

Facility ID: 1652050085 Issuance type: Final State Permit To Operate

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 II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

[Go to Part II for Emissions Unit K003](#)

[Go to Part II for Emissions Unit N001](#)

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Facility ID: 1652050085 Emissions Unit ID: K003 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. 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>
K003 - Binks 1 1/2 inch spindle conveyor paint coating line - miscellaneous metal parts coating line.	OAC rule 3745-31-05(A)(3) (PTI 16-02139)	17.2 pounds of volatile organic compounds (VOC) per day for coatings  3.64 tons of VOC per year for coatings and cleanup materials  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii).  See B.1 below.

OAC rule 3745-21-09(U)(2)(e)(ii)

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

**B. Operational Restrictions**

1. The permittee shall employ no more than 3.0 gallons of coating in any one day in this emissions unit.

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

1. The permittee shall collect and record the following information each day for the coating line:
  - a. the name and identification number of each coating employed;
  - b. the volume, in gallons, of each coating employed; and
  - c. the total volume, in gallons, of all of the coatings employed;
  - d. the VOC content of each coating, in pounds per gallon, as applied; and
  - e. the total VOC emissions from all coatings employed (i.e., the sum of (b) times (d) for each coating), in pounds per day.
2. The permittee shall collect and record the following information each month for the purpose of determining annual VOC emissions:
  - a. the name and identification of each cleanup material employed;
  - b. the number of gallons of each cleanup material employed;
  - c. the VOC content of each cleanup material, in pounds per gallon;
  - d. the total VOC emissions from all cleanup materials employed (i.e., the sum of (b) times (c) for each cleanup material, then divided by 2000 lbs/ton), in tons; and

e. the total VOC emissions from all coatings and cleanup materials employed, in tons.

**D. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which the VOC emissions exceeded 17.2 pounds per day, and the actual daily VOC emissions for each such day.
3. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
4. The deviation (excursion) reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.2.b.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):  
Emission Limitation  
  
17.2 pounds of VOC per day for coatings  
  
Applicable Compliance Method  
  
Compliance shall be demonstrated based upon the daily record keeping requirements specified in section C.1. Formulation data or USEPA Method 24 or 24A shall be use to determine the VOC content for each coating.  
Emission Limitation  
  
3.64 tons of VOC per year for coatings and cleanup materials  
  
Applicable Compliance Method  
  
Compliance shall be demonstrated based upon the record keeping requirements specified in sections C.1 and C.2. Formulation data or USEPA Method 24 or 24A shall be use to determine the VOC content for each coating and each cleanup material.

**F. Miscellaneous Requirements**

1. None

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Facility ID: 1652050085 Emissions Unit ID: N001 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. 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>
N001 - Coating line cleaning oven - pyrolytic incinerator.	OAC rule 3745-31-05(A)(3) (PTI 16-02139)	0.02 pound of particulate emissions (PE) per hour  0.09 ton of PE per year  0.05 pound of carbon monoxide (CO) per hour  0.22 ton of CO per year

0.05 pound of nitrogen oxides (NOx) per hour

0.22 ton of NOx per year

0.01 pound of sulfur dioxide (SO2) per hour

0.04 ton of SO2 per year

0.02 pound of volatile organic compounds (VOC) per hour

0.09 ton of VOC per year

Visible particulate emissions from any stack shall not exceed five percent opacity, as a six-minute average.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09.

OAC rule 3745-17-07(A)

The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-17-09

0.20 pound of particulate emissions per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged

The incinerator, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.

**2. Additional Terms and Conditions**

(a) None

**B. Operational Restrictions**

1. The permittee shall only burn natural gas as fuel in this emissions unit.
2. The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury.
3. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chlorine, fluorine, or bromine.
4. No parts or materials shall be charged until sufficient time has been allowed for the preheating of the secondary chamber. Both the primary and secondary burners shall be kept in operation during the entire time the incinerator is in use. The auxiliary burner shall be fired until the necessary burn-down time is achieved.
5. The secondary chamber of the incinerator shall be maintained at a temperature of at least 1400 degrees Fahrenheit.

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

1. The permittee shall maintain following information for this emissions unit:
  - a. the MSDS sheets for each material being removed from the salvageable material;
  - b. documentation as to whether or not the material being removed contains any toxic metals; and
  - c. documentation as to whether or not the material being removed contains any halogens.
2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature within the secondary chamber of the incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
3. The permittee shall collect and record the following information for each day:
  - a. all 3-hour blocks of time during which the average combustion temperature within the secondary chamber of the incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit; and
  - b. a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.

**D. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record showing the processing of material in the incinerator that is prohibited in sections B.2 and B.3 of these terms and conditions. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after such an occurrence.
2. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average temperature within the secondary chamber of the incinerator does not comply with the temperature limitation specified above.
3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term

and Condition A.2.b.

**E. Testing Requirements**

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

Emission Limitation

0.02 pound of PE per hour

Applicable Compliance Method

Multiply the allowable emission limitation of 0.20 pound of particulate emissions per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged by the maximum amount of material charged.

Emission Limitation

0.09 ton of PE per year

Applicable Compliance Method

Multiply the allowable hourly particulate emission limitation by 8760 hours per year, and then divide by 2000.

Emission Limitation

0.20 pound of particulate emissions per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged

Applicable Compliance Method

Stack testing may be required in the future in accordance with the test methods and procedures specified in OAC rule 3745-17-03(B)(8).

Emission Limitation

5% opacity as a six-minute average

Applicable Compliance Method

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

Emission Limitation

0.05 pound of CO per hour

Applicable Compliance Method

Multiply the US EPA Fire 6.22 (SCC 5-02-001-01) carbon monoxide emission factor of 10 pounds of carbon monoxide per ton of solid waste burned by the maximum hourly amount of solid waste burned.

Emission Limitation

0.22 ton of CO per year

Applicable Compliance Method

Multiply the allowable hourly emission rate for carbon monoxide by 8760 hours per year, and then divide by 2000.

Emission Limitation

0.05 pound of NOx per hour

Applicable Compliance Method

Multiply the AP-42 (Table 1.4-1 date 7-98) nitrogen oxides emission factor of 100.0 pounds of nitrogen oxides per million standard cubic feet of natural gas fired by the maximum hourly amount of natural gas fired.

Emission Limitation

0.22 ton of NOx per year

Applicable Compliance Method

Multiply the allowable hourly emission rate for nitrogen oxides by 8760 hours per year, and then divide by 2000.

Emission Limitation

0.01 pound of SO2 per hour

Applicable Compliance Method

Multiply the US EPA Fire 6.22 (SCC 5-02-001-01) sulfur dioxide emission factor of 2.5 pounds of sulfur dioxide per ton of solid waste burned by the maximum hourly amount of solid waste burned.

Emission Limitation

0.04 ton of SO2 per year

Applicable Compliance Method

Multiply the allowable hourly emission rate for sulfur dioxide by 8760 hours per year, and then divide by 2000.

Emission Limitation

0.02 pound of VOC per hour

Applicable Compliance Method

Multiply the US EPA Fire 6.22 (SCC 5-02-001-01) volatile organic compounds emission factor of 3.0 pounds of volatile organic compounds per ton of solid waste burned by the maximum hourly amount of solid waste burned.  
Emission Limitation

0.09 ton of VOC per year

Applicable Compliance Method

Multiply the allowable hourly emission rate for volatile organic compounds by 8760 hours per year, and then divide by 2000.

F. **Miscellaneous Requirements**

1. None