

Facility ID: 0857701939 Issuance type: Title V Preliminary Proposed Permit

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

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

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

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:
 - B001: 7.9 MMBTU/hr Gas Fired Boiler
 - N001: Burn-Off Oven
 - P001: Pangborn Blaster
 - P002: Wheelborater Blaster
 - P003: Hand Blaster
 - Z001: Parking Lot
 - Z002: Resin Tank
 - Z003: Air Make-up Unit

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitation and/or control requirements contained within a Permit to Install for the emissions unit.

- [Go to Part III for Emissions Unit K001](#)
- [Go to Part III for Emissions Unit K002](#)
- [Go to Part III for Emissions Unit K003](#)
- [Go to Part III for Emissions Unit K004](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0857701939 Emissions Unit ID: K001 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #1 with bake oven; misc. metal parts coating line.	OAC rule 3745-21-09(U)(1)(c)	3.5 pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents.

2. Additional Terms and Conditions

- a. The VOC content of each coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste and flow control*) on a daily basis also shall meet 3.5 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

(a) (*The flow control is a low solvent defoamer used for bath control.)

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the electrocoating dip tank:
 - a. The name and identification number of each material added to the electrocoating dip tank, as applied.
 - b. The VOC content, excluding water and exempt solvents, of each material added to the electrocoating dip tank, as applied.
 - c. The number of gallons of each material added to the electrocoating dip tank, excluding water and exempt solvents, as applied.
 - d. The daily, volume-weighted average VOC content of all the materials (i.e., resin, paste, and flow control) added to the dip tank, excluding water and exempt solvents, by summing the products of (b) x (c) for all individual materials and dividing by the daily total number of gallons of all the materials.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of a noncomplying coating materials. 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.

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V. **Testing Requirements**

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

- a. Emission Limitation-
3.5 lbs/gallon VOC, excluding water and exempt solvents

Applicable Compliance Method

If required, USEPA Method 24 shall be used to determine the VOC contents of the coating in the electrocoating dip tank. If, pursuant to Section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24. On a day-to-day basis, compliance with this VOC content limitation shall be demonstrated by ensuring that the VOC content of the combination of all coating materials added to the dip tank meets 3.5 pounds VOC/ gallon of materials, excluding water and exempt solvents, as a daily volume-weighted average.

- b. Emission Limitation-
3.5 lbs of VOC/gallon of coating materials, as a daily volume-weighted average of all the materials added to the dip tank, excluding water and exempt solvents

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in Section A.III and by calculating the volume-weighted average of all the materials added to the dip tank on a daily basis using the following equation:

$$\frac{[(\# \text{ gal of paste})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total } \# \text{ of gallons of all materials for that day}} = \text{daily volume-weighted average.}$$

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0857701939 Emissions Unit ID: K001 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #1 with bake oven; misc. metal parts coating line.	OAC rule 3745-31-05 PTI#08-3677	1.25 lbs VOC/gal coating, as a monthly volume-weighted average, excluding water and exempt solvents 927 lbs/month VOC 5.56 TPY VOC

2. Additional Terms and Conditions

- a. The VOC content of the coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 1.25 lbs VOC/gallon of coating, excluding water and exempt solvents, as a monthly volume-weighted average. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste, and flow control*) on a monthly basis also shall meet 1.25 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.
1. (*The flow control is a low solvent defoamer used for bath control.)

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II. Operational Restrictions

1. The permittee shall not exceed the following coating usage amounts in this emissions unit:
 - Resin 64,000 gallons per year
 - Paste 8,000 gallons per year
 - Flow Control 3,820 gallons per year

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the electrocoating dip tank:
 - a. the name and identification number for each paste, resin, and flow control added to the tank;
 - b. the number of gallons of each paste, resin, and flow control added to the tank;
 - c. the VOC content of each paste, resin, and flow control, in pounds per gallon, excluding water and exempt solvents.
 - d. the monthly volume-weighted average VOC content, excluding water and exempt solvents, in pounds per gallon, for the combined materials; and,
 - e. the total organic compound emission rate, in pounds per month, i.e., the sum of the products of (b) X (c) for each of the resins, pastes, and flow controls.

