

Facility ID: 0388010116 Issuance type: Title V Final Permit

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

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

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

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. The following rule is applicable to emissions unit P004: OAC rule 3745-21-07(G)(1).
 2. The permittee shall comply with the following applicable emission limitations for emissions unit P004:
 - a. 3 lbs organic compounds (OC)/hour; and
 - b. 15 lbs OC/day.
 3. The permittee shall comply with the following monitoring and/or record keeping requirements:
 - a. The permittee shall collect and record the following information each day for emissions unit P004:
 - i. The total uncontrolled daily organic compound emission rate for the coating operation associated with emissions unit P004 [i.e., from section A.III.1.f of emissions unit R045 (the contribution to the "split" from emissions units R041, R042, R043 and R044 is assumed to be negligible)], multiplied by the maximum percentage of the emissions from the coating operation associated with emissions unit P004, as determined below (see section A.5.e), in pounds.
 - ii. The number of hours of operation the emissions unit is in operation.
 - iii. The average hourly OC emission rate (II.A.3.a.i/II.A.3.a.ii), in pounds/hr (average).*
 - b. For purposes of calculating the OC emission rates for emissions unit P004 and the associated spray booth (R045), the permittee shall utilize a value of % by weight that is based on the results of the booth/oven split testing required in section A.5 for emissions unit P004 and is representative of the maximum percentage of the organic compounds employed in the spray booth (emissions unit R045) that is emitted uncontrolled from the spray booth. The remaining percentage of the organic compounds employed in the spray booth shall be considered to be the uncontrolled emissions for emissions unit P004.
- * It shall not be necessary to develop record keeping requirements to ensure compliance with the 3 lbs OC/hr emission limitation if the emission testing, pursuant to section A.5 below, demonstrates that the potential to emit for OC from emissions unit P004 is less than 3 lbs/hr.
4. The permittee shall submit quarterly deviation (excursion) reports for emissions unit P004 that include the following:
 - a. An identification of each day during which the average hourly organic compound emission rate exceeded 3 pounds per hour, and the actual average hourly organic compound emission rate for each such day.*
 - b. An identification of each day during which the organic compound emission rate exceeded 15 pounds per day, and the actual organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

* It shall not be necessary to submit quarterly deviation reports for the 3 lbs OC/hr emission limitation if the emission testing, pursuant to section A.5 below, demonstrates that the potential to emit for OC from emissions unit P004 is less than 3 lbs/hr.
5. The permittee shall conduct, or have conducted, emission testing for emissions unit P004 in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months of issuance of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable OC emission limitation of 3 lbs/hr, and to determine the oven/booth "split" of OC emissions.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25, 40 CFR, Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while this emissions unit and emissions units R041 through R045 are operating at or near their maximum capacities (i.e., the maximum coating throughput with the maximum OC content), unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

e. The oven/booth "split" shall be determined as follows:

$$\text{split (\% by weight)} = (b/a) \times 100\%$$

where:

a = the maximum OC input rate (lbs/hr) to the spray booth (emission unit R045); and

b = the tested OC emission rate (lbs/hr) from the stack associated with the oven (emissions unit P004)

6. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Northwest District Office 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 Ohio EPA, Northwest District Office 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 Ohio EPA, Northwest District Office.

7. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials employed in emissions unit P004.

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b State Only Enforceable Section

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

6.0 mmBtu/hr DeVilbiss AMU #1 natural gas, Ohio EPA emissions unit B004;
 6.0 mmBtu/hr DeVilbiss AMU #1 natural gas, Ohio EPA emissions unit B005;
 4.8 mmBtu/hr DeVilbiss AMU #1 natural gas, Ohio EPA emissions unit B006;
 6.0 mmBtu/hr DeVilbiss AMU #1 natural gas, Ohio EPA emissions unit B007;
 4.4 mmBtu/hr Jac & Chu AMU #5 natural gas, Ohio EPA emissions unit B008;
 4.3 mmBtu/hr Geo K AMU #6 natural gas, Ohio EPA emissions unit B009;
 4.7 mmBtu/hr Ind Air Sys AMU 7 natural gas, Ohio EPA emissions unit B010;
 A.C.E. Oven (paint burn-off, 500 lb/hr), Ohio EPA emissions unit N001;
 0.5 mmBtu/hr DeVilbiss Batch Oven, Ohio EPA emissions unit P002;
 3.5 mmBtu/hr Koch Oven - Line 1, Ohio EPA emissions unit P003;
 5.0 mmBtu/hr Koch Oven - Line 2, Ohio EPA emissions unit P004;
 1.2 mmBtu/hr Gen Auto Tran Oven #6, Ohio EPA emissions unit P005;
 0.5 mmBtu/hr Mich Batch Oven #7, Ohio EPA emissions unit P006;
 Resin Storage Silo #1, Ohio EPA emissions unit P007;
 Resin Storage Silo #2, Ohio EPA emissions unit P008;
 Resin Storage Silo #3, Ohio EPA emissions unit P009;
 Resin Storage Silo #4, Ohio EPA emissions unit P010;
 Injection Molding Machine 2, Ohio EPA emissions unit Z002;
 Injection Molding Machine 4, Ohio EPA emissions unit Z004;
 Injection Molding Machine 6, Ohio EPA emissions unit Z006;
 Injection Molding Machine 8, Ohio EPA emissions unit Z008;
 Injection Molding Machine 9, Ohio EPA emissions unit Z009;
 Injection Molding Machine 11, Ohio EPA emissions unit Z011;
 Injection Molding Machine 12, Ohio EPA emissions unit Z012;
 Injection Molding Machine 13, Ohio EPA emissions unit Z013;
 Injection Molding Machine 14, Ohio EPA emissions unit Z014;
 Injection Molding Machine 15, Ohio EPA emissions unit Z015;
 Injection Molding Machine 16, Ohio EPA emissions unit Z016;
 Injection Molding Machine 17, Ohio EPA emissions unit Z017;
 Injection Molding Machine 18, Ohio EPA emissions unit Z018;
 Injection Molding Machine 30, Ohio EPA emissions unit Z021;
 Injection Molding Machine 31, Ohio EPA emissions unit Z022;
 Injection Molding Machine 33, Ohio EPA emissions unit Z024;
 Injection Molding Machine 35, Ohio EPA emissions unit Z026;
 Injection Molding Machine 36, Ohio EPA emissions unit Z027;
 Injection Molding Machine 37, Ohio EPA emissions unit Z028;
 Injection Molding Machine 39, Ohio EPA emissions unit Z030;
 Injection Molding Machine 40, Ohio EPA emissions unit Z031;
 Injection Molding Machine 41, Ohio EPA emissions unit Z032;
 Injection Molding Machine 42, Ohio EPA emissions unit Z033;
 Injection Molding Machine 43, Ohio EPA emissions unit Z034;
 Injection Molding Machine 44, Ohio EPA emissions unit Z035;

