate for particulates: Method 5 of 40 CFR Part 60, Appendix A.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- 3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

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

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-31-05 (PTI #03-9707)	1.0 lb PE/hr
		See B.I.2.a.

2. **Additional Terms and Conditions**

- a. VEs from this emissions unit shall not exceed 5% opacity except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

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

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

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

II. Operational Restrictions

- 1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

- 1. None

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

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

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

IV. Reporting Requirements

- 1. None

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

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

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

V. Testing Requirements

- 1. Compliance Methods Requirements: Compliancace with the emission limitation in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method:
 - a. Emission Limitation:
1 lb PE/hr

Applicable Compliance Method:
Compliance with the PE limitation above shall be based upon the results of the stack testing required in section A.V.2 of this permit.
 - b. Emission Limitation:
5% opacity

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: N002 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed

20%, as a 6-minute average, except as provided by rule.

OAC rule 3745-17-09(B)

0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

2. **Additional Terms and Conditions**

- (a) None

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

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

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

II. **Operational Restrictions**

1. This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
2. The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and
 - b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall comply with the following operational restrictions:
 - a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

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

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

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

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

1. The permittee shall 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 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 the monitoring devices associated with the furnace's safeguards and interlock system.
3. The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - a. the dates the emissions unit was in operation;
 - b. the number of batches processed for each date the emissions unit was in operation;
 - c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit 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 action 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.

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

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

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

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: N002 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-31-05 (PTI #03-9707)	1.0 lb PE/hr
		See B.I.2.a.

2. Additional Terms and Conditions

- a. VEs from this emissions unit shall not exceed 5% opacity except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

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

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

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

II. Operational Restrictions

- 1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

- 1. None

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

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

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

IV. Reporting Requirements

- 1. None

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

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

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

V. Testing Requirements

- 1. Compliance Methods Requirements: Compliancace with the emission limitation in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method:
 - a. Emission Limitation:
1 lb PE/hr

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
5% opacity

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: N003 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A) OAC rule 3745-17-09(B)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule. 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

- 2. **Additional Terms and Conditions**

- (a) None

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

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

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

II. Operational Restrictions

1. This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
2. The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and
 - b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall comply with the following operational restrictions:
 - a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall 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 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 the monitoring devices associated with the furnace's safeguards and interlock system.
3. The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - a. the dates the emissions unit was in operation;
 - b. the number of batches processed for each date the emissions unit was in operation;
 - c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit 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 action 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.

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliancpe with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: N003 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-31-05 (PTI #03-9707)	1.0 lb PE/hr, 4.38 TPY PE See B.I.2.a.

2. **Additional Terms and Conditions**

- a. VEs from this emissions unit shall not exceed 5% opacity except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

- 1. None

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

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

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

IV. Reporting Requirements

- 1. None

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

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

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

V. Testing Requirements

- 1. Compliance Methods Requirements: Compliancne with the emission limitation in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method:
 - a. Emission Limitation:
1 lb PE/hr, 4.38 TPY PE

Applicable Compliance Method:
If required, compliance with the PE hourly limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).

Compliance with the annual emission limitation will be assumed as long as compliance with the hourly limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).
 - b. Emission Limitation:
5% opacity

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: N004 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

2. Additional Terms and Conditions

- (a) None

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

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

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

II. Operational Restrictions

1. This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
2. The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and
 - b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall comply with the following operational restrictions:
 - a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall 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 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 the monitoring devices associated with the furnace's safeguards and interlock system.
3. The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - a. the dates the emissions unit was in operation;
 - b. the number of batches processed for each date the emissions unit was in operation;
 - c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

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

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

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

IV. Reporting Requirements

1. The permittee shall submit 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 action 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.

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliancpe with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

 Applicable Compliance Method:
 If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
 Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

 Applicable Compliance Method:
 OAC rule 3745-17-03(B)(1)

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: N004 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-31-05 (PTI #03-9707)	1.0 lb PE/hr, 4.38 TPY PE See B.I.2.a.

2. **Additional Terms and Conditions**
 - a. VEs from this emissions unit shall not exceed 5% opacity except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. None

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

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

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

IV. Reporting Requirements

- 1. None

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

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

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

V. Testing Requirements

- 1. Compliance Methods Requirements: Complianace with the emission limitation in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method:

- a. Emission Limitation:
1 lb PE/hr, 4.38 TPY PE

Applicable Compliance Method:
If required, compliance with the PE hourly limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).