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IV. Reporting Requirements

1. In accordance with paragraph B.2. of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which include the following information for this emissions unit:
 - a. An identification of each month during which the monthly total VOC emission rate exceeds 927 lbs/month, and the actual VOC emission rate for that month.
 - b. An identification of each month during which the monthly volume-weighted average VOC content for the combined materials exceeds 1.25 lbs/gallon of coating, excluding water and exempt solvents, and the actual volume-weighted average VOC content for each such month.
2. The permittee shall submit, in writing, an annual report to the Director (DO or LAA) which specifies the total organic compound emissions, in tons, and the annual coating usage, in gallons, for resin, paste, and flow control. This report shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
927 lb/month VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit.
 - b. Emission Limitation-
5.56 TPY VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit and

shall be the sum of the twelve monthly VOC emission rates.

- c. Emission Limitation-
1.25 lbs VOC/gallon coating, as a monthly volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the recordkeeping in specified in Section B.III.1 and by calculating the volume-weighted average of all the materials added to the dip tank on a monthly basis using the following equation:

$$\frac{[(\# \text{ gal of pigment})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total \# of gallons of all materials for that month}} = \text{monthly volume-weighted average.}$$

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VI. **Miscellaneous Requirements**

- 1. The permittee is hereby notified that this permit and all agency records concerning the permitted emissions units are subject to public disclosure in accordance with OAC 3745-49-03.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0857701939 Emissions Unit ID: K002 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #2 with bake oven; misc. metal parts coating line.	OAC rule 3745-21-09(U)(1)(c)	3.5 pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents.

2. **Additional Terms and Conditions**

- a. The VOC content of each coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste and flow control*) on a daily basis also shall meet 3.5 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

(a) (*The flow control is a low solvent defoamer used for bath control.)

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II. **Operational Restrictions**

- 1. None

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

- 1. The permittee shall collect and record the following information each day for the electrocoating dip tank:
 - a. The name and identification number of each material added to the electrocoating dip tank, as applied.

- b. The VOC content, excluding water and exempt solvents, of each material added to the electrocoating dip tank, as applied.
- c. The number of gallons of each material added to the electrocoating dip tank, excluding water and exempt solvents, as applied.
- d. The daily, volume-weighted average VOC content of all the materials (i.e., resin, paste, and flow control) added to the dip tank, excluding water and exempt solvents, by summing the products of (b) x (c) for all individual materials and dividing by the daily total number of gallons of all the materials.

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IV. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of a noncomplying coating materials. 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.

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V. Testing Requirements

- 1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
3.5 lbs/gallon VOC, excluding water and exempt solvents

Applicable Compliance Method
If required, USEPA Method 24 shall be used to determine the VOC contents of the coating in the electrocoating dip tank. If, pursuant to Section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24. On a day-to-day basis, compliance with this VOC content limitation shall be demonstrated by ensuring that the VOC content of the combination of all coating materials added to the dip tank meets 3.5 pounds VOC/ gallon of materials, excluding water and exempt solvents, as a daily volume-weighted average.
 - b. Emission Limitation-
3.5 lbs of VOC/gallon of coating materials, as a daily volume-weighted average of all the materials added to the dip tank, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the record keeping specified in Section A.III and by calculating the volume-weighted average of all the materials added to the dip tank on a daily basis using the following equation:

$$\frac{[(\# \text{ gal of paste})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total } \# \text{ of gallons of all materials for that day}} = \text{daily volume-weighted average.}$$

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0857701939 Emissions Unit ID: K002 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #1 with bake oven; misc. metal parts coating line.	OAC rule 3745-31-05 PTI #08-3677	1.25 lbs VOC/gal coating, as a monthly volume-weighted average, excluding water and exempt solvents 927 lbs/month VOC 5.56 TPY VOC

2. Additional Terms and Conditions

- a. The VOC content of the coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 1.25 lbs VOC/gallon of coating, excluding water and exempt solvents, as a monthly volume-weighted average. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste, and flow control*) on a monthly basis also shall meet 1.25 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

1. (*The flow control is a low solvent defoamer used for bath control.)

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II. Operational Restrictions

1. The permittee shall not exceed the following coating usage amounts in this emissions unit:

Resin 64,000 gallons per year
 Paste 8,000 gallons per year
 Flow Control 3,820 gallons per year

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the electrocoating dip tank:
 - a. the name and identification number for each paste, resin, and flow control added to the tank;
 - b. the number of gallons of each paste, resin, and flow control added to the tank;
 - c. the VOC content of each paste, resin, and flow control, in pounds per gallon, excluding water and exempt solvents.
 - d. the monthly volume-weighted average VOC content, excluding water and exempt solvents, in pounds per gallon, for the combined materials; and,
 - e. the total organic compound emission rate, in pounds per month, i.e., the sum of the products of (b) X (c) for each of the resins, pastes, and flow controls.