Injection Molding Machine 45, Ohio EPA emissions unit Z036;
Injection Molding Machine 46, Ohio EPA emissions unit Z037;
Injection Molding Machine 48, Ohio EPA emissions unit Z039;
Injection Molding Machine 50, Ohio EPA emissions unit Z041;
Injection Molding Machine 51, Ohio EPA emissions unit Z042;
Injection Molding Machine 52, Ohio EPA emissions unit Z043;
Injection Molding Machine 53, Ohio EPA emissions unit Z044;
Injection Molding Machine 54, Ohio EPA emissions unit Z045;
4.0 mmBtu/hr Gen Fab AMU #8 natural gas, Ohio EPA emissions unit Z046;
Resin Grinding Machine #5000, Ohio EPA emissions unit Z047;
Resin Grinding Machine #5037, Ohio EPA emissions unit Z050;
Resin Grinding Machine #5038, Ohio EPA emissions unit Z051;
Resin Grinding Machine #5039, Ohio EPA emissions unit Z052;
Resin Grinding Machine #5040, Ohio EPA emissions unit Z053;
Resin Grinding Machine #5045, Ohio EPA emissions unit Z055;
Resin Grinding Machine #5056, Ohio EPA emissions unit Z060;
Resin Grinding Machine #5061, Ohio EPA emissions unit Z062;
Resin Grinding Machine #5062, Ohio EPA emissions unit Z063;
Resin Grinding Machine #5066, Ohio EPA emissions unit Z064;
Resin Grinding Machine #5068, Ohio EPA emissions unit Z065;
Resin Grinding Machine #5070, Ohio EPA emissions unit Z067;
Resin Grinding Machine #5071, Ohio EPA emissions unit Z068;
Resin Grinding Machine #5072, Ohio EPA emissions unit Z069;
Resin Grinding Machine #5073, Ohio EPA emissions unit Z070;
Resin Grinding Machine #5075, Ohio EPA emissions unit Z072;
Resin Grinding Machine #5076, Ohio EPA emissions unit Z073;
Resin Grinding Machine #5077, Ohio EPA emissions unit Z074;
Resin Grinding Machine #5078, Ohio EPA emissions unit Z075;
Resin Grinding Machine #5079, Ohio EPA emissions unit Z076;
Resin Grinding Machine #5080, Ohio EPA emissions unit Z077;
Resin Grinding Machine #5081, Ohio EPA emissions unit Z078;
Resin Grinding Machine #5082, Ohio EPA emissions unit Z079;
Resin Grinding Machine #5083, Ohio EPA emissions unit Z080;
Resin Grinding Machine #5084, Ohio EPA emissions unit Z081;
Resin Grinding Machine #5085, Ohio EPA emissions unit Z082;
Resin Grinding Machine #5086, Ohio EPA emissions unit Z083;
Resin Grinding Machine #5087, Ohio EPA emissions unit Z084;
Resin Grinding Machine #5088, Ohio EPA emissions unit Z085;
Resin Grinding Machine #5089, Ohio EPA emissions unit Z086;
Resin Grinding Machine #5090, Ohio EPA emissions unit Z087;
Resin Grinding Machine #5091, Ohio EPA emissions unit Z088;
Resin Grinding Machine #5092, Ohio EPA emissions unit Z089;
Resin Grinding Machine #5093, Ohio EPA emissions unit Z090;
Resin Grinding Machine #5094, Ohio EPA emissions unit Z091;
Resin Grinding Machine #5095, Ohio EPA emissions unit Z092;
Resin Grinding Machine #5096, Ohio EPA emissions unit Z093;
Resin Grinding Machine #5097, Ohio EPA emissions unit Z094;
Resin Grinding Machine #5098, Ohio EPA emissions unit Z095;
Resin Grinding Machine #5099, Ohio EPA emissions unit Z096;
Parts Washer #1, Ohio EPA emissions unit Z097;
Parts Washer #2, Ohio EPA emissions unit Z098;
Parts Washer #3, Ohio EPA emissions unit Z099;
Pneumatic Conveying Line #1, Ohio EPA emissions unit Z100;
Pneumatic Conveying Line #2, Ohio EPA emissions unit Z101;
Pneumatic Conveying Line #3, Ohio EPA emissions unit Z102;
Pneumatic Conveying Line #4, Ohio EPA emissions unit Z103;
Pneumatic Conveying Line #5, Ohio EPA emissions unit Z104;
Whitlock Ribbon Blender, Ohio EPA emissions unit Z105;
Bin Loader (Resin from silos), Ohio EPA emissions unit Z106;
T & D Shot Blast (900 ACFM inside), Ohio EPA emissions unit Z107;
Oil Filter Cleaning Operation, Ohio EPA emissions unit Z108;
Line 1 Paint Dispensing Station, Ohio EPA emissions unit Z109;
Old Paint Rm - 55 Gal Solv Storage, Ohio EPA emissions unit Z111;
Old Paint Rm - 55 Gallon Drum Agit 1, Ohio EPA emissions unit Z112;
Old Paint Rm - 55 Gallon Drum Agit 2, Ohio EPA emissions unit Z113;
55 Gal Drum Agit - Feed to Booth #10, Ohio EPA emissions unit Z114;
Old Paint Room - Glue Mix Area, Ohio EPA emissions unit Z115;
Old Paint Rm - Paint Weighing Station, Ohio EPA emissions unit Z116;
New Paint Rm -5 Gal Pail Mixing Area, Ohio EPA emissions unit Z118;
PRI Model SC-200 Solvent Still, Ohio EPA emissions unit Z119;
New Paint Rm -55 Gal Drum Agit Area, Ohio EPA emissions unit Z120;
New Paint Rm - 55 Gal Solv Disp Area, Ohio EPA emissions unit Z121;
New Paint Rm - 55 Gal Waste Drums, Ohio EPA emissions unit Z122;
Infrared Oven #1 (with R011), Ohio EPA emissions unit Z124;
Infrared Oven #3 (with R047), Ohio EPA emissions unit Z126;
Infrared Oven #4 (with R055), Ohio EPA emissions unit Z127;
Vinyl Wrap Vacuum Forming, Ohio EPA emissions unit Z129;
Infra Oven 6 (with R015 & R020), Ohio EPA emissions unit Z132;
Solvent Wipe Cleaning, Ohio EPA emissions unit Z133;
Mold Press #33, Ohio EPA emissions unit Z134;
Mold Press #52, Ohio EPA emissions unit Z135;
Mold Press #57, Ohio EPA emissions unit Z136;
Resin Grinding Machine #5041, Ohio EPA emissions unit Z137;
Resin Grinding Machine #5042, Ohio EPA emissions unit Z138;
Resin Grinding Machine #5043, Ohio EPA emissions unit Z139;