Compliance with the annual emission limitation will be assumed as long as compliance with the hourly limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

- b. Emission Limitation:
5% opacity

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 Emissions Unit ID: P018 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>
#1 organic silk screen system	OAC rule 3745-21-09(U)(1)(i)	3.0 pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

2. Additional Terms and Conditions

- (a) None

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

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

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

II. Operational Restrictions

- 1. None

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

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

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

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

1. 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 VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed;
 - c. the number of gallons of each coating employed, excluding water and exempt solvents; and
 - d. the daily, volume-weighted average VOC content of the combination of coatings employed, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual coatings, divided by the total number of gallons of all coatings.

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

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

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

IV. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

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

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

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

V. **Testing Requirements**

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

Emission Limitation:
3.0 of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the coatings employed shall be calculated using the following equation:

$$\text{Daily volume-weighted average} = [\text{summation of } (G_i \times \text{VOC}_i)] / [\text{summation of } G_i] \text{ for } i = 1 \text{ to } n$$

where:

$i = 1, 2, 3, \dots, n$

$n =$ the total number of the different types of coatings employed for that day

$G_i =$ the number of gallons of coating i (excluding water and exempt solvents) employed for that day

$\text{VOC}_i =$ the VOC content of coating i , in pounds/gallon of coating, excluding water and exempt solvents
2. Any determination of VOC content, solids content, or density of a coating shall be based on the coating as employed (as applied), including the addition of any thinner or viscosity reducer to the coating. The permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or from data determined by an analysis of each coating, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coatings by Reference Method 24 or an equivalent or alternative method.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 Emissions Unit ID: P018 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>
#1 organic silk screen system	none	none
2. Additional Terms and Conditions		
1. None		

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

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

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

II. Operational Restrictions

- 1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

- 1. None

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

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

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

IV. Reporting Requirements

- 1. None

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

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

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

V. Testing Requirements

- 1. None

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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

- 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

- Additional Terms and Conditions**

- None

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

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

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

- Operational Restrictions**

- This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
- The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and
 - the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
- The permittee shall comply with the following operational restrictions:
 - ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

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

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

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

- Monitoring and/or Record Keeping Requirements**

- 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:
 - the color of emissions;
 - whether the emissions are representative of normal operations;
 - if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - the total duration of any visible emission incident; and
 - any corrective actions taken to eliminate the visible emissions.
- The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.
- The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - the dates the emissions unit was in operation;

- b. the number of batches processed for each date the emissions unit was in operation;
- c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
- d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

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

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

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

IV. Reporting Requirements

- 1. The permittee shall submit 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 action 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.

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

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

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

V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 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>
---	--------------------------------------	--

- 2. Additional Terms and Conditions

- 1. None

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

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

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

II. Operational Restrictions

1. None

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. None

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

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

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

IV. Reporting Requirements

1. None

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

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

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

V. Testing Requirements

1. None

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

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

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

VI. Miscellaneous Requirements

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0372020143 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule. 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator
	OAC rule 3745-17-09(B)	

2. Additional Terms and Conditions

- (a) None

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

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

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

II. Operational Restrictions

1. This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or

physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.

2. The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and
 - b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall comply with the following operational restrictions:
 - a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

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

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

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

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

1. The permittee shall 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 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 the monitoring devices associated with the furnace's safeguards and interlock system.
3. The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - a. the dates the emissions unit was in operation;
 - b. the number of batches processed for each date the emissions unit was in operation;
 - c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

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

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

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

IV. **Reporting Requirements**

1. The permittee shall submit 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 action 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.

