

Facility ID: 1483090101 Issuance type: Title V Draft Permit

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

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

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

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

- 40 CFR, Part 68 is an applicable requirement for this facility. The permittee shall submit a Risk Management Plan, pursuant to 40 CFR, Part 68, to the appropriate designated agency and comply with all appropriate subparts by no later than June 20, 1999.

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b State Only Enforceable Section

- The following insignificant emissions unit(s) are located at this facility:

L001 Torrid A&B Rinse Tank
 P001 C-Line Electric Batch Oven
 P002 Mask Washer # 1
 P004 C-Line Bake Oven
 P005 G-Line Dry Off Oven
 P006 Torrid Line & 6-Stage Power Washer
 R033 Paint Test Booth
 Z001-Z035 Mold Presses No.'s 2-8,10-11,13,19-30,32-44
 Z036 Vinal Wrap Vacuum Forming
 Z037 2000 Gallon C-Line Emergency Spill Tank
 Z038 5000 Gallon Torrid Emergency Spill Tank
 Z039 Torrid Line Parts Cleaning
 Z040 C-Line & G-Line Car Parts Cleaning
 Z041 High Speed Mixing Station-Production
 Z042 Water Treatment Process
 Z043 Slow Speed Agitation A-Line
 Z044 Slow Speed Agitation B-Line
 Z045 Solvent In Process Station
 Z046 Recirculating Paint and Solvent Station
 Z047 High Speed Drum Agitation-Production
 Z048 High Speed Mixing Station-Testing
 Z049 Paint and Solvent Storage
 Z050 Mezzanine Paint Storage
 Z051 Paint and Solvent Storage
 Z052 Slow Speed Agitation
 Z053 Facility Wide IPA Wipe Stations
 Z054-Z060 Resin Silo's No.'s 1-7
 Z061 High Speed Agitation Air Dry Line
 Z062 High Speed Agitation Gas Line
 Z064 Torrid Line QC Electric Bake Oven
 Z065 Sludge Room QC Electric Bake Oven
 Z066 Detrackifier Storage Tank No. N85087
 Z068 G1708 Cleaner Tank No. C09247
 Z069 Torrid Spray Washer Holding Tank
 Z070 Torrid Spray Washer Process Tank
 Z071 Torrid Spray Washer Acid Tank
 Z072 Torrid Spray Washer Caustic Tank
 Z073 Grinding Machines No.'s 00-29
 Z105-Z113 Pneumatic Conveying Lines No.'s 1-8
 Z114 Diesel Dispensing Facility
 Z116-Z120 Cold Cleaners No.'s 1-5
 Z121 Solvent In-Process Station
 Z122 Two Component Mixing

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

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1483090101 Emissions Unit ID: R004 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 1.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R004 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. 0.551 lb/hr of particulate emissions, based on Table I. See A.I.2.
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hr, nor 40 lbs organic compounds (OC)/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation :
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;

e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and

f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the OC emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.1.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R004 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 1.	OAC rule 3745-31-05 (PTI 14-1242)	The OC content of each coating employed in this emissions unit shall not exceed 6.35 pounds per gallon, excluding water and exempt solvents. Annual OC emissions shall not exceed 13.38 TPY.

2. Additional Terms and Conditions

1. None

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II. Operational Restrictions

1. Annual usage of all coatings shall not exceed 4025.5 gallons.
2. Annual usage of all cleanup materials shall not exceed 150 gallons.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, excluding water and exempt solvents, in pounds per gallon;
 - d. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - e. the OC emission rate (the summation of b X d for all coatings and for all cleanup materials employed);
 - f. the calendar-year-to-date OC emission rate (the summation of line d for all months during the calendar year); and
 - g. the calendar-year-to-date coating and cleanup material usage rates, in gallons.

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IV. Reporting Requirements

1. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall also submit deviation (excursion) reports of any monthly record showing an exceedance of the OC content limitation, usage limitations, or tons per year emission limitation.

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V. Testing Requirements

1. Compliance with the OC content limitation and the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in B.III.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and

cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1483090101 Emissions Unit ID: R008 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 3.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R008 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.

2. Additional Terms and Conditions

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hour, nor 40 lbs organic compounds (OC)/day.

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II. **Operational Restrictions**

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

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

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.1.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R008 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 3.	OAC rule 3745-31-05 (PTI 14-1242)	The OC content of each coating employed in this emissions unit shall not exceed 5.20 pounds per gallon, excluding water and exempt solvents. Annual OC emissions shall not exceed 1.60 TPY.

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. Annual usage of all coatings shall not exceed 411 gallons.
2. Annual usage of all cleanup materials shall not exceed 150 gallons.

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

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, excluding water and exempt solvents, in pounds per gallon;
 - d. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - e. the OC emission rate (the summation of b X d for all coatings and for all cleanup materials employed);
 - f. the calendar-year-to-date OC emission rate (the summation of line d for all months during the calendar year); and
 - g. the calendar-year-to-date coating and cleanup material usage rates, in gallons.

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IV. **Reporting Requirements**

1. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall also submit deviation (excursion) reports of any monthly record showing any exceedences of the OC content limitation, usage limitations, or tons per year emission limitation.

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V. **Testing Requirements**

1. Compliance with the OC content limitation and the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in B.III.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R012 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 9.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R012 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. 0.551lb/hr of particulate emissions, based on Table I. See A.I.2.
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hour, nor 40 lbs organic compounds (OC)/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day when photochemically reactive materials are employed in this emissions unit:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. **Testing Requirements**

1. Compliance with the emission limitations listed in A.I.2 shall be demonstrated by the record keeping requirements listed in A.III.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

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

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R012 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 9.	OAC rule 3745-31-05 (PTI 14-1242)	The OC content of each coating employed in this emissions unit shall not exceed 5.20 pounds per gallon, excluding water and exempt solvents. Annual OC emissions shall not exceed 1.60 TPY.

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. Annual usage of all coatings shall not exceed 411 gallons.
2. Annual usage of all cleanup materials shall not exceed 150 gallons.

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

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, excluding water and exempt solvents, in pounds per gallon;
 - d. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - e. the OC emission rate (the summation of b X d for all coatings and for all cleanup materials employed);
 - f. the calendar-year-to-date OC emission rate (the summation of line d for all months during the calendar year); and
 - g. the calendar-year-to-date coating and cleanup material usage rates, in gallons.

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IV. **Reporting Requirements**

1. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall also submit deviation (excursion) reports of any monthly record showing any exceedences of the OC content limitation, usage limitations, or tons per year emission limitation.

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V. **Testing Requirements**

1. Compliance with the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in B.III.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R013 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 10.	OAC rule 3745-31-05 (PTI 14-3148)	See A.I.2.a.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R013 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.
	OAC rule 3745-21-07(G)	See A.I.2.b.

2. Additional Terms and Conditions

- a. The organic compound (OC) emissions from this emissions unit shall not exceed 8.23 tons per year, including cleanup, based upon a rolling, 12-month summation.
- b. On days when photochemically reactive materials (coatings or cleanup materials) are employed, the OC emissions from this emissions unit shall not exceed 8 lbs OC/hour, nor 40 lbs OC/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds of OC per gallon;
 - d. the OC emission rate (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the rolling 12-month summation of the OC emissions (the summation of line d for the previous twelve calendar months).
2. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule

3745-21-01(C)(5).]