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IV. Reporting Requirements

1. In accordance with paragraph B.2. of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which include the following information for this emissions unit:
 - a. An identification of each month during which the monthly total VOC emission rate exceeds 927 lbs/month, and the actual VOC emission rate for that month.
 - b. An identification of each month during which the monthly volume-weighted average VOC content for the combined materials exceeds 1.25 lbs/gallon of coating, excluding water and exempt solvents, and the actual volume-weighted average VOC content for each such month.
2. The permittee shall submit, in writing, an annual report to the Director (DO or LAA) which specifies the total organic compound emissions, in tons, and the annual coating usage, in gallons, for resin, paste, and flow control. This report shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
927 lb/month VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit.
 - b. Emission Limitation-
5.56 TPY VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit and shall be the sum of the twelve monthly VOC emission rates.
 - c. Emission Limitation-
1.25 lbs VOC/gallon coating, as a monthly volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the recordkeeping in specified in Section B.III.1 and by calculating the volume-weighted average of all the materials added to the dip tank on a monthly basis using the following equation:

$$\frac{[(\# \text{ gal of pigment})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total } \# \text{ of gallons of all materials for that month}} = \text{monthly volume-weighted average.}$$

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VI. **Miscellaneous Requirements**

1. The permittee is hereby notified that this permit and all agency records concerning the permitted emissions units are subject to public disclosure in accordance with OAC 3745-49-03.

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Facility ID: 0857701939 Emissions Unit ID: K003 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #3 with bake oven; misc. metal parts coating line.	OAC rule 3745-21-09(U)(1)(c)	3.5 pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents.

2. **Additional Terms and Conditions**

- a. The VOC content of each coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste and flow control*) on a daily basis also shall meet 3.5 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

(a) (*The flow control is a low solvent defoamer used for bath control.)

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II. **Operational Restrictions**

1. None

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

1. The permittee shall collect and record the following information each day for the electrocoating dip tank:
 - a. The name and identification number of each material added to the electrocoating dip tank, as applied.
 - b. The VOC content, excluding water and exempt solvents, of each material added to the electrocoating dip tank, as applied.
 - c. The number of gallons of each material added to the electrocoating dip tank, excluding water and exempt solvents, as applied.
 - d. The daily, volume-weighted average VOC content of all the materials (i.e., resin, paste, and flow control) added to the dip tank, excluding water and exempt solvents, by summing the products of (b) x (c) for all individual materials and dividing by the daily total number of gallons of all the materials.

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IV. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of a noncomplying coating materials. 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.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
3.5 lbs/gallon VOC, excluding water and exempt solvents

Applicable Compliance Method
If required, USEPA Method 24 shall be used to determine the VOC contents of the coating in the electrocoating dip tank. If, pursuant to Section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24. On a day-to-day basis, compliance with this VOC content limitation shall be demonstrated by ensuring that the VOC content of the combination of all coating materials added to the dip tank meets 3.5 pounds VOC/ gallon of materials, excluding water and exempt solvents, as a daily volume-weighted average.
 - b. Emission Limitation-
3.5 lbs of VOC/gallon of coating materials, as a daily volume-weighted average of all the materials added to the dip tank, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the record keeping specified in Section A.III and by calculating the volume-weighted average of all the materials added to the dip tank on a daily basis using the following equation:

$$\frac{[(\# \text{ gal of paste})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total \# of gallons of all materials for that day}} = \text{daily volume-weighted average.}$$

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0857701939 Emissions Unit ID: K003 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #1 with bake oven; misc. metal parts coating line.	OAC rule 3745-31-05 PTI #08-3677	2.60 lbs VOC/gal coating, as a monthly volume-weighted average, excluding water and exempt solvents 3970.25 lbs/month VOC 23.82 TPY VOC

2. Additional Terms and Conditions

- a. The VOC content of the coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 2.60 lbs VOC/gallon of coating, excluding water and exempt solvents, as a monthly volume-weighted average. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste, and flow control*) on a monthly basis also shall meet 2.60 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

1. (*The flow control is a low solvent defoamer used for bath control.)