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Compliancpe with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0372020143 Issuance type: Title V Draft Permit

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

Facility ID: 0372020143 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-31-05 (PTI #03-2677)	0.13 lb PE/hr

2. **Additional Terms and Conditions**

- a. VEs from this emissions unit shall not exceed 5% opacity except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. None

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

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

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

IV. **Reporting Requirements**

1. None

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

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

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

V. **Testing Requirements**

1. Compliance Methods Requirements: Complinace with the emission limitation in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method:
 Emission Limitation:
 0.13 lb PE/hr

 Applicable Compliance Method:
 If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).
- b. Emission Limitation:
 5% opacity

 Applicable Compliance Method:
 OAC rule 3745-17-03(B)(1)

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

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. **Miscellaneous Requirements**

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

[Go to the top of this document](#)

Facility ID: 0372020143 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20%, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

2. **Additional Terms and Conditions**

- (a) None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

1. This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
2. The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and

- b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall comply with the following operational restrictions:
 - a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;
 - c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;
 - d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. not process uncured paint or paint sludge, paint filters, PVC, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Coatings that may contain chlorine (PVC), fluorine (Teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall 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 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 the monitoring devices associated with the furnace's safeguards and interlock system.
3. The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:
 - a. the dates the emissions unit was in operation;
 - b. the number of batches processed for each date the emissions unit was in operation;
 - c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. Reporting Requirements

1. The permittee shall submit 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 action 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.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).

- b. Emission Limitation:
Visible PE shall not exceed 20%, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. **Miscellaneous Requirements**

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372020143 Issuance type: Title V Draft Permit

[Go to the top of this document](#)

Facility ID: 0372020143 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>
131 lbs/hr pyrolysis furnace, with afterburner	OAC rule 3745-31-05 (PTI #03-2677)	0.13 lb PE/hr

2. **Additional Terms and Conditions**

- a. VEs from this emissions unit shall not exceed 5% opacity except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. **Monitoring and/or Record Keeping Requirements**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. **Testing Requirements**

- 1. Compliance Methods Requirements: Compliancance with the emission limitation in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method:
Emission Limitation:
0.13 lb PE/hr

Applicable Compliance Method:
If required, compliance with the PE limitation above shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(10).

- b. Emission Limitation:
5% opacity

Applicable Compliance Method:
OAC rule 3745-17-03(B)(1)

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. **Miscellaneous Requirements**

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372020143 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

[Go to the top of this document](#)

Facility ID: 0372020143 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>
#2 organic silk screen system	OAC rule 3745-21-09(U)(1)(i)	3.0 pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

2. **Additional Terms and Conditions**

- (a) None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

- 1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. **Monitoring and/or Record Keeping Requirements**

- 1. 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 VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed;
 - c. the number of gallons of each coating employed, excluding water and exempt solvents; and
 - d. the daily, volume-weighted average VOC content of the combination of coatings employed, excluding water and exempt solvents, i.e., the sum of (b) x (c) for all the individual coatings, divided by the total number of gallons of all coatings.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of noncomplying coating materials (i.e., for VOC content, based on a daily volume-weighted average). 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 following the end of the calendar month.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 Emission Limitation:
 3.0 of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents

 Applicable Compliance Method:
 Compliance shall be based upon the record keeping specified in section A.III of the terms and conditions of this permit. The daily, volume-weighted average of all the coatings employed shall be calculated using the following equation:

$$\text{Daily volume-weighted average} = [\text{summation of } (G_i \times \text{VOC}_i)] / [\text{summation of } G_i] \text{ for } i = 1 \text{ to } n$$
 where:

 $i = 1, 2, 3, \dots, n$

 $n =$ the total number of the different types of coatings employed for that day

 $G_i =$ the number of gallons of coating i (excluding water and exempt solvents) employed for that day

 $\text{VOC}_i =$ the VOC content of coating i , in pounds/gallon of coating, excluding water and exempt solvents
2. Any determination of VOC content, solids content, or density of a coating shall be based on the coating as employed (as applied), including the addition of any thinner or viscosity reducer to the coating. The permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or from data determined by an analysis of each coating, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coatings by Reference Method 24 or an equivalent or alternative method.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0372020143 Issuance type: Title V Draft Permit

[Go to the top of this document](#)

Facility ID: 0372020143 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 organic silk screen system	OAC rule 3745-31-05 (PTI #03-2785)	0.08 lb VOC/hr

2. **Additional Terms and Conditions**

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. Operational Restrictions

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. Monitoring and/or Record Keeping Requirements

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. Reporting Requirements

1. None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
0.08 lb VOC/hr

Applicable Compliance Method:
The permittee shall demonstrate compliance with the above limitation by multiplying the maximum coating usage (0.13 gallon/hr) by the maximum VOC content of all the coatings (5.3 lbs VOC/gallon of coating).

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. Miscellaneous Requirements

1. None