Resin Grinding Machine #5055, Ohio EPA emissions unit Z140;
Mold Press #55, Ohio EPA emissions unit Z141;
Mold Press #56, Ohio EPA emissions unit Z142;
Resin Grinding Machine #5020, Ohio EPA emissions unit Z144;
Mold Press #48, Ohio EPA emissions unit Z145;
Mold Press #48, Ohio EPA emissions unit Z148;
Mold Press #13, Ohio EPA emissions unit Z149;
Mold Press #32, Ohio EPA emissions unit Z150;
Air Make-up Unit #9, Ohio EPA emissions unit Z151;
Air Make-up Unit #10, Ohio EPA emissions unit Z152;
Air Make-up Unit #11, Ohio EPA emissions unit Z153;
Air Make-up Unit #12, Ohio EPA emissions unit Z154;
Power Wash Line #2, Ohio EPA emissions unit Z155; and
Paint Weigh Station, Ohio EPA emissions unit Z156.

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: 0388010116 Emissions Unit ID: R009 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth 13 - Plastic Parts	OAC rule 3745-31-02 PTI # 03-7904	See A.I.2.a.
	OAC rule 3745-17-11(B)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B) and 3745-17-07(A). 0.551 lb/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)	none (See A.I.2.b.)

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 7.0 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.
- b. This facility is in Wyandot County; therefore, it is not located in a "Priority I" county as indicated in paragraph (A) of OAC rule 3745-21-06. Also, this emissions unit is not a "new source." Therefore, pursuant to OAC rule 3745-21-07(A), this emissions unit is exempt from the requirements of OAC rule 3745-21-07(G).

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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 each month for the coating line:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the volume, in gallons, of each coating and cleanup material employed;
 - c. the VOC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the VOC emissions from each coating and cleanup material employed (b x c), in pounds;
 - e. the total VOC emissions from all the coatings employed (summation of d for all coatings), in pounds;
 - f. the total VOC emissions from all the cleanup materials employed (summation of d for all cleanup materials), in pounds;
 - g. the total VOC emissions from all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rates from all the coatings and cleanup materials employed, in tons (the rolling, 12-month summation of VOC emission rates shall be calculated by adding the VOC emission rates for the preceding 11 months + the VOC emission rate for the current calendar month.)
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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 7.0 tons. The quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
7.0 tons VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the above limitation.

Any determination of the VOC content, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of the coating/cleanup material by Reference Method 24 or an equivalent or alternative method.
 - b. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

c. Emission Limitation:

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

Applicable Compliance Method:

If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

1. None

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B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R011 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth 5 - Plastic Parts	OAC rule 3745-31-02 PTI # 03-7904	See A.I.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B) and 3745-17-07(A).
	OAC rule 3745-17-11(B)	0.551 lb/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)	none (See A.I.2.b.)

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 7.0 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.
- b. This facility is in Wyandot County; therefore, it is not located in a "Priority I" county as indicated in paragraph (A) of OAC rule 3745-21-06. Also, this emissions unit is not a "new source." Therefore, pursuant to OAC rule 3745-21-07(A), this emissions unit is exempt from the requirements of OAC rule 3745-21-07(G).

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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 each month for the coating line:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the volume, in gallons, of each coating and cleanup material employed;
 - c. the VOC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the VOC emissions from each coating and cleanup material employed (b x c), in pounds;

- e. the total VOC emissions from all the coatings employed (summation of d for all coatings), in pounds;
 - f. the total VOC emissions from all the cleanup materials employed (summation of d for all cleanup materials), in pounds;
 - g. the total VOC emissions from all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rates from all the coatings and cleanup materials employed, in tons (the rolling, 12-month summation of VOC emission rates shall be calculated by adding the VOC emission rates for the preceding 11 months + the VOC emission rate for the current calendar month.)
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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 7.0 tons. The quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
7.0 tons VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the above limitation.