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II. Operational Restrictions

1. The permittee shall not exceed the following coating usage amounts in this emissions unit:

Resin 42,000 gallons per year
Paste 8,000 gallons per year
Flow Control 3,820 gallons per year

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the electrocoating dip tank:
 - a. the name and identification number for each paste, resin, and flow control added to the tank;
 - b. the number of gallons of each paste, resin, and flow control added to the tank;
 - c. the VOC content of each paste, resin, and flow control, in pounds per gallon, excluding water and exempt solvents.
 - d. the monthly volume-weighted average VOC content, excluding water and exempt solvents, in pounds per gallon, for the combined materials; and,
 - e. the total organic compound emission rate, in pounds per month, i.e., the sum of the products of (b) X (c) for each of the resins, pastes, and flow controls.

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IV. Reporting Requirements

1. In accordance with paragraph B.2. of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which include the following information for this emissions unit:

- a. An identification of each month during which the monthly total VOC emission rate exceeds 3970.25 lbs/month, and the actual VOC emission rate for that month.
- b. An identification of each month during which the monthly volume-weighted average VOC content for the combined materials exceeds 2.60 lbs/gallon of coating, excluding water and exempt solvents, and the actual volume-weighted average VOC content for each such month.
- 2. The permittee shall submit, in writing, an annual report to the Director (DO or LAA) which specifies the total organic compound emissions, in tons, and the annual coating usage, in gallons, for resin, paste, and flow control. This report shall be submitted by January 31 of each year.

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V. **Testing Requirements**

- 1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
3970.25 lb/month VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit.
 - b. Emission Limitation-
23.82 TPY VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit and shall be the sum of the twelve monthly VOC emission rates.
 - c. Emission Limitation-
2.60 lbs VOC/gallon coating, as a monthly volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the recordkeeping in specified in Section B.III.1 and by calculating the volume-weighted average of all the materials added to the dip tank on a monthly basis using the following equation:

$$\frac{[(\# \text{ gal of pigment})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total } \# \text{ of gallons of all materials for that month}} = \text{monthly volume-weighted average.}$$

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VI. **Miscellaneous Requirements**

- 1. The permittee is hereby notified that this permit and all agency records concerning the permitted emissions units are subject to public disclosure in accordance with OAC 3745-49-03.

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Facility ID: 0857701939 Issuance type: Title V Preliminary Proposed Permit

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Facility ID: 0857701939 Emissions Unit ID: K004 Issuance type: Title V Preliminary Proposed 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>
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Electrocoating dip tank #4 with bake oven; OAC rule 3745-21-09(U)(1)(c) 3.5 pounds of volatile organic compounds (VOC) per misc. metal parts coating line. gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents.

2. **Additional Terms and Conditions**

- a. The VOC content of each coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste and flow control*) on a daily basis also shall meet 3.5 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

- (a) (*The flow control is a low solvent defoamer used for bath control.)

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II. **Operational Restrictions**

1. None

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

1. The permittee shall collect and record the following information each day for the electrocoating dip tank:
- The name and identification number of each material added to the electrocoating dip tank, as applied.
 - The VOC content, excluding water and exempt solvents, of each material added to the electrocoating dip tank, as applied.
 - The number of gallons of each material added to the electrocoating dip tank, excluding water and exempt solvents, as applied.
 - The daily, volume-weighted average VOC content of all the materials (i.e., resin, paste, and flow control) added to the dip tank, excluding water and exempt solvents, by summing the products of (b) x (c) for all individual materials and dividing by the daily total number of gallons of all the materials.

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IV. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of a noncomplying coating materials. 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.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
- Emission Limitation-
3.5 lbs/gallon VOC, excluding water and exempt solvents

Applicable Compliance Method
If required, USEPA Method 24 shall be used to determine the VOC contents of the coating in the electrocoating dip tank. If, pursuant to Section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24. On a day-to-day basis, compliance with this VOC content limitation shall be demonstrated by ensuring that the VOC content of the combination of all coating materials added to the dip tank meets 3.5 pounds VOC/ gallon of materials, excluding water and exempt solvents, as a daily volume-weighted average.
 - Emission Limitation-
3.5 lbs of VOC/gallon of coating materials, as a daily volume-weighted average of all the materials added to the dip tank, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the record keeping specified in Section A.III and by calculating the volume-weighted average of all the materials added to the dip tank on a daily basis using the following equation:

$$[(\# \text{ gal of paste})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})] /$$

total # of gallons of all materials for that day = daily volume-weighted average.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0857701939 Emissions Unit ID: K004 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #1 with bake oven; misc. metal parts coating line.	OAC rule 3745-31-05 PTI# 08-3677	1.25 lbs VOC/gal coating, as a monthly volume-weighted average, excluding water and exempt solvents 927 lbs/month VOC 5.56 TPY VOC