3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which document any exceedances of the emission limitation of 8.23 tons per year, based upon a rolling, 12-month summation.
2. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
4. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the OC emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R013 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 10.	OAC rule 3745-31-05 (PTI 14-3148)	See B.I.2.

2. Additional Terms and Conditions

- a. The emissions of OC from the coatings and cleanup materials employed in this emissions unit shall not exceed 96.96 lbs per day.
- b. The OC content of the coatings used in this emissions unit shall not exceed 5.2 lbs per gallon of coating, as applied (based upon a daily volume-weighted average).
- c. The OC content of each cleanup material used in this emissions unit shall not exceed 6.71 lbs per gallon.

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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 on a daily basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the OC emissions, in pounds (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the daily volume-weighted average OC content of all coatings employed in this emissions unit, in pounds per gallon (the summation of the OC content, in pounds per gallon, multiplied by the usage, in gallons, for all coatings employed, divided by the total gallons of all coatings employed).

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports of any daily record showing an exceedence of the OC content limitations and/or pounds per day emission limitation.

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V. Testing Requirements

1. Compliance with the daily OC emission limitation and OC content limitations shall be demonstrated by the record keeping requirements in B.III.1.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R014 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 11.	OAC rule 3745-31-05 (PTI 14-3148)	See A.I.2.a.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R014 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.
	OAC rule 3745-21-07(G)	See A.I.2.b.

2. Additional Terms and Conditions

- a. The organic compound (OC) emissions from this emissions unit shall not exceed 8.23 tons per year, including cleanup, based upon a rolling, 12-month summation.
- b. On days when photochemically reactive materials (coatings and cleanup materials) are employed, the OC emissions from this emissions unit shall not exceed 8 lbs OC/hour, nor 40 lbs OC/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds of OC per gallon;
 - d. the OC emission rate (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the rolling 12-month summation of the OC emissions (the summation of line d for the previous twelve calendar months).
2. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;

- d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
- e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
- f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

- 3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which document any exceedances of the emission limitation of 8.23 tons per year, based upon a rolling, 12-month summation.
- 2. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
- 3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
- 4. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

- 1. Compliance with the OC emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.
- 2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
- 3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- 4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 1483090101 Emissions Unit ID: R014 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 11.	OAC rule 3745-31-05 (PTI 14-3148)	See B.I.2.

2. Additional Terms and Conditions

- a. The emissions of OC from the coatings and cleanup materials employed in this emissions unit shall not exceed 96.96 lbs per day.
- b. The OC content of the coatings used in this emissions unit shall not exceed 5.2 lbs per gallon of coating, as applied (based upon a daily volume weighted average).
- c. The OC content of each cleanup material used in this emissions unit shall not exceed 6.71 lbs per gallon.

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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 on a daily basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the OC emissions, in pounds (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the daily volume-weighted average OC content of all coatings employed in this emissions unit, in pounds per gallon (the summation of the OC content, in pounds per gallon, multiplied by the usage, in gallons, for all coatings employed, divided by the total gallons of all coatings employed).

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IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports of any daily record showing an exceedence of the OC content limitations and/or pounds per day emission limitation.

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V. **Testing Requirements**

1. Compliance with the daily OC emission limitation and OC content limitations shall be demonstrated by the record keeping requirements in B.III.1.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R015 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 12.	OAC rule 3745-31-05 (PTI 14-3148)	See A.1.2.a.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R015 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B) OAC rule 3745-21-07(G)	0.551 lb/hr of particulate emissions, based on Table I. See A.1.2.b.

2. Additional Terms and Conditions

- a. The organic compound (OC) emissions from this emissions unit shall not exceed 8.23 tons per year, including cleanup, based upon a rolling, 12-month summation.
- b. On days when photochemically reactive materials (coatings and cleanup materials) are employed, the OC emissions from this emissions unit shall not exceed 8 lbs OC/hour, nor 40 lbs of OC/day.

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II. **Operational Restrictions**

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

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

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds of OC per

gallon;

- d. the OC emission rate (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the rolling 12-month summation of the OC emissions (the summation of line d for the previous twelve calendar months).
2. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]
 3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which document any exceedances of the emission limitation of 8.23 tons per year, based upon a rolling, 12-month summation.
2. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
4. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the OC emissions limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

3. Compliance with the visible particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R015 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 12.	OAC rule 3745-31-05 (PTI 14-3148)	See B.I.2.

2. **Additional Terms and Conditions**

- a. The emissions of OC from the coatings and cleanup materials employed in this emissions unit shall not exceed 102.36 lbs per day.
- b. The OC content of the coatings used in this emissions unit shall not exceed 5.5 lbs per gallon of coating, as applied (based upon a daily volume weighted average).
- c. The OC content of each cleanup material used in this source shall not exceed 6.71 lbs per gallon.

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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 on a daily basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the OC emissions, in pounds (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the daily volume-weighted average OC content of all coatings employed in this emissions unit, in pounds

per gallon (the summation of the OC content, in pounds per gallon, multiplied by the usage, in gallons, for all coatings employed, divided by the total gallons of all coatings employed).

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports of any daily record showing an exceedence of the OC content limitation and/or pounds per day emission limitation.

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V. Testing Requirements

1. Compliance with the daily OC emission limitation and OC content limitations shall be demonstrated by the record keeping requirements in B.III.1.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R016 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 13.	OAC rule 3745-31-05 (PTI 14-3148)	See A.I.2.a.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R016 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.
	OAC rule 3745-21-07(G)	See A.I.2.b.

2. Additional Terms and Conditions

- a. The organic compound (OC) emissions from this emissions unit shall not exceed 8.23 tons per year, including cleanup, based upon a rolling, 12-month summation.
- b. On days when photochemically reactive materials (coatings or cleanup materials) are employed, the OC emissions from this emissions unit shall not exceed 8 lbs OC/hour, nor 40 lbs OC/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds of OC per gallon;
 - d. the OC emission rate (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the rolling 12-month summation of the OC emissions (the summation of line d for the previous twelve calendar months).
2. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which document any exceedences of the emission limitation of 8.23 tons per year, based upon a rolling, 12-month summation.
2. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
4. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the emission limitations listed in A.I.2 shall be demonstrated by the record keeping requirements listed in A.III.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:

Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R016 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 13.	OAC rule 3745-31-05 (PTI 14-3148)	See B.I.2.

2. **Additional Terms and Conditions**

- a. The emissions of OC from the coatings and cleanup materials employed in this emissions unit shall not exceed 102.36 lbs per day.
- b. The OC content of the coatings used in this emissions unit shall not exceed 5.5 lbs per gallon of coating, as applied (based upon a daily volume weighted average).
- c. The OC content of each cleanup material used in this source shall not exceed 6.71 lbs per gallon.

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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 on a daily basis:
 - a. the name and identification of each coating and cleanup material employed and whether or not the coating or cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the OC emissions, in pounds (the summation of b X c for all coatings and for all cleanup materials employed); and
 - e. the daily volume-weighted average OC content of all coatings employed in this emissions unit, in pounds per gallon (the summation of the OC content, in pounds per gallon, multiplied by the usage, in gallons, for all coatings employed, divided by the total gallons of all coatings employed).