Any determination of the VOC content, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of the coating/cleanup material by Reference Method 24 or an equivalent or alternative method.
 - b. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - c. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R011 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0388010116 Emissions Unit ID: R020 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth 2 - Plastic Parts	OAC rule 3745-31-02 PTI # 03-7904	See A.I.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B) and 3745-17-07(A).
	OAC rule 3745-17-11(B)	0.551 lb/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)	none (See A.I.2.b.)

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 21 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.
- b. This facility is in Wyandot County; therefore, it is not located in a "Priority I" county as indicated in paragraph (A) of OAC rule 3745-21-06. Also, this emissions unit is not a "new source." Therefore, pursuant to OAC rule 3745-21-07(A), this emissions unit is exempt from the requirements of OAC rule 3745-21-07(G).

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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 each month for the coating line:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the volume, in gallons, of each coating and cleanup material employed;
 - c. the VOC content of each coating, as applied, and each cleanup material employed, in pounds per gallon;
 - d. the VOC emissions from each coating and cleanup material employed (b x c), in pounds;
 - e. the total VOC emissions from all the coatings employed (summation of d for all coatings), in pounds;
 - f. the total VOC emissions from all the cleanup materials employed (summation of d for all cleanup materials), in pounds;
 - g. the total VOC emissions from all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rates from all the coatings and cleanup materials employed, in tons (the rolling, 12-month summation of VOC emission rates shall be calculated by adding the VOC emission rates for the preceding 11 months + the VOC emission rate for the current calendar month.)
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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 21 tons. The quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
21.0 tons VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the above limitation.

Any determination of the VOC content, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of the coating/cleanup material by Reference Method 24 or an equivalent or alternative method.
 - b. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - c. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R020 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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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: 0388010116 Emissions Unit ID: R030 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

- 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>
Paint Spray Booth 8 - Plastic Parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive material (coating or cleanup), 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-11(B)	0.551 lb/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

- Additional Terms and Conditions**

- None

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- Operational Restrictions**

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

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- Monitoring and/or Record Keeping Requirements**

- The permittee shall collect and record the following information for each day for the coating operation:
 - The company identification for each coating and photochemically reactive cleanup material employed.
 - The number of gallons of each coating and photochemically reactive cleanup material employed.
 - The organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon.
 - For each day during which any photochemically reactive material (coating or cleanup) is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
 - For each day during which any photochemically reactive material (coating or cleanup) is employed, the total number of hours the emissions unit was in operation.
 - For each day during which any photochemically reactive material (coating or cleanup) is employed, the average hourly organic compound emission rate for all the coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).
- 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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- Reporting Requirements**

- The permittee shall notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
- The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - For the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual organic compound emissions for each such day.
 - For the days during which a photochemically reactive material was employed, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the limitations above.

Any determination of the OC content, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of the coating/cleanup material by Reference Method 24 or an equivalent or alternative method.
 - b. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

 $E = PE \text{ rate (lbs/hr)}$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - c. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R030 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

- | | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|----|---|--------------------------------------|--|
| 2. | Additional Terms and Conditions | | |
| 1. | None | | |

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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: 0388010116 Emissions Unit ID: R031 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth 9 - Plastic Parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive material (coating or cleanup), 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-11(B)	0.551 lb/hr particulate emissions (PE)
		Visible PE shall not exceed 20% opacity, as a six-

OAC rule 3745-17-07(A)

minute average, except as provided by rule.

2. Additional Terms and Conditions

- (a) None

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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:
- The company identification for each coating and photochemically reactive cleanup material employed.
 - The number of gallons of each coating and photochemically reactive cleanup material employed.
 - The organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon.
 - For each day during which any photochemically reactive material (coating or cleanup) is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
 - For each day during which any photochemically reactive material (coating or cleanup) is employed, the total number of hours the emissions unit was in operation.
 - For each day during which any photochemically reactive material (coating or cleanup) is employed, the average hourly organic compound emission rate for all the coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).
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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
- For the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual organic compound emissions for each such day.
 - For the days during which a photochemically reactive material was employed, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
- Emission Limitations:**
8 lbs OC per hr, 40 lbs OC per day
- Applicable Compliance Method:**
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the limitations above.
- Any determination of the OC content, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of the coating/cleanup

material by Reference Method 24 or an equivalent or alternative method.

- b. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = PE \text{ rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

- c. Emission Limitation:

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

Applicable Compliance Method:

If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0388010116 Emissions Unit ID: R031 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2.	Additional Terms and Conditions		
1.	None		

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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: 0388010116 Emissions Unit ID: R041 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth V1 (Line 2) - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day.
	OAC rule 3745-31-05 (PTI 03-9403)	See A.II.2. On any day when no photochemically reactive coatings are employed, 90 lbs OC per day, including cleanup.
		See A.I.2.a. 0.12 lb/hr particulate emissions (PE)
	OAC rule 3745-17-11(B)(1)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).
	OAC rule 3745-17-07(A)	See A.I.2.b. Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of OC from this emissions unit shall not exceed 2.0 tons per year, based upon a rolling, 12-month summation of the monthly OC emission rates.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