2. **Additional Terms and Conditions**

- a. The VOC content of the coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 1.25 lbs VOC/gallon of coating, excluding water and exempt solvents, as a monthly volume-weighted average. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste, and flow control*) on a monthly basis also shall meet 1.25 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.
1. (*The flow control is a low solvent defoamer used for bath control.)

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II. **Operational Restrictions**

1. The permittee shall not exceed the following coating usage amounts in this emissions unit:
 - Resin 64,000 gallons per year
 - Paste 8,000 gallons per year
 - Flow Control 3,820 gallons per year

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

1. The permittee shall collect and record the following information each month for the electrocoating dip tank:
 - a. the name and identification number for each paste, resin, and flow control added to the tank;
 - b. the number of gallons of each paste, resin, and flow control added to the tank;
 - c. the VOC content of each paste, resin, and flow control, in pounds per gallon, excluding water and exempt solvents.

- d. the monthly volume-weighted average VOC content, excluding water and exempt solvents, in pounds per gallon, for the combined materials; and,
- e. the total organic compound emission rate, in pounds per month, i.e., the sum of the products of (b) X (c) for each of the resins, pastes, and flow controls.

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IV. Reporting Requirements

1. In accordance with paragraph B.2. of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which include the following information for this emissions unit:
 - a. An identification of each month during which the monthly total VOC emission rate exceeds 927 lbs/month, and the actual VOC emission rate for that month.
 - b. An identification of each month during which the monthly volume-weighted average VOC content for the combined materials exceeds 1.25 lbs/gallon of coating, excluding water and exempt solvents, and the actual volume-weighted average VOC content for each such month.
2. The permittee shall submit, in writing, an annual report to the Director (DO or LAA) which specifies the total organic compound emissions, in tons, and the annual coating usage, in gallons, for resin, paste, and flow control. This report shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
927 lb/month VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit.
 - b. Emission Limitation-
5.56 TPY VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit and shall be the sum of the twelve monthly VOC emission rates.
 - c. Emission Limitation-
1.25 lbs VOC/gallon coating, as a monthly volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the recordkeeping in specified in Section B.III.1 and by calculating the volume-weighted average of all the materials added to the dip tank on a monthly basis using the following equation:

$$\frac{[(\# \text{ gal of pigment})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total \# of gallons of all materials for that month}} = \text{monthly volume-weighted average.}$$

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VI. Miscellaneous Requirements

1. The permittee is hereby notified that this permit and all agency records concerning the permitted emissions units are subject to public disclosure in accordance with OAC 3745-49-03.

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Facility ID: 0857701939 Emissions Unit ID: K005 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #5 with bake oven; misc. metal parts coating line.	OAC rule 3745-21-09(U)(1)(c)	3.5 pounds of volatile organic compounds (VOC) per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents.

2. **Additional Terms and Conditions**

- a. The VOC content of each coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste and flow control*) on a daily basis also shall meet 3.5 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

- (a) (*The flow control is a low solvent defoamer used for bath control.)

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II. **Operational Restrictions**

1. None

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

1. The permittee shall collect and record the following information each day for the electrocoating dip tank:
 - a. The name and identification number of each material added to the electrocoating dip tank, as applied.
 - b. The VOC content, excluding water and exempt solvents, of each material added to the electrocoating dip tank, as applied.
 - c. The number of gallons of each material added to the electrocoating dip tank, excluding water and exempt solvents, as applied.
 - d. The daily, volume-weighted average VOC content of all the materials (i.e., resin, paste, and flow control) added to the dip tank, excluding water and exempt solvents, by summing the products of (b) x (c) for all individual materials and dividing by the daily total number of gallons of all the materials.