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports of any daily record showing an exceedance of the OC content limitations and/or pounds per day emission limitation.

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V. Testing Requirements

1. Compliance with the daily OC emission limitation and OC content limitations shall be demonstrated by the record keeping requirements in B.III.1.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R019 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray Booth No. 16.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R019 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. 0.551 lb/hr of particulate emissions, based on Table I. See A.I.2.
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hour, nor 40 lbs organic compounds (OC)/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation :
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.1.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:

Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R019 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 16.	OAC rule 3745-31-05 (PTI-3853)	The average hourly emission rate from this emission unit shall not exceed 6.02 LBS/HR of OC. The averaging period shall be based upon a calendar day. 2.83 TPY of OC

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. Annual usage of all coatings shall not exceed 800 gallons.
2. Annual usage of all cleanup materials shall not exceed 125 gallons.

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

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, excluding water and exempt solvents, in pounds per gallon;
 - d. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - e. the OC emission rate (the summation of b X d for all coatings and for all cleanup materials employed);
 - f. the calendar-year-to-date OC emission rate (the summation of line d for all months during the calendar year); and

g. the calendar-year-to-date coating and cleanup material usage rates, in gallons.

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IV. Reporting Requirements

1. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall also submit deviation (excursion) reports of any monthly record showing an exceedance of the hourly emission rate of 6.02 lbs of OC/Hr, or tons per year OC emission limitation of 2.83.

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V. Testing Requirements

1. Compliance with the OC content limitation and the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in A.III.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R020 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray Booth No. 17.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R020 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. 0.551 lb/hr of particulate emissions, based on Table I. See A.I.2.
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hour, nor 40 lbs organic compounds (OC)/day.

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II. Operational Restrictions

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

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation :
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]
2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

1. Compliance with the emission limitations listed in A.I.2 shall be demonstrated by the record keeping requirements listed in A.III.1.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R020 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Parts Spray Booth No. 17.	OAC rule 3745-31-05 (PTI 14-3853)	The average hourly emission rate from this emission unit shall not exceed 6.02 LBS/HR of OC. The averaging period shall be based upon a calendar day. 2.83 TPY of OC.

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. Annual usage of all coatings shall not exceed 800 gallons.
2. Annual usage of all cleanup materials shall not exceed 125 gallons.

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

1. The permittee shall collect and record the following information on a monthly basis:
 - a. the name and identification of each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating, excluding water and exempt solvents, in pounds per gallon;
 - d. the OC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - e. the OC emission rate (the summation of b x d for all coatings and for all cleanup materials employed);
 - f. the calendar-year-to-date OC emission rate (the summation of line d for all months during the calendar year); and
 - g. the calendar-year-to-date coating and cleanup material usage rates, in gallons.

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IV. **Reporting Requirements**

1. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for

the previous calendar year. These reports shall be submitted by January 31 of each year.

2. The permittee shall also submit deviation (excursion) reports of any monthly record showing an exceedance of the hourly emission rate of 6.02 lbs of OC/Hr, or tons per year OC emission limitation of 2.83.

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V. **Testing Requirements**

1. Compliance with the OC content limitation and the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in A.III.1.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1483090101 Emissions Unit ID: R023 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Adhesive Spray Booth No. A101.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R023 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. 0.551 lb/hr of particulate emissions, based on Table I. See A.I.2.
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. **Additional Terms and Conditions**

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hour, nor 40 lbs organic compounds (OC)/day.

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II. **Operational Restrictions**

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

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

1. The permittee shall collect and record the following information for each day this emissions unit is in operation :
 - a. the company identification for each coating and photochemically reactive cleanup material employed;

- b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all adhesives and cleanup materials, i.e., (d)/(e), in pounds per hour (average).
- [Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]
- 2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
- 2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. Testing Requirements

- 1. Compliance with the emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.
- 2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
- 3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- 4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 1483090101 Emissions Unit ID: R023 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Adhesive Spray Booth No. A101	OAC rule 3745-31-05 (PTI-14-1884)	See B.I.2.

2. Additional Terms and Conditions

- a. The following OC content limitaitons shall not be exceeded:
 1.
 - i. For each water-based adhesive, the OC content shall not exceed 0.5 lbs per gallon, excluding water and exempt solvents.
 - ii. For each solvent-based adhesive, the OC content shall not exceed 5.5 lbs per gallon, excluding water and exempt solvents.
 - b. The combined emissions of OC from R023 and R024, including emissions from cleanup materials, shall not exceed 7.70 TPY.

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II. Operational Restrictions

1. The combined usage of coatings and cleanup materials in R023 and R024 shall not exceed the following:
 - a. 9000 gallons per year for water-based adhesives;
 - b. 1800 gallons per year for solvent-based adhesives; and
 - c. 150 gallons per year for cleanup materials.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for R023 and R024 on a monthly basis:
 - a. the name and identification of each water-based coating and of each solvent-based coating employed;
 - b. the name and identification of each cleanup material employed;
 - c. the number of gallons of each water-based coating, excluding water and exempt solvents and of each solvent-based coating, excluding water and exempt solvents;
 - d. the number of gallons of each cleanup material employed;
 - e. the OC content of each water-based coating, excluding water and exempt solvents, in pounds per gallon and the OC content of each solvent-based coating, excluding water and exempt solvents, in pounds per gallon;
 - f. the OC content of each cleanup material employed, in pounds per gallon;
 - g. the OC emission rate (the summation of line c x e for each coating employed plus the summation of d x f for each cleanup material employed);
 - h. the calendar-year-to-date OC emission rate, in tons (the summation of line g for all months during the calendar year); and
 - i. the calendar-year-to-date water-based adhesive, solvent-based adhesive, and cleanup material usage

rates, in gallons.

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IV. Reporting Requirements

1. The permittee shall submit annual reports which specify the combined OC emissions from R023 and R024 for the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall also submit deviation (excursion) reports of any monthly record showing an exceedance of the OC content limitations, usage limitations, and/or tons per year emission limitation.

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V. Testing Requirements

1. Compliance with the OC content limitations and the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in B.III.1.
2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1483090101 Emissions Unit ID: R024 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Adhesive Spray Booth No. A102.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R024 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. 0.551 lb/hr of particulat emissions, based on Table I. See A.I.2.
	OAC rule 3745-17-11(B)	
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- a. On days when photochemically reactive materials (coatings or cleanup materials) are employed, this emissions unit shall not emit more than 8 lbs organic compounds (OC)/hour, nor 40 lbs organic compounds (OC)/day.

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II. Operational Restrictions

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

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

1. The permittee shall collect and record the following information for each day this emissions unit is in operation :
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total OC emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all adhesives and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]
2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and
 - b. An identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. **Testing Requirements**

1. Compliance with the emission limitations listed in A.I.2. shall be demonstrated by the record keeping requirements listed in A.III.
2. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:
Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment
3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
4. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1483090101 Emissions Unit ID: R024 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Adhesive Spray Booth No. A102	OAC rule 3745-31-05 (PTI-14-1884)	See B.I.2.