- c. For purposes of calculating OC emissions from this spray booth (emissions unit R041) to show compliance with the OC emission limitations of 8 lbs/hr and 40 lbs/day, it is assumed that 100% of the total OCs employed in this emissions unit are emitted in this emissions.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the OC content of each coating employed, in pounds per gallon;
 - e. the total OC emission rate for each coating employed, in pounds;
 - f. the total OC emission rate for all the coatings employed (summation of e for all coatings), in pounds;
 - g. for each day during which any photochemically reactive coating is employed, the total OC emission rate for each coating employed, in pounds;
 - h. for each day during which any photochemically reactive coating is employed, the total OC emission rate for all the coatings employed (summation of g for all coatings), in pounds;
 - i. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - j. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings employed, i.e., (h)/(i), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate for each cleanup material employed (b x c), in tons;
 - e. the total OC emission rate for all the cleanup materials employed (summation of d), in tons;
 - f. the total OC emission rate for all the coatings employed, in tons (the monthly OC emissions for all coatings shall be sum of the daily OC emission rates, from section A.III.1.f, for the calendar month divided by 2000);
 - g. the total OC emission rate for all the coatings and cleanup materials employed (e + f), in tons; and
 - h. the rolling, 12-month OC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total OC emission rate for all the cleanup materials employed, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation; and
 - c. the average daily OC emission rate for all cleanup materials employed, i.e., (a/b), in pounds/day (average).
4. The permittee shall collect and record the following information each day for the coating operation:
 - a. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings employed (from A.III.1.f), in pounds; and
 - b. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings and cleanup materials employed (A.III.3.c + A.III.4.a), in pounds.
5. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month OC emission limitation of 2.0 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily organic compound emissions from this emissions unit exceeded 90 pounds, and the actual daily organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall submit annual reports that specify the actual annual OC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

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

on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitations:

on any day when no photochemically reactive coatings are employed, 90 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in sections A.III.2, 3 and 4 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:

2.0 tons of OC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 and 2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitation:

0.12 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:
$$E = \text{PE rate (lbs/hr)}$$

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 99%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(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: 0388010116 Emissions Unit ID: R041 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	Paint Spray Booth VI (Line 2) - Plastic Parts	none	none
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. The permit to install for this emissions unit was evaluated based on the actual materials (coatings and cleanup materials) specified by the permittee in the permit to install application. The emission limitations specified in this permit were established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and are based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model (or other Ohio EPA approved model) and compared the

predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: EGBE (2-Butoxyethanol)

TLV (ug/m3): 121,000

Maximum Hourly Emission Rate (lbs/hr): 21

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 555

MAGLC (ug/m3): 2881

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the Air Toxic Policy is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the Air Toxic Policy will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the Air Toxic Policy will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that a changed emissions unit will still satisfy the Air Toxic Policy:
- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the Air Toxic Policy; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

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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: 0388010116 Emissions Unit ID: R042 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth V2 (Line 2) - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day.
	OAC rule 3745-31-05 (PTI 03-9403)	See A.II.2. On any day when no photochemically reactive coatings are employed, 90 lbs OC per day, including cleanup.
		See A.I.2.a. 0.12 lb/hr particulate emissions (PE)
	OAC rule 3745-17-11(B)(1)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).
	OAC rule 3745-17-07(A)	See A.I.2.b. Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of OC from this emissions unit shall not exceed 7.0 tons per year, based upon a rolling, 12-month summation of the monthly OC emission rates.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. For purposes of calculating OC emissions from this spray booth (emissions unit R042) to show compliance with the OC emission limitations of 8 lbs/hr and 40 lbs/day, it is assumed that 100% of the total OCs employed in this emissions unit are emitted in this emissions.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the OC content of each coating employed, in pounds per gallon;
 - e. the total OC emission rate for each coating employed, in pounds;
 - f. the total OC emission rate for all the coatings employed (summation of e for all coatings), in pounds;
 - g. for each day during which any photochemically reactive coating is employed, the total OC emission rate for each coating employed, in pounds;

- h. for each day during which any photochemically reactive coating is employed, the total OC emission rate for all the coatings employed (summation of g for all coatings), in pounds;
 - i. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - j. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings employed, i.e., (h)/(i), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate for each cleanup material employed (b x c), in tons;
 - e. the total OC emission rate for all the cleanup materials employed (summation of d), in tons;
 - f. the total OC emission rate for all the coatings employed, in tons (the monthly OC emissions for all coatings shall be sum of the daily OC emission rates, from section A.III.1.f, for the calendar month divided by 2000);
 - g. the total OC emission rate for all the coatings and cleanup materials employed (e + f), in tons; and
 - h. the rolling, 12-month OC emission rate for all the coatings and cleanup materials, in tons.
 3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total OC emission rate for all the cleanup materials employed, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation; and
 - c. the average daily OC emission rate for all cleanup materials employed, i.e., (a/b), in pounds/day (average).
 4. The permittee shall collect and record the following information each day for the coating operation:
 - a. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings employed (from A.III.1.f), in pounds; and
 - b. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings and cleanup materials employed (A.III.3.c + A.III.4.a), in pounds.
 5. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month OC emission limitation of 7.0 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily organic compound emissions from this emissions unit exceeded 90 pounds, and the actual daily organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall submit annual reports that specify the actual annual OC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitations:
on any day when no photochemically reactive coatings are employed, 90 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in sections A.III.2, 3 and 4 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:
7.0 tons of OC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 and 2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitation:
0.12 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 99%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - e. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(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: 0388010116 Emissions Unit ID: R042 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth V2 (Line 2) - Plastic Parts	none	none
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. The permit to install for this emissions unit was evaluated based on the actual materials (coatings and cleanup materials) specified by the permittee in the permit to install application. The emission limitations specified in this permit were established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and are based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model (or other Ohio EPA approved model) and compared the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: EGBE (2-Butoxyethanol)

TLV (ug/m3): 121,000

Maximum Hourly Emission Rate (lbs/hr): 21

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 555

MAGLC (ug/m3): 2881

- 2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the Air Toxic Policy is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the Air Toxic Policy will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the Air Toxic Policy will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that a changed emissions unit will still satisfy the Air Toxic Policy:
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the Air Toxic Policy; and
 - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

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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: 0388010116 Emissions Unit ID: R043 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth V3 (Line 2) - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day.
	OAC rule 3745-31-05 (PTI 03-9403)	See A.II.2. On any day when no photochemically reactive coatings are employed, 90 lbs OC per day, including cleanup.
		See A.I.2.a. 0.12 lb/hr particulate emissions (PE)
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).
	OAC rule 3745-17-11(B)(1)	See A.I.2.b.
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-

minute average, except as provided by rule.