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IV. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing the use of a noncomplying coating materials. 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.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
3.5 lbs/gallon VOC, excluding water and exempt solvents

Applicable Compliance Method

If required, USEPA Method 24 shall be used to determine the VOC contents of the coating in the electrocoating dip tank. If, pursuant to Section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24. On a day-to-day basis, compliance with this VOC content limitation shall be

demonstrated by ensuring that the VOC content of the combination of all coating materials added to the dip tank meets 3.5 pounds VOC/ gallon of materials, excluding water and exempt solvents, as a daily volume-weighted average.

- b. Emission Limitation-
3.5 lbs of VOC/gallon of coating materials, as a daily volume-weighted average of all the materials added to the dip tank, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the record keeping specified in Section A.III and by calculating the volume-weighted average of all the materials added to the dip tank on a daily basis using the following equation:

$$\frac{[(\# \text{ gal of paste})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total } \# \text{ of gallons of all materials for that day}} = \text{daily volume-weighted average.}$$

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0857701939 Emissions Unit ID: K005 Issuance type: Title V Preliminary Proposed 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>
Electrocoating dip tank #1 with bake oven; misc. metal parts coating line.	OAC rule 3745-31-05 PTI #08-3677	1.25 lbs VOC/gal coating, as a monthly volume-weighted average, excluding water and exempt solvents 927 lbs/month VOC 5.56 TPY VOC

2. **Additional Terms and Conditions**

- a. The VOC content of the coating employed in the electrocoating dip tank of this emissions unit shall comply with the VOC content limitation of 1.25 lbs VOC/gallon of coating, excluding water and exempt solvents, as a monthly volume-weighted average. To ensure compliance with this VOC content limitation, the combination of materials added to the dip tank (i.e., resin, paste, and flow control*) on a monthly basis also shall meet 1.25 pounds of VOC per gallon of materials as a volume-weighted average, excluding water and exempt solvents.

- 1. (*The flow control is a low solvent defoamer used for bath control.)

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II. **Operational Restrictions**

- 1. The permittee shall not exceed the following coating usage amounts in this emissions unit:
Resin 64,000 gallons per year
Paste 8,000 gallons per year
Flow Control 3,820 gallons per year

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the electrocoating dip tank:
 - a. the name and identification number for each paste, resin, and flow control added to the tank;
 - b. the number of gallons of each paste, resin, and flow control added to the tank;
 - c. the VOC content of each paste, resin, and flow control, in pounds per gallon, excluding water and exempt solvents.
 - d. the monthly volume-weighted average VOC content, excluding water and exempt solvents, in pounds per gallon, for the combined materials; and,
 - e. the total organic compound emission rate, in pounds per month, i.e., the sum of the products of (b) X (c) for each of the resins, pastes, and flow controls.

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IV. Reporting Requirements

1. In accordance with paragraph B.2. of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which include the following information for this emissions unit:
 - a. An identification of each month during which the monthly total VOC emission rate exceeds 927 lbs/month, and the actual VOC emission rate for that month.
 - b. An identification of each month during which the monthly volume-weighted average VOC content for the combined materials exceeds 1.25 lbs/gallon of coating, excluding water and exempt solvents, and the actual volume-weighted average VOC content for each such month.
2. The permittee shall submit, in writing, an annual report to the Director (DO or LAA) which specifies the total organic compound emissions, in tons, and the annual coating usage, in gallons, for resin, paste, and flow control. This report shall be submitted by January 31 of each year.

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

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
927 lb/month VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit.
 - b. Emission Limitation-
5.56 TPY VOC

Applicable Compliance Method-
Compliance shall be based upon the record keeping as required in Section B.III.1. of this permit and shall be the sum of the twelve monthly VOC emission rates.
 - c. Emission Limitation-
1.25 lbs VOC/gallon coating, as a monthly volume-weighted average, excluding water and exempt solvents

Applicable Compliance Method-
Compliance shall be based upon the recordkeeping in specified in Section B.III.1 and by calculating the volume-weighted average of all the materials added to the dip tank on a monthly basis using the following equation:

$$\frac{[(\# \text{ gal of pigment})(\text{VOC content}) + (\# \text{ gal of resin})(\text{VOC content}) + (\# \text{ gal of flow control})(\text{VOC content})]}{\text{total \# of gallons of all materials for that month}} = \text{monthly volume-weighted average.}$$

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VI. Miscellaneous Requirements

1. The permittee is hereby notified that this permit and all agency records concerning the permitted emissions units are subject to public disclosure in accordance with OAC 3745-49-03.