2. **Additional Terms and Conditions**

- a. The following OC content limitations shall not be exceeded:
 - 1.
 - i. For each water-based adhesive, the OC content shall not exceed 0.5 lbs per gallon, excluding water and exempt solvents.
 - ii. For each solvent-based adhesive, the OC content shall not exceed 5.5 lbs per gallon, excluding water and exempt solvents.
 - b. The combined emissions of OC from R023 and R024, including emissions from cleanup materials, shall not exceed 7.70 TPY.

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II. **Operational Restrictions**

- 1. The combined usage of coatings and cleanup materials in R023 and R024 shall not exceed the following:
 - a. 9000 gallons per year for water based adhesives;
 - b. 1800 gallons per year for solvent based adhesives; and
 - c. 150 gallons per year for cleanup material.

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

- 1. The permittee shall collect and record the following information for R023 and R024 on a monthly basis:
 - a. the name and identification of each water-based coating and of each solvent-based coating employed;
 - b. the name and identification of each cleanup material employed;
 - c. the number of gallons of each water-based coating, excluding water and exempt solvents and of each solvent-based coating, excluding water and exempt solvents;
 - d. the number of gallons of each cleanup material employed;
 - e. the OC content of each water-based coating, excluding water and exempt solvents, in pounds per gallon and the OC content of each solvent-based coating, excluding water and exempt solvents, in pounds per gallon;

- f. the OC content of each cleanup material employed, in pounds per gallon;
 - g. the OC emission rate (the summation of line c x e for each coating employed plus the summation of d x f for each cleanup material employed);
 - h. the calendar-year-to-date OC emission rate, in tons (the summation of line g for all months during the calendar year); and
 - i. the calendar-year-to-date water-based adhesive, solvent-based adhesive, and cleanup material usage rates, in gallons.

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IV. Reporting Requirements

- 1. The permittee shall submit annual reports which specify the combined OC emissions from R023 and R024 for the previous calendar year. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall also submit deviation (excursion) reports of any monthly record showing an exceedance of the OC content limitations, usage limitations, and/or tons per year emission limitation.

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V. Testing Requirements

- 1. Compliance with the OC content limitations and the annual OC emission limitation and usage limitations found in B.I. and B.II. shall be demonstrated by the record keeping requirements in B.III.1.
- 2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 1483090101 Emissions Unit ID: R030 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Non-Metal Spray Booth No. 20	OAC rule 3745-31-05 (PTI 14-3158)	Organic compound (OC) emissions shall not exceed 432 lbs/day, nor 27.98 TPY based on a rolling, 12-month summation.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R030 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.
	OAC rule 3745-21-07(G)	The use of photochemically reactive materials in this emissions unit is prohibited. Therefore, the requirements of OAC 3745-21-07(G) do not apply.

- 2. **Additional Terms and Conditions**

- a. The following OC content limitations shall not be exceeded:
 - (a)
 - i. the OC content of each solvent-based coating shall not exceed 6.6 pounds per gallon, excluding water and exempt solvents;
 - ii. the OC content of each water-based coating shall not exceed 2.0 pounds per gallon, excluding water and exempt solvents; and
 - iii. the OC content of each cleanup material shall not exceed 6.71 pounds per gallon.

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II. Operational Restrictions

1. The following usage limitations shall not be exceeded:
 - a. 6709 gallons per year of solvent-based coatings, based on a rolling, 12-month summation;
 - b. 5000 gallons per year of water-based coatings, based on a rolling, 12-month summation; and
 - c. 250 gallons per year of cleanup material, based on a rolling 12-month summation.
2. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification of each coating and cleanup material employed, and whether or not the material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the OC content of each coating and cleanup material employed, in pounds of OC per gallon, as applied;
 - d. the OC content of each water-based coating and each solvent-based coating, in pounds of OC per gallon of coating, excluding water and exempt solvents; and
 - e. the OC emissions, in pounds (the summation of b x c for all coatings and for all cleanup materials employed).
2. The permittee shall collect and record the following information for each month for the coating operation:
 - a. the company identification of each solvent-based coating, water-based coating, and cleanup material;
 - b. the number of gallons of each solvent-based coating employed, water-based coating employed, and cleanup material employed;
 - c. the total number of gallons of solvent-based coatings employed, the total number of gallons of water-based coatings employed, and the total number of gallons of cleanup materials employed;
 - d. the OC content of each solvent-based coating, water-based coating, and cleanup material, in pounds of OC per gallon, as applied;
 - e. the monthly OC emissions, in tons (the summation of b x d for all solvent-based coatings, for all water-based coatings, and for all cleanup materials);
 - f. the rolling, 12-month summation of the number of gallons of solvent-based coatings, the rolling, 12-month summation of the number of gallons of water-based coatings, and the rolling, 12-month summation of the number of gallons of cleanup materials; and
 - g. the rolling, 12-month summation of the OC emissions, in tons (for each month, the 12-month summation of the monthly OC emissions).
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. an identification of all exceedances of the lbs/day OC emissions limitation (432 lbs/day);
 - b. an identification of any exceedance of the rolling, 12-month usage limitations and/or rolling, 12-month OC emission limitation;

- c. an identification of any exceedance of the OC content limitations; and
 - d. an identification of any exceedance of the material restriction (i.e., the prohibition regarding the use of photochemically reactive materials).
- 2. The permittee shall submit annual reports which specify the total usage of solvent-based coatings, the total usage of water-based coatings, the total usage of cleanup materials, and the total OC emissions for the previous year. These reports shall be submitted by January 31 of each year.
- 3. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

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V. **Testing Requirements**

- 1. Compliance with the usage, emission, OC content, and material restrictions in sections A.I and A.II shall be demonstrated by the record keeping requirements in section A.III.1.
- 2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.
- 3. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- 4. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:

Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

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

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

$CE = \text{control efficiency of the control equipment}$

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1483090101 Emissions Unit ID: R030 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

- 1. None.

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

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

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

2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1483090101 Emissions Unit ID: R031 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Torrid Line "A" with Thermal Incinerator	OAC rule 3745-31-05 (PTI 14-2955)	See T&Cs A.1.2.a., b. and c.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R031 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.
	OAC rule 3745-21-07(G)(1)	See T&Cs A.1.2.e. and f.
	OAC rule 3745-21-07(G)(2)	See T&Cs A.1.2.d. and f.
	OAC rule 3745-21-07(G)(6)	See T&C A.1.2.f.

2. Additional Terms and Conditions

- a. The OC (uncontrolled) content of each coating and cleanup material employed in emissions units R031 and R032 shall not exceed the following:
 - (a)
 - i. 5.0 lbs of OC per gallon of coating, for coatings employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively);
 - ii. 5.2 lbs of OC per gallon of coating, as a daily volume-weighted average, for coatings employed in the controlled booths of R031 and R032 (A1 through A4 and B1 through B4, respectively); and
 - iii. 6.71 lbs of OC per gallon of cleanup.
 - b. The combined daily OC emissions from R031 and R032, including emissions from cleanup materials, shall not exceed the following:
 - i. 420 lbs from the uncontrolled booths of R031 and R032 (A5 and B5, respectively); and
 - ii. 470 lbs from the controlled booths of R031 and R032 (A1 through A4 and B1 through B4, respectively).
 - c. The combined annual OC emissions from R031 and R032, including emissions from cleanup materials, shall not exceed the following:
 - i. 38.2 TPY OC emissions from the uncontrolled booths of R031 and R032 (A5 and B5, respectively) based upon a rolling, 12-month summation;
 - ii. 49.4 TPY OC emissions from the controlled booths of R031 and R032 (A1 through A4, and, B1 through B4, respectively) based upon a rolling, 12-month summation; and
 - iii. 87.6 TPY total OC emissions from all the uncontrolled and controlled booths based upon a rolling, 12-month summation.
 - d. On days when the permittee employs any photochemically reactive materials (coatings and/or cleanup materials) in booth A5 of R031, the OC emissions shall not exceed 8 lbs per hour nor 40 lbs per day, unless said discharge has been reduced by at least 85% by weight.
 - e. The OC emissions from the oven associated with R031 shall not exceed 3 pounds per hour nor 15 pounds per day, unless said emissions have been reduced by at least 85%.
 - f. The permittee shall vent booths A1 through A4 and the associated oven of R031 and booths B1 through B4 and the associated oven of R032 to the thermal oxidizer.

The permittee shall operate and maintain the thermal oxidizer serving the spray booths and ovens such that the overall control efficiency for R031 and R032 is equal to or greater than 85% (by weight) for organic compounds.

Emission of organic materials into the atmosphere required to be controlled by paragraphs (G)(1) and (G)(2) of OAC rule 3745-21-07 shall be reduced by incineration provided that ninety percent or more of the carbon in the organic material being incinerated is oxidized to carbon dioxide.

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II. Operational Restrictions

1. The daily coating and cleanup material usage limitations for units R031 and R032 combined shall not exceed the following:
 - a. 80 gallons of coatings, for coatings employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively);
 - b. 587 gallons of coatings, for coatings employed in the controlled booths of R031 and R032 (A1 through A4, and B1 through B4, respectively);
 - c. 3 gallons of cleanup materials, for cleanup materials employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively); and
 - d. 12 gallons of cleanup materials, for cleanup materials employed in the controlled booths of R031 and R032 (A1 through A4, and B1 through B4, respectively).
2. The annual coating and cleanup material usage limitations for R031 and R032 combined shall not exceed the following:
 - a. 125,460 gallons of coatings, for coatings employed in the controlled booths of R031 and R032 combined (A1 through A4, and B1 through B4, respectively);
 - b. 15,000 gallons of coatings, for coatings employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);

- c. 876 gallons of cleanup materials, for cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4, and B1 through B4, respectively); and
 - d. 222 gallons of cleanup materials, for cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5 respectively);
- Compliance with these usage limitations shall be based upon rolling, 12-month summations.
- 3. The average temperature of the exhaust gases from the combustion zone of the thermal incinerator, for any 3-hour block of time, shall not be less than 1200 degrees Fahrenheit.
 - 4. The average temperature of the desorption air stream prior to the VOC concentrator wheel, for any 3-hour block of time, shall not be less than 350 degrees Fahrenheit.
 - 5. The average temperature of the concentrated VOC laden air stream prior to the thermal incinerator, for any 3-hour block of time, shall not be less than 120 degrees Fahrenheit.
 - 6. The permittee shall operate the water curtain whenever this emissions unit is in operation.
 - 7. The pressure drop across the 3-stage particulate filters shall be maintained within the range of 0.5 - 1.5 inches of water while the emissions unit is in operation.
 - 8. The permittee shall operate the exhaust fans in each controlled spray booth in the coating line such that an overall negative pressure differential is maintained between the exterior of the booth and the interior of the booth in order to eliminate fugitive OC emissions from the booths.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each day for R031 and R032, combined:
 - a. the company identification of each coating and cleanup material employed and whether each coating and cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed and the number of gallons of all coatings and all cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - c. the number of gallons of each coating and cleanup material employed and the number of gallons of all coatings and all cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - d. the organic compound content, in pounds per gallon, of each coating and cleanup material employed in the controlled booths of R031 and R032 (A1 through A4 and B1 through B4, respectively);
 - e. the organic compound content, in pounds per gallon, of each coating and cleanup material employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively);
 - f. the uncontrolled OC emission rate, in pounds per day, from all coatings and cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - g. the uncontrolled OC emission rate, in pounds per day, from all coatings and cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - h. the total hours of operation of the thermal incinerator, in hours per day;
 - i. the calculated controlled emissions from the rotor wheelhouse, based upon the CEM data, in pounds per day;
 - j. the calculated controlled emissions from the thermal incinerator, in pounds per day, using the hourly emission rate from the latest emissions test;
 - k. the total controlled emissions, in pounds per day, from the rotor wheelhouse and the thermal incinerator;
 - l. the calculated fugitive emissions from the controlled booths of R031 and R032, in pounds per day, using the hourly emission rate from the latest emissions test; and
 - m. the overall control efficiency for the controlled booths of R031 and R032, in percent, $[(f + l - k)/(f + l) \times 100\%]$.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]
- 2. The permittee shall collect and record the following information each month for R031 and R032 combined:
 - a. the number of gallons of all coatings employed and the rolling, 12-month summation of the number of gallons of all coatings employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - b. the number of gallons of all coatings employed and the rolling, 12-month summation of the number of gallons of all coatings employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - c. the number of gallons of all cleanup materials employed and the rolling, 12-month summation of the number of gallons of all cleanup materials employed in the controlled booths of R031 and R032 combined

(A1 through A4 and B1 through B4, respectively);

d. the number of gallons of all cleanup materials employed and the rolling, 12-month summation of the number of gallons of all cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);

e. the controlled OC emissions, in tons per month, and the rolling, 12-month summation of controlled OC emissions, in tons per year, from all coatings and cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);

f. the uncontrolled OC emissions, in tons per month, and the rolling, 12-month summation of uncontrolled OC emissions, in tons per year, from all coatings and cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively); and

g. the total (controlled booths plus uncontrolled booths) OC emissions, in tons per month, and the total (controlled booths plus uncontrolled booths) rolling, 12-month summation of OC emissions, in tons per year, from all coatings and cleanup materials employed in R031 and R032 combined.

3. The permittee shall operate and maintain continuous temperature monitors and recorders which measure and record the temperature at the following points when the emissions unit is in operation:

a. the temperature of the exhaust gases from the combustion zone of the thermal incinerator;

b. the temperature of the desorption air stream prior to the VOC concentrator wheel; and

c. the temperature of the concentrated VOC laden air stream prior to the incinerator.

Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within 1 percent of the temperature being measured or 5 degrees Fahrenheit, whichever is greater. The temperature monitors and recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the average temperature from the monitoring points listed in a, b, and c above for each of the 8 3-hours blocks during the day. The permittee shall maintain a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

4. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.

5. The permittee shall collect and record the following information for each day for the uncontrolled booth (A5) of R031:

a. the company identification for each coating and photochemically reactive cleanup material employed;

b. the number of gallons of each coating and photochemically reactive cleanup material employed;

c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;

d. for each day during which a photochemically reactive material (coating or cleanup material) is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;

e. for each day during which a photochemically reactive material (coating or cleanup material) is employed, the total number of hours the emissions unit was in operation; and

f. for each day during which a photochemically reactive material (coating or cleanup material) is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

6. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the 3-stage filters while the emissions unit is in operation. The monitoring equipment shall be installed, 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 3-stage filters on a daily basis.

7. The permittee shall measure and record the pressure differential between the exterior and the interior of each controlled spray booth in the coating line while the emissions unit is in operation to ensure compliance with the operational restriction in section A.II.8. The permittee shall record any adjustments to the fans which alter or change the the air flow in the spray booths and capture and control system.

8. The permittee shall operate and maintain equipment to continuously monitor and record organic compounds in the exhaust gases from the rotor wheelhouse when the emissions unit is in operation. The organic monitoring device and recorder shall be capable of satisfying the performance requirements specified in 40 CFR 60, Appendix B, Performance Specification 8 or Performance Specification 9. Prior to any compliance demonstration, the permittee shall demonstrate that the organic monitoring device and recorder satisfy the requirements of Performance Specification 8 or Performance Specification 9. The organic compound monitoring device and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall maintain daily records of all data obtained by the continuous organic compound monitoring system including, but not limited to parts per million organic compound on an instantaneous (one-minute) basis and emissions of organic compound in units of the applicable standard (i.e., generate data in pounds of organic compounds per hour and pounds of organic compounds per day using an

approved response factor). The permittee shall also maintain daily records of the results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

The permittee shall also maintain daily records of any downtime for the continuous organic monitoring device and recorder.

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IV. Reporting Requirements

1. The permittee shall submit quarterly temperature deviation (excursion) reports that identify:
 - a. all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator does not comply with the temperature limitation specified in section A.II.3. of these terms and conditions;
 - b. all 3-hour blocks of time during which the average temperature of the desorption air stream prior to the VOC concentrator wheel does not comply with the temperature limitation specified in section A.II.4. of these terms and conditions; and
 - c. all 3-hour blocks of time during which the average temperature of the concentrated VOC laden air stream prior to the incinerator does not comply with the temperature limitation specified in section A.II.5. of these terms and conditions.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information for the uncontrolled booth (A5) of R031:
 - a. an identification of each day during which a photochemically reactive material was employed and the average hourly organic compound emissions from all the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. an identification of each day during which a photochemically reactive material was employed and the organic compound emissions from all the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.
3. The permittee shall submit quarterly reports that identify all deviations (excursions) of the following emission limitations and operational restrictions:
 - a. the lbs per gallon OC content limits for coatings and cleanup materials in section A.I.2.a.;
 - b. the daily controlled and uncontrolled OC emissions limits for R031 and R032 combined in section A.I.2.b.;
 - c. the daily coating and cleanup usage limits for R031 and R032 combined in section A.II.1.; and
 - d. the daily overall control efficiency limitation in sections A.I.2.d. and A.I.2.e.

If no exceedances occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.
4. The permittee shall submit quarterly reports which specify the rolling, 12-month emissions and usages for R031 and R032 combined for each calendar month during the quarter. These reports shall include the following information for each calendar month:
 - a. the rolling, 12-month OC emissions, in tons, from the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - b. the rolling, 12-month OC emissions, in tons, from the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - c. the rolling, 12-month total (uncontrolled and controlled) OC emissions, in tons, from R031 and R032 combined;
 - d. the rolling, 12-month coating usage, in gallons, for the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - e. the rolling, 12-month coating usage, in gallons, for the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B5, respectively);
 - f. the rolling, 12-month cleanup material usage, in gallons, for the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively); and
 - g. the rolling, 12-month cleanup material usage, in gallons, for the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively).

The permittee shall submit the reports to Hamilton County Department of Environmental Services. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

5. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

6. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the 3-stage filters did not comply with the allowable range specified in section A.II.7 of these terms and conditions.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.

7. The permittee shall submit quarterly deviation reports that identify all periods of time during which the weekly inspections did not indicate a negative pressure differential between the exterior and interior of any spray booth in the coating line. The report shall also include an identification of the booth and the pressure differential reading.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.

8. The permittee shall submit reports within 30 days following the end of each calendar quarter to the Hamilton County Department of Environmental Services documenting any periods where the concentration of organic compounds from the wheelhouse may indicate the performance of the concentrator has decreased. The report shall also include any continuous organic compound monitoring system downtime while the emissions unit was on-line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason and corrective action(s) taken for each time period of source and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall also be included in the quarterly report.

If there are no periods where the concentration of OC indicates the concentrator performance has decreased or there are no periods of monitor downtime during the calendar quarter, the permittee shall submit a statement to that effect. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

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V. Testing Requirements

1. Compliance with the OC emissions limitations and usage restrictions in sections A.I. and A.II. shall be demonstrated by the recordkeeping requirements in section A.III. and the testing requirements in section A.V.2.
2. The permittee shall conduct, or have conducted, emission testing for emissions units R031 and R032 from emissions points within each coating line sufficient to determine compliance with the control requirements in sections A.I.2.e. and A.I.2.f. of these terms and conditions. The permittee shall conduct the emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of this permit and every 2.5 years thereafter.;

b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds (85%) from R031 and R032, the overall control efficiency limitation for organic compounds from the heat-curing ovens associated with R031 and R032, and the control (destruction) efficiency limitation for organic compounds (90%) for the thermal incinerator associated with R031 and R032.

c. The test methods which the permittee must employ are specified in A.V.2.d. and A.V.2.e. below.

d. The capture efficiency shall be determined using methods 204 through 204F, as specified in 40 CFR 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with USEPA's "Guidelines for Determining Capture Efficiency", dated January 9, 1995.

The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.

e. The control efficiency (i.e. the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95).

The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

f. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

3. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.
4. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:

Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

5. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

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VI. Miscellaneous Requirements

1. If probable cause exist indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3475-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.
2. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous organic compound monitoring system designed to ensure continuous valid and representative readings of organic compounds. The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous organic compound monitoring system must be kept on site and available for inspection during regular office hours.

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Facility ID: 1483090101 Emissions Unit ID: R031 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Torrid Line "A" with Thermal Incinerator

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1483090101 Emissions Unit ID: R032 Issuance type: Title V Draft Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Torrid Line "B" with Thermal Incinerator

OAC rule 3745-31-05
(PTI 14-2955)

See T&Cs A.I.2.a., b. and c.

OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack associated with R032 shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions, based on Table I.
OAC rule 3745-21-07(G)(1)	See T&Cs A.I.2.e. and f.
OAC rule 3745-21-07(G)(2)	See T&Cs A.I.2.d. and f.
OAC rule 3745-21-07(G)(6)	See T&C A.I.2.f.