2. **Additional Terms and Conditions**

- a. The emissions of OC from this emissions unit shall not exceed 7.0 tons per year, based upon a rolling, 12-month summation of the monthly OC emission rates.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. For purposes of calculating OC emissions from this spray booth (emissions unit R042) to show compliance with the OC emission limitations of 8 lbs/hr and 40 lbs/day, it is assumed that 100% of the total OC employed in this emissions unit are emitted in this emissions.

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II. **Operational Restrictions**

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the OC content of each coating employed, in pounds per gallon;
 - e. the total OC emission rate for each coating employed, in pounds;
 - f. the total OC emission rate for all the coatings employed (summation of e for all coatings), in pounds;
 - g. for each day during which any photochemically reactive coating is employed, the total OC emission rate for each coating employed, in pounds;
 - h. for each day during which any photochemically reactive coating is employed, the total OC emission rate for all the coatings employed (summation of g for all coatings), in pounds;
 - i. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - j. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings employed, i.e., (h)/(i), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate for each cleanup material employed (b x c), in tons;
 - e. the total OC emission rate for all the cleanup materials employed (summation of d), in tons;
 - f. the total OC emission rate for all the coatings employed, in tons (the monthly OC emissions for all coatings shall be sum of the daily OC emission rates, from section A.III.1.f, for the calendar month divided by 2000);
 - g. the total OC emission rate for all the coatings and cleanup materials employed (e + f), in tons; and
 - h. the rolling, 12-month OC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total OC emission rate for all the cleanup materials employed, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation; and
 - c. the average daily OC emission rate for all cleanup materials employed, i.e., (a/b), in pounds/day (average).

4. The permittee shall collect and record the following information each day for the coating operation:
 - a. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings employed (from A.III.1.f), in pounds; and
 - b. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings and cleanup materials employed (A.III.3.c + A.III.4.a), in pounds.
5. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month OC emission limitation of 7.0 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily organic compound emissions from this emissions unit exceeded 90 pounds, and the actual daily organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall submit annual reports that specify the actual annual OC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

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

on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitations:

on any day when no photochemically reactive coatings are employed, 90 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in sections A.III.2, 3 and 4 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:

7.0 tons of OC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 and 2 of this permit shall be used to determine compliance with the above emission limitation above.

- d. Emission Limitation:
0.12 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 99%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(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: 0388010116 Emissions Unit ID: R043 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth V3 (Line 2) - Plastic Parts	none	none
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. The permit to install for this emissions unit was evaluated based on the actual materials (coatings and cleanup materials) specified by the permittee in the permit to install application. The emission limitations specified in this permit were established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and are based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model (or other Ohio EPA approved model) and compared the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: EGBE (2-Butoxyethanol)

TLV (ug/m3): 121,000

Maximum Hourly Emission Rate (lbs/hr): 21

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 555

MAGLC (ug/m3): 2881
2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the Air Toxic Policy is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the Air Toxic Policy will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
 - a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
 - c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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

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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: 0388010116 Emissions Unit ID: R044 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth V4 (Line 2) - Plastic Parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day.
	OAC rule 3745-31-05 (PTI 03-9403)	See A.II.2. On any day when no photochemically reactive coatings are employed, 90 lbs OC per day, including cleanup.
		See A.I.2.a. 0.12 lb/hr particulate emissions (PE) The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	See A.I.2.b. Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of OC from this emissions unit shall not exceed 7.0 tons per year, based upon a rolling, 12-month summation of the monthly OC emission rates.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. For purposes of calculating OC emissions from this spray booth (emissions unit R042) to show compliance with the OC emission limitations of 8 lbs/hr and 40 lbs/day, it is assumed that 100% of the total OC employed in this emissions unit are emitted in this emissions.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;

- c. the number of gallons of each coating employed;
 - d. the OC content of each coating employed, in pounds per gallon;
 - e. the total OC emission rate for each coating employed, in pounds;
 - f. the total OC emission rate for all the coatings employed (summation of e for all coatings), in pounds;
 - g. for each day during which any photochemically reactive coating is employed, the total OC emission rate for each coating employed, in pounds;
 - h. for each day during which any photochemically reactive coating is employed, the total OC emission rate for all the coatings employed (summation of g for all coatings), in pounds;
 - i. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - j. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings employed, i.e., (h)/(i), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate for each cleanup material employed (b x c), in tons;
 - e. the total OC emission rate for all the cleanup materials employed (summation of d), in tons;
 - f. the total OC emission rate for all the coatings employed, in tons (the monthly OC emissions for all coatings shall be sum of the daily OC emission rates, from section A.III.1.f, for the calendar month divided by 2000);
 - g. the total OC emission rate for all the coatings and cleanup materials employed (e + f), in tons; and
 - h. the rolling, 12-month OC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total OC emission rate for all the cleanup materials employed, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation; and
 - c. the average daily OC emission rate for all cleanup materials employed, i.e., (a/b), in pounds/day (average).
4. The permittee shall collect and record the following information each day for the coating operation:
 - a. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings employed (from A.III.1.f), in pounds; and
 - b. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings and cleanup materials employed (A.III.3.c + A.III.4.a), in pounds.
5. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month OC emission limitation of 7.0 tons.

