

Facility ID: 0322000048 Issuance type: Title V Final Permit

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

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

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

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Facility ID: 0322000048 Issuance type: Title V Final 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: 0322000048 Issuance type: Title V Final Permit

b State Only Enforceable Section

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

boiler #2 (B009), boiler #1 (B010), boiler #3 (B011), boiler #4 (B012), boiler #5 (B013), boiler #6 (B014), boiler #7 (B015), IRMC shot blast unit (Z005), 175 lbs/hour paint burn-off oven (N001), #1 Banbury mixer (P003), #2 Banbury mixer (P004), K7 mixer (P005), mold cleaning dip tank (P012), phosphoric acid parts washer #1 (P013), phosphoric acid parts washer #2 (P014), pellet handling operation (P015), R&D degreaser (P016), pellet cooling conveyor (P017), 37 space heaters (Z001), cold feed extruder (Z003), barwell (Z004), 2107 feeder (Z006), dispensing room exhaust (Z008), nitrogen tumbler (Z009), large tool room cold cleaner (Z010), small parts cleaner (Z011), aqueous degreaser (Z012), R&D small paint booth (Z013), press room (Z014), injection molding presses (Z015), jet zone pellet cooker (K-7) (Z016), R&D miscellaneous processes (Z017), R&D car bay degreaser (Z018), R&D fume hood (Z019), R&D dust collector (Z020), chemical compounding area - bins (Z021), prep area trimmer (Z022), trimmer #1 area (Z023), tool room maintenance equipment (Z024), maintenance shop equipment (Z025), carbon black receiving, storage and handling operation (Z026), small parts washer (Z027), process oil storage tank inside of plant (T001), and 1,1,1-TCA storage tank (T002).

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 PTI for the emissions unit.

- [Go to Part III for Emissions Unit K001](#)
- [Go to Part III for Emissions Unit K003](#)
- [Go to Part III for Emissions Unit K004](#)
- [Go to Part III for Emissions Unit P001](#)
- [Go to Part III for Emissions Unit P002](#)

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

Facility ID: 0322000048 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322000048 Emissions Unit ID: K001 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
bonding line #1 - miscellaneous metal parts coating line	OAC rule 3745-21-09(U)	none (refer to section A.I.2.a of the terms and conditions of this permit)
	OAC rule 3745-17-11(B)	none (refer to section A.I.2.c of the terms and conditions of this permit)
	OAC rule 3745-17-07(A)	none (refer to section A.I.2.d of the terms and conditions of this permit)
	OAC rule 3745-21-07(G)	none (refer to section A.I.2.b of the terms and conditions of this permit)

2. Additional Terms and Conditions

- a. This emissions unit was installed prior to March 27, 1981 and the facility's potential to emit of volatile organic compounds (VOC) is less than 100 tons/year. Therefore, in accordance with OAC rule 3745-21-09(A)(3), the provisions of OAC rule 3745-21-09(U) are not applicable to this emissions unit as long as the facility's potential VOC emissions remain below 100 tons/year.
- b. This emissions unit is an existing stationary source and is located in Erie County, which is not a "Priority I" county in accordance with OAC rule 3745-21-06(A). Therefore, in accordance with OAC rule 3745-21-07(A), the provisions of OAC rule 3745-21-07(G) are not applicable to this emissions unit.
- c. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I does not apply since the facility is located in Erie County.
- d. This emissions unit is exempt from the visible PE 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.

[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 K001, K003, and K004 combined:
 - a. the name and identification number of each coating employed;

- b. the volume, in gallons, of each coating employed, as applied;
 - c. the VOC content, in pounds/gallon, of each coating employed, as applied;
 - d. the VOC emissions from each coating employed [b x c], in tons; and
 - e. the total VOC emissions from all coatings employed [the sum of d for all coatings], in tons.
2. The permittee shall collect and record the following information each month for emissions units K001, K003, and K004 combined:
- a. the name and identification of each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the VOC content, in pounds/gallon, of each cleanup material employed;
 - d. the VOC emissions from each cleanup material employed [b x c], in tons;
 - e. the total VOC emissions from all cleanup materials [the sum of d for all cleanup materials employed], in tons; and
 - f. the total VOC emissions from all coatings and cleanup materials employed [the sum of A.III.1.e and A.III.2.e], in tons.
3. The permittee shall collect and record each year the total VOC emissions, in tons, for emissions units K001, K003, and K004 combined. The total VOC emissions shall be the summation of the monthly VOC emissions from section A.III.2.f 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.

IV. Reporting Requirements

1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K001, K003, and K004 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. Any determination of VOC content*, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as employed (as applied), including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coatings/cleanup materials by formulation data supplied by the manufacturer of the coating/cleanup material or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of coatings/cleanup materials by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all volatile organic compounds that are in a coating/cleanup material expressed as pounds of VOC per gallon.

[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: 0322000048 Issuance type: Title V Final Permit

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

Facility ID: 0322000048 Emissions Unit ID: K001 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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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: 0322000048 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322000048 Emissions Unit ID: K003 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
bonding line #2 - miscellaneous metal parts	OAC rule 3745-21-09(U)	none (refer to section A.1.2.a of the terms and conditions of this permit)
coating line	OAC rule 3745-17-11(B)	none (refer to section A.1.2.c of the terms and conditions of this permit)

OAC rule 3745-17-07(A)	conditions of this permit) none (refer to section A.I.2.d of the terms and conditions of this permit)
OAC rule 3745-21-07(G)	none (refer to section A.I.2.b of the terms and conditions of this permit)

2. **Additional Terms and Conditions**

- a. This emissions unit was installed prior to March 27, 1981 and the facility's potential to emit of volatile organic compounds (VOC) is less than 100 tons/year. Therefore, in accordance with OAC rule 3745-21-09(A)(3), the provisions of OAC rule 3745-21-09(U) are not applicable to this emissions unit as long as the facility's potential VOC emissions remain below 100 tons/year.
- b. This emissions unit is an existing stationary source and is located in Erie County, which is not a "Priority I" county in accordance with OAC rule 3745-21-06(A). Therefore, in accordance with OAC rule 3745-21-07(A), the provisions of OAC rule 3745-21-07(G) are not applicable to this emissions unit.
- c. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I does not apply since the facility is located in Erie County.
- d. This emissions unit is exempt from the visible PE 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.

[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 K001, K003, and K004 combined:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed, as applied;
 - c. the VOC content, in pounds/gallon, of each coating employed, as applied;
 - d. the VOC emissions from each coating employed [b x c], in tons; and
 - e. the total VOC emissions from all coatings employed [the sum of d for all coatings], in tons.
2. The permittee shall collect and record the following information each month for emissions units K001, K003, and K004 combined:
 - a. the name and identification of each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the VOC content, in pounds/gallon, of each cleanup material employed;
 - d. the VOC emissions from each cleanup material employed [b x c], in tons;
 - e. the total VOC emissions from all cleanup materials [the sum of d for all cleanup materials employed], in tons; and
 - f. the total VOC emissions from all coatings and cleanup materials employed [the sum of A.III.1.e and A.III.2.e], in tons.
3. The permittee shall collect and record each year the total VOC emissions, in tons, for emissions units K001, K003, and K004 combined. The total VOC emissions shall be the summation of the monthly VOC emissions from section A.III.2.f 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.

IV. **Reporting Requirements**

1. The permittee shall submit annual reports which summarize the actual annual VOC emissions for emissions units K001, K003, and K004 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. Any determination of VOC content*, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as employed (as applied), including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coatings/cleanup materials by formulation data supplied by the manufacturer of the coating/cleanup material or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of coatings/cleanup materials by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all volatile organic compounds that are in a coating/cleanup material expressed as pounds of VOC per gallon.

[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: 0322000048 Issuance type: Title V Final Permit

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

Facility ID: 0322000048 Emissions Unit ID: K003 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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: 0322000048 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322000048 Emissions Unit ID: K004 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
maintenance coating operation - miscellaneous metal parts	OAC rule 3745-21-09(U)	The total coating usage in this emissions unit shall not exceed 10 gallons/day.
	OAC rule 3745-17-11(B)	none (refer to section A.1.2.a of the terms and conditions of this permit)
	OAC rule 3745-17-07(A)	none (refer to section A.1.2.b of the terms and conditions of this permit)

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I does not apply since the facility is located in Erie County.
- b. This emissions unit is exempt from the visible PE 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.

[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 K001, K003, and K004 combined:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed, as applied;
 - c. the VOC content, in pounds/gallon, of each coating employed, as applied;
 - d. the VOC emissions from each coating employed [b x c], in tons; and
 - e. the total VOC emissions from all coatings employed [the sum of d for all coatings], in tons.
- 2. The permittee shall collect and record the following information each month for emissions units K001, K003, and K004 combined:

- a. the name and identification of each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the VOC content, in pounds/gallon, of each cleanup material employed;
 - d. the VOC emissions from each cleanup material employed [b x c], in tons;
 - e. the total VOC emissions from all cleanup materials [the sum of d for all cleanup materials employed], in tons; and
 - f. the total VOC emissions from all coatings and cleanup materials employed [the sum of A.III.1.e and A.III.2.e], in tons.
3. The permittee shall collect and record each year the total VOC emissions, in tons, for emissions units K001, K003, and K004 combined. The total VOC emissions shall be the summation of the monthly VOC emissions from section A.III.2.f for the calendar year.
4. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.

[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 that the coating line employed 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 annual reports which summarize the actual annual VOC emissions for emissions units K001, K003, and K004 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 A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
coating usage shall not exceed 10 gallons/day

Applicable Compliance Method:

The permittee shall demonstrate compliance based upon the record keeping requirements 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 and/or cleanup material shall be based on the coating/cleanup material as employed (as applied), including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coatings/cleanup materials by formulation data supplied by the manufacturer of the coating/cleanup material or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of coatings/cleanup materials by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all volatile organic compounds that are in a coating/cleanup material expressed as pounds of VOC per gallon.

[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: 0322000048 Issuance type: Title V Final Permit

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

Facility ID: 0322000048 Emissions Unit ID: K004 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
maintenance coating operation - miscellaneous metal parts	OAC rule 3745-31-05 (PTI No. 03-9447)	from the application of coatings, 40.8 pounds VOC/day and 7.45 tons VOC/year
		from the application of cleanup materials, 17.8 pounds VOC/month and 0.11 ton VOC/year

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. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating, as applied, in pounds per gallon;
 - d. the VOC emissions from the application of each coating, in pounds; and
 - e. the total VOC emissions from all coatings employed, in pounds.
2. The permittee shall collect and record the following information each month for the coating line:
 - a. the name and identification number of each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the VOC content, in pounds/gallon, of each cleanup material employed;
 - d. the VOC emissions from the application of each cleanup material employed [b x c], in pounds; and
 - e. the total VOC emissions from all cleanup materials employed [the sum of d for all cleanup materials], in pounds.
3. The permit to install for this emissions unit (K004) was evaluated based on the actual materials (coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: xylene*

TLV (ug/m3): 435,000

Maximum Hourly Emission Rate (lbs/hr): 8.9

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 629.6

MAGLC (ug/m3): 10,357.1

*dispersion modeling was conducted for the worst-case scenario, i.e., assuming that all of the emissions were of the pollutant with the lowest TLV.

4. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
 - a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
 - c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.
5. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
 - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

[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 all exceedances of the daily VOC limitation of 40.8 lbs (from coating usage) and the monthly VOC limitation of 17.8 lbs (from cleanup material usage) for 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.

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:

from coating usage - 40.8 pounds VOC/day

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements established in section B.III.1 of the terms and conditions of this permit.
 - b. Emission Limitation:

from cleanup material usage - 17.8 pounds VOC/month

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements established in section B.III.2 of the terms and conditions of this permit.
 - c. Emission Limitation:

from coating usage - 7.45 TPY VOC

Applicable Compliance Method:

The permittee shall demonstrate compliance based upon the record keeping requirements in section B.III.1 and shall be the summation of the daily VOC emissions for the calendar year.
 - d. Emission Limitation:

from cleanup material usage - 0.11 TPY VOC

Applicable Compliance Method:

The permittee shall demonstrate compliance based upon the record keeping requirements in section B.III.1 and shall be the summation of the 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: 0322000048 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322000048 Emissions Unit ID: P001 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
1 TPH shotblast machine #1, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	3.1 pounds particulate emissions (PE)/hour Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control the PE from this emissions unit (this baghouse controls PE from emissions units P001 and P002).

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

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

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II. **Operational Restrictions**

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

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

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

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

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

[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 pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit.

[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:

3.1 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this limitation by multiplying the maximum process weight rate (1 ton/hour) by the appropriate emission factor from AP-42, Table 12.10-7 (15.5 pounds PE/ton), and then multiplying by a control factor of (1-0.99)*.

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(10).

* The control efficiency of the baghouse is 99%.
 - b. Emission Limitation:

20 percent opacity, as a six-minute average, except as otherwise 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: 0322000048 Issuance type: Title V Final Permit

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

Facility ID: 0322000048 Emissions Unit ID: P001 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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: 0322000048 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322000048 Emissions Unit ID: P002 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
1 TPH shotblast machine #2, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	3.1 pounds particulate emissions (PE)/hour Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control the PE from this emissions unit (this baghouse controls PE from emissions units P001 and P002).

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

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

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II. **Operational Restrictions**

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

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

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

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

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

[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 pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit.

[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:

3.1 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this limitation by multiplying the maximum process weight rate (1 ton/hour) by the appropriate emission factor from AP-42, Table 12.10-7 (15.5 pounds PE/ton), and then multiplying by a control factor of (1-0.99)*.

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(10).

* The control efficiency of the baghouse is 99%.
 - b. Emission Limitation:

20 percent opacity, as a six-minute average, except as otherwise 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: 0322000048 Issuance type: Title V Final Permit

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

Facility ID: 0322000048 Emissions Unit ID: P002 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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