2. **Additional Terms and Conditions**

- a. The OC (uncontrolled) content of each coating and cleanup material employed in emissions units R031 and R032 shall not exceed the following:
 - (a)
 - i. 5.0 lbs of OC per gallon of coating, for coatings employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively);
 - ii. 5.2 lbs of OC per gallon of coating, as a daily volume-weighted average, for coatings employed in the controlled booths of R031 and R032 (A1 through A4 and B1 through B4, respectively); and
 - iii. 6.71 lbs of OC per gallon of cleanup.
 - b. The combined daily OC emissions from R031 and R032, including emissions from cleanup materials, shall not exceed the following:
 - i. 420 lbs from the uncontrolled booths of R031 and R032 (A5 and B5, respectively); and
 - ii. 470 lbs from the controlled booths of R031 and R032 (A1 through A4 and B1 through B4, respectively).
 - c. The combined annual OC emissions from R031 and R032, including emissions from cleanup materials, shall not exceed the following:
 - i. 38.2 TPY OC emissions from the uncontrolled booths of R031 and R032 (A5 and B5, respectively) based upon a rolling, 12-month summation;
 - ii. 49.4 TPY OC emissions from the controlled booths of R031 and R032 (A1 through A4, and, B1 through B4, respectively) based upon a rolling, 12-month summation; and
 - iii. 87.6 TPY total OC emissions from all the uncontrolled and controlled booths based upon a rolling, 12-month summation.
 - d. On days when the permittee employs any photochemically reactive materials (coatings and/or cleanup materials) in booth B5 of R032, the OC emissions shall not exceed 8 lbs per hour nor 40 lbs per day, unless said discharge has been reduced by at least 85% by weight.
 - e. The OC emissions from the oven associated with R032 shall not exceed 3 pounds per hour nor 15 pounds per day, unless said emissions have been reduced by at least 85%.
 - f. The permittee shall vent booths A1 through A4 and the associated oven of R031 and booths B1 through B4 and the associated oven of R032 to the thermal oxidizer.

The permittee shall operate and maintain the thermal oxidizer serving the spray booths and ovens such that the overall control efficiency for R031 and R032 is equal to or greater than 85% (by weight) for organic compounds.

Emission or organic materials into the atmosphere required to be controlled by paragraphs (G)(1) and (G)(2) of OAC rule 3745-21-07 shall be reduced by incineration provided that ninety percent or more of the carbon in the organic material being incinerated is oxidized to carbon dioxide.

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II. **Operational Restrictions**

1. The daily coating and cleanup material usage limitations for units R031 and R032 combined shall not exceed the following:
 - a. 80 gallons of coatings, for coatings employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively);
 - b. 587 gallons of coatings, for coatings employed in the controlled booths of R031 and R032 (A1 through A4, and B1 through B4, respectively);
 - c. 3 gallons of cleanup materials, for cleanup materials employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively); and
 - d. 12 gallons of cleanup materials, for cleanup materials employed in the controlled booths of R031 and R032 (A1 through A4, and B1 through B4, respectively).

2. The annual coating and cleanup material usage limitations for R031 and R032 combined shall not exceed the following:
 - a. 125,460 gallons of coatings, for coatings employed in the controlled booths of R031 and R032 combined (A1 through A4, and B1 through B4, respectively);
 - b. 15,000 gallons of coatings, for coatings employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - c. 876 gallons of cleanup materials, for cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4, and B1 through B4, respectively); and
 - d. 222 gallons of cleanup materials, for cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5 respectively);

Compliance with these usage limitations shall be based upon rolling, 12-month summations.
3. The average temperature of the exhaust gases from the combustion zone of the thermal incinerator, for any 3-hour block of time, shall not be less than 1200 degrees Fahrenheit.
4. The average temperature of the desorption air stream prior to the VOC concentrator wheel, for any 3-hour block of time, shall not be less than 350 degrees Fahrenheit.
5. The average temperature of the concentrated VOC laden air stream prior to the thermal incinerator, for any 3-hour block of time, shall not be less than 120 degrees Fahrenheit.
6. The permittee shall operate the water curtain whenever this emissions unit is in operation.
7. The pressure drop across the 3-stage particulate filters shall be maintained within the range of 0.5 - 1.5 inches of water while the emissions unit is in operation.
8. The permittee shall operate the exhaust fans in each controlled spray booth in the coating line such that an overall negative pressure differential is maintained between the exterior of the booth and the interior of the booth in order to eliminate fugitive OC emissions from the booths.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for R031 and R032, combined:
 - a. the company identification of each coating and cleanup material employed and whether each coating and cleanup material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed and the number of gallons of all coatings and all cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - c. the number of gallons of each coating and cleanup material employed and the number of gallons of all coatings and all cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - d. the organic compound content, in pounds per gallon, of each coating and cleanup material employed in the controlled booths of R031 and R032 (A1 through A4 and B1 through B4, respectively);
 - e. the organic compound content, in pounds per gallon, of each coating and cleanup material employed in the uncontrolled booths of R031 and R032 (A5 and B5, respectively);
 - f. the uncontrolled OC emission rate, in pounds per day, from all coatings and cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - g. the uncontrolled OC emission rate, in pounds per day, from all coatings and cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - h. the total hours of operation of the thermal incinerator, in hours per day;
 - i. the calculated controlled emissions from the rotor wheelhouse, based upon the CEM data, in pounds per day;
 - j. the calculated controlled emissions from the thermal incinerator, in pounds per day, using the hourly emission rate from the latest emissions test;
 - k. the total controlled emissions, in pounds per day, from the rotor wheelhouse and the thermal incinerator;
 - l. the calculated fugitive emissions from the controlled booths of R031 and R032, in pounds per day, using the hourly emission rate from the latest emissions test; and
 - m. the overall control efficiency for the controlled booths of R031 and R032, in percent, $[(f + l - k)/(f + l) \times 100\%]$.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]
2. The permittee shall collect and record the following information each month for R031 and R032 combined:
 - a. the number of gallons of all coatings employed and the rolling, 12-month summation of the number of

gallons of all coatings employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);

b. the number of gallons of all coatings employed and the rolling, 12-month summation of the number of gallons of all coatings employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);

c. the number of gallons of all cleanup materials employed and the rolling, 12-month summation of the number of gallons of all cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);

d. the number of gallons of all cleanup materials employed and the rolling, 12-month summation of the number of gallons of all cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);

e. the controlled OC emissions, in tons per month, and the rolling, 12-month summation of controlled OC emissions, in tons per year, from all coatings and cleanup materials employed in the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);

f. the uncontrolled OC emissions, in tons per month, and the rolling, 12-month summation of uncontrolled OC emissions, in tons per year, from all coatings and cleanup materials employed in the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively); and

g. the total (controlled booths plus uncontrolled booths) OC emissions, in tons per month, and the total (controlled booths plus uncontrolled booths) rolling, 12-month summation of OC emissions, in tons per year, from all coatings and cleanup materials employed in R031 and R032 combined.

3. The permittee shall operate and maintain continuous temperature monitors and recorders which measure and record the temperature at the following points when the emissions unit is in operation:

a. the temperature of the exhaust gases from the combustion zone of the thermal incinerator;

b. the temperature of the desorption air stream prior to the VOC concentrator wheel; and

c. the temperature of the concentrated VOC laden air stream prior to the incinerator.

Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within 1 percent of the temperature being measured or 5 degrees Fahrenheit, whichever is greater. The temperature monitors and recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the average temperature from the monitoring points listed in a, b, and c above for each of the 8 3-hours blocks during the day. The permittee shall maintain a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

4. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.

5. The permittee shall collect and record the following information for each day for the uncontrolled booth (B5) of R032:

a. the company identification for each coating and photochemically reactive cleanup material employed;

b. the number of gallons of each coating and photochemically reactive cleanup material employed;

c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;

d. for each day during which a photochemically reactive material (coating or cleanup material) is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;

e. for each day during which a photochemically reactive material (coating or cleanup material) is employed, the total number of hours the emissions unit was in operation; and

f. for each day during which a photochemically reactive material (coating or cleanup material) is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

6. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the 3-stage filters while the emissions unit is in operation. The monitoring equipment shall be installed, 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 3-stage filters on a daily basis.

7. The permittee shall measure and record the pressure differential between the exterior and the interior of each controlled spray booth in the coating line while the emissions unit is in operation to ensure compliance with the operational restriction in section A.II.8. The permittee shall record any adjustments to the fans which alter or change the the air flow in the spray booths and capture and control system.

8. The permittee shall operate and maintain equipment to continuously monitor and record organic compounds in the exhaust gases from the rotor wheelhouse when the emissions unit is in operation. The organic monitoring device and recorder shall be capable of satisfying the performance requirements specified in 40 CFR 60, Appendix B, Performance Specification 8 or Performance Specification 9. Prior to any compliance

demonstration, the permittee shall demonstrate that the organic monitoring device and recorder satisfy the requirements of Performance Specification 8 or Performance Specification 9. The organic compound monitoring device and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall maintain daily records of all data obtained by the continuous organic compound monitoring system including, but not limited to parts per million organic compound on an instantaneous (one-minute) basis and emissions of organic compound in units of the applicable standard (i.e., generate data in pounds of organic compounds per hour and pounds of organic compounds per day using an approved response factor). The permittee shall also maintain daily records of the results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

The permittee shall also maintain daily records of any downtime for the continuous organic monitoring device and recorder.

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IV. Reporting Requirements

1. The permittee shall submit quarterly temperature deviation (excursion) reports that identify:
 - a. all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator does not comply with the temperature limitation specified in section A.II.3. of these terms and conditions;
 - b. all 3-hour blocks of time during which the average temperature of the desorption air stream prior to the VOC concentrator wheel does not comply with the temperature limitation specified in section A.II.4. of these terms and conditions; and
 - c. all 3-hour blocks of time during which the average temperature of the concentrated VOC laden air stream prior to the incinerator does not comply with the temperature limitation specified in section A.II.5. of these terms and conditions.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information for the uncontrolled booth (B5) of R032:
 - a. an identification of each day during which a photochemically reactive material was employed and the average hourly organic compound emissions from all the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. an identification of each day during which a photochemically reactive material was employed and the organic compound emissions from all the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.
3. The permittee shall submit quarterly reports that identify all deviations (excursions) of the following emission limitations and operational restrictions:
 - a. the lbs per gallon OC content limits for coatings and cleanup materials in section A.I.2.a.;
 - b. the daily controlled and uncontrolled OC emissions limits for R031 and R032 combined in section A.I.2.b.;
 - c. the daily coating and cleanup usage limits for R031 and R032 combined in section A.II.1.; and
 - d. the daily overall control efficiency limitation in sections A.I.2.d. and A.I.2.e.

If no exceedances occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.
4. The permittee shall submit quarterly reports which specify the rolling, 12-month emissions and usages for R031 and R032 combined for each calendar month during the quarter. These reports shall include the following information for each calendar month:
 - a. the rolling, 12-month OC emissions, in tons, from the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);
 - b. the rolling, 12-month OC emissions, in tons, from the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively);
 - c. the rolling, 12-month total (uncontrolled and controlled) OC emissions, in tons, from R031 and R032 combined;
 - d. the rolling, 12-month coating usage, in gallons, for the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively);

e. the rolling, 12-month coating usage, in gallons, for the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B5, respectively);

f. the rolling, 12-month cleanup material usage, in gallons, for the uncontrolled booths of R031 and R032 combined (A5 and B5, respectively); and

g. the rolling, 12-month cleanup material usage, in gallons, for the controlled booths of R031 and R032 combined (A1 through A4 and B1 through B4, respectively).

The permittee shall submit the reports to Hamilton County Department of Environmental Services. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

5. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days after the event occurs.

6. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the 3-stage filters did not comply with the allowable range specified in section A.II.7 of these terms and conditions.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.

7. The permittee shall submit quarterly deviation reports that identify all periods of time during which the weekly inspections did not indicate a negative pressure differential between the exterior and interior of any spray booth in the coating line. The report shall also include an identification of the booth and the pressure differential reading.

If no deviations occurred during a reporting period then the report submitted by the permittee shall state so. The permittee shall submit the reports to Hamilton County Department of Environmental Services. Refer to General Term and Condition A.1.c. for the required quarterly report due dates.

8. The permittee shall submit reports within 30 days following the end of each calendar quarter to the Hamilton County Department of Environmental Services documenting any periods where the concentration of organic compounds from the wheelhouse may indicate the performance of the concentrator has decreased. The report shall also include any continuous organic compound monitoring system downtime while the emissions unit was on-line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason and corrective action(s) taken for each time period of source and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall also be included in the quarterly report.

If there are no periods where the concentration of OC indicates the concentrator performance has decreased or there are no periods of monitor downtime during the calendar quarter, the permittee shall submit a statement to that effect. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

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V. Testing Requirements

1. Compliance with the OC emissions limitations and usage restrictions in sections A.I. and A.II. shall be demonstrated by the recordkeeping requirements in section A.III. and the testing requirements in section A.V.2.
2. The permittee shall conduct, or have conducted, emission testing for emissions units R031 and R032 from emissions points within each coating line sufficient to determine compliance with the control requirements in sections A.I.2.e. and A.I.2.f. of these terms and conditions. The permittee shall conduct the emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of this permit and every 2.5 years thereafter;

b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds (85%) from R031 and R032, the overall control efficiency limitation for organic compounds from the heat-curing ovens associated with R031 and R032, and the control (destruction) efficiency limitation for organic compounds (90%) for the thermal incinerator associated with R031 and R032.

c. The test methods which the permittee must employ are specified in A.V.2.d. and A.V.2.e. below.

d. The capture efficiency shall be determined using methods 204 through 204F, as specified in 40 CFR 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with USEPA's "Guidelines for Determining Capture Efficiency", dated January 9, 1995.

The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any

other applicable requirement.

e. The control efficiency (i.e. the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95).

The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

f. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

3. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.
4. Compliance with the particulate emission limitation in section A.I.1. of these terms and conditions shall be demonstrated by the following:

Emission limitation: 0.551 lb/hr of particulate emissions

Compliance Method:

Compliance with the particulate emission limit shall be determined in accordance with the following method:

To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

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

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

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

$CE = \text{control efficiency of the control equipment}$

5. Compliance with the visible particulate emissions limitation in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

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VI. Miscellaneous Requirements

1. If probable cause exist indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3475-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.
2. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous organic compound monitoring system designed to ensure continuous valid and representative readings of organic compounds. The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous organic compound monitoring system must be kept on site and available for inspection during regular office hours.

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Facility ID: 1483090101 Emissions Unit ID: R032 Issuance type: Title V Draft Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Torrid Line "B" with Thermal Incinerator		
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None