- The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily organic compound emissions from this emissions unit exceeded 90 pounds, and the actual daily organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
 5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
 6. The permittee shall submit annual reports that specify the actual annual OC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitations:
on any day when no photochemically reactive coatings are employed, 90 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in sections A.III.2, 3 and 4 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:
7.0 tons of OC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.1 and 2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitation:
0.12 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 99%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - e. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(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: 0388010116 Emissions Unit ID: R044 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth V4 (Line 2) - Plastic Parts	none	none
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. The permit to install for this emissions unit was evaluated based on the actual materials (coatings and cleanup materials) specified by the permittee in the permit to install application. The emission limitations specified in this permit were established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and are based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model (or other Ohio EPA approved model) and compared the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: EGBE (2-Butoxyethanol)
 TLV (ug/m3): 121,000
 Maximum Hourly Emission Rate (lbs/hr): 21
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 555
 MAGLC (ug/m3): 2881

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the Air Toxic Policy is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the Air Toxic Policy will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in

emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the Air Toxic Policy will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

- 3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that a changed emissions unit will still satisfy the Air Toxic Policy:
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the Air Toxic Policy; and
 - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

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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: 0388010116 Emissions Unit ID: R045 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth V5 (Line 2) - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day.
	OAC rule 3745-31-05 (PTI 03-9403)	See A.II.2. On any day when no photochemically reactive coatings are employed, 90 lbs OC per day, including cleanup.

See A.I.2.a.

0.12 lb/hr particulate emissions (PE)

The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).

See A.I.2.b.

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

OAC rule 3745-17-11(B)(1)

OAC rule 3745-17-07(A)

2. Additional Terms and Conditions

- a. The emissions of OC from this emissions unit shall not exceed 7.0 tons per year, based upon a rolling, 12-month summation of the monthly OC emission rates.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the OC content of each coating employed, in pounds per gallon;
 - e. the total potential (prior to applying the booth/oven "split") OC emission rate for each coating employed, in pounds;
 - f. the total potential (prior to applying the booth/oven "split") OC emission rate for all the coatings employed (summation of e for all coatings), in pounds;
 - g. the total potential OC emission rate for all the coatings employed (summation of e for all coatings) multiplied by the maximum percentage of the emissions associated with this emissions unit (as defined in condition A.III.6 of this permit), in pounds;
 - h. for each day during which any photochemically reactive coating is employed, the total potential (prior to applying the booth/oven "split") OC emission rate for each coating employed, in pounds;
 - i. for each day during which any photochemically reactive coating is employed, the total potential (prior to applying the booth/oven "split") OC emission rate for all the coatings employed (summation of h for all coatings), in pounds;
 - j. for each day during which any photochemically reactive material is employed, the total potential OC emission rate for all the coatings employed (summation of h for all coatings) multiplied by the maximum percentage of the emissions associated with this emissions unit (as defined in condition A.III.6 of this permit), in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings employed, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate for each cleanup material employed (b x c), in tons;
 - e. the total OC emission rate for all the cleanup materials employed (summation of d), in tons;

- f. the total OC emission rate for all the coatings employed, in tons (the monthly OC emissions for all coatings shall be sum of the daily OC emission rates, from section A.III.1.g, for the calendar month divided by 2000);
 - g. the total OC emission rate for all the coatings and cleanup materials employed (e + f), in tons; and
 - h. the rolling, 12-month OC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total OC emission rate for all the cleanup materials employed, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation; and
 - c. the average daily OC emission rate for all cleanup materials employed, i.e., (a/b), in pounds/day (average).
 4. The permittee shall collect and record the following information each day for the coating operation:
 - a. for each day during which no photochemically reactive materials are employed, the total potential (prior to applying the booth/oven "split") OC emission rate for all the coatings employed, in pounds;
 - b. for each day during which no photochemically reactive materials are employed, the total potential (prior to applying the booth/oven "split") OC emission rate for all the coatings employed (from section A.III.4.a) multiplied by the maximum percentage of the emissions associated with this emissions unit (as defined in condition A.III.6 of this permit) , in pounds; and
 - c. for each day during which no photochemically reactive materials are employed, the total OC emission rate for all the coatings and cleanup materials employed (A.III.3.c + A.III.4.b), in pounds.
 5. 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.
 6. For purposes of calculating the organic compound emission rates for this emissions unit and the associated oven (P004), the permittee shall utilize a value of % by weight that is based on the results of the booth/oven split testing required in section II.A.5 for emissions unit P004 and is representative of the maximum percentage of the organic compounds employed in the spray booth (emissions unit R045) that is emitted uncontrolled from the spray booth. The remaining percentage of the organic compounds employed in the spray booth shall be considered to be the uncontrolled emissions for emissions unit P004.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month OC emission limitation of 7.0 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily organic compound emissions from this emissions unit exceeded 90 pounds, and the actual daily organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall submit annual reports that specify the actual annual OC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitations:
on any day when no photochemically reactive coatings are employed, 90 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in sections A.III.1, 2, 3 and 4 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitations:
7.0 tons of OC per year

Applicable Compliance Method:
The record keeping requirements in sections A.III.1 and 2 of this permit shall be used to determine compliance with the emission limitation above.
 - d. Emission Limitation:
0.12 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 99%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - e. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(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: 0388010116 Emissions Unit ID: R045 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint Spray Booth V5 (Line 2) - Plastic Parts	none	none

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. The permit to install for this emissions unit was evaluated based on the actual materials (coatings and cleanup materials) specified by the permittee in the permit to install application. The emission limitations specified in this permit were established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and are based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model (or other Ohio EPA approved model) and compared the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: EGBE (2-Butoxyethanol)

TLV (ug/m3): 121,000

Maximum Hourly Emission Rate (lbs/hr): 21

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 555

MAGLC (ug/m3): 2881

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the Air Toxic Policy is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the Air Toxic Policy will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the Air Toxic Policy will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that a changed emissions unit will still satisfy the Air Toxic Policy:
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the Air Toxic Policy; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

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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: 0388010116 Emissions Unit ID: R046 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Coating Spray Booth A1- Plastic Parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day.
	OAC rule 3745-31-05 (PTI 03-10009)	See A.II.2. On any day when no photochemically reactive coatings are employed, 197.8 lbs OC per day, including cleanup.
		See A.I.2.a. 0.12 lb/hr particulate emissions (PE)
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).
	OAC rule 3745-17-11(B)(1)	See A.I.2.b.
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of OC from this emissions unit shall not exceed 36.1 tons per year, based upon a rolling, 12-month summation of the monthly OC emission rates.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established

pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the OC content of each coating employed, in pounds per gallon;
 - e. the total OC emission rate for each coating employed (c x d), in pounds;
 - f. the total OC emission rate for all the coatings employed (summation of e for all coatings), in pounds;
 - g. for each day during which any photochemically reactive coating is employed, the total OC emission rate for each coating employed (c x d), in pounds;
 - h. for each day during which any photochemically reactive coating is employed, the total OC emission rate for all the coatings employed (summation of g for all coatings), in pounds;
 - i. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - j. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings employed, i.e., (h)/(i), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate for each cleanup material employed (b x c), in tons;
 - e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials), in tons;
 - f. the total OC emission rate for all the coatings employed, in tons (the monthly OC emissions for all the coatings shall be sum of the daily OC emission rates, from section A.III.1.f, for the calendar month, divided by 2000);
 - g. the total OC emission rate for all the coatings and cleanup materials employed (e + f), in tons; and
 - h. the rolling, 12-month OC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total OC emission rate for all the cleanup materials employed, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation; and
 - c. the average daily OC emission rate for all cleanup materials employed, i.e., (a/b), in pounds/day (average).
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest

District Office) within 30 days after the event occurs.

2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month OC emission limitation of 36.1 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily organic compound emissions from this emissions unit exceeded 197.8 pounds, and the actual daily organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall submit annual reports that specify the actual annual OC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

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

on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:

on any day when no photochemically reactive coatings are employed, 197.8 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.4 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:

36.1 tons of OC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the emission limitation above.
 - d. Emission Limitation:

0.12 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 99%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(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: 0388010116 Emissions Unit ID: R046 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Adhesive Spray Booth A1- Plastic Parts	none	none
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. The permit to install for this emissions unit was evaluated based on the actual materials (coatings and cleanup materials) specified by the permittee in the permit to install application. The emission limitations specified in this permit were established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and are based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model (or other Ohio EPA approved model) and compared the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: EGBE (2-Butoxyethanol)

TLV (ug/m3): 121,000

Maximum Hourly Emission Rate (lbs/hr): 21

Predicted 1-Hour Maximum Ground-Level

Concentration (ug/m3): 555

MAGLC (ug/m3): 2881

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

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

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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: 0388010116 Emissions Unit ID: R047 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 14 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup 4.6 lbs VOC per day, for cleanup materials 6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average) 6.71 lbs VOC/gallon of cleanup material See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G). 0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	

2. **Additional Terms and Conditions**

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. **Operational Restrictions**

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and

1. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:
9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = PE \text{ rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - f. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R047 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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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: 0388010116 Emissions Unit ID: R048 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 3 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup 4.6 lbs VOC per day, for cleanup materials 6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average) 6.71 lbs VOC/gallon of cleanup material See A.1.2.a.
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G). 0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;

- j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
- 2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
- 3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
- 4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
- 2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
- 6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio

EPA, Northwest District Office) within 45 days after the exceedance occurs.

7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:
9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = PE \text{ rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - f. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0388010116 Emissions Unit ID: R048 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R049 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 1 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup 4.6 lbs VOC per day, for cleanup materials 6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average) 6.71 lbs VOC/gallon of cleanup material
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G). 0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;

- h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
- 2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
- 3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
- 4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
- 2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically

reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:
9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - f. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R049 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R050 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 6 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup 4.6 lbs VOC per day, for cleanup materials 6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average) 6.71 lbs VOC/gallon of cleanup material
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G). 0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;

- e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
- a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
- a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:
9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
 - f. Emission Limitation:

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R050 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R051 Issuance type: Title V Final Permit

A. **State and Federally Enforceable Section**

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 7 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup 4.6 lbs VOC per day, for cleanup materials 6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average) 6.71 lbs VOC/gallon of cleanup material See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G).
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. **Additional Terms and Conditions**

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. **Operational Restrictions**

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;

- b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
- a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
- a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
- 2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and

Conditions of this permit.

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:
9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

$$E = \text{PE rate (lbs/hr)}$$

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

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
- 2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0388010116 Emissions Unit ID: R051 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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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: 0388010116 Emissions Unit ID: R052 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 12 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup 4.6 lbs VOC per day, for cleanup materials 6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average) 6.71 lbs VOC/gallon of cleanup material See A.1.2.a.
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G). 0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. **Additional Terms and Conditions**

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. **Operational Restrictions**

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.

7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. **Testing Requirements**

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

- a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.

- b. Emission Limitation:
4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.

- c. Emission Limitation:
9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.

- d. Emission Limitations:
6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.

- e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint

spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

f. Emission Limitation:

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

Applicable Compliance Method:

If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R052 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R053 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

1. None.

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 1 (Line 1)- plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 186 lbs volatile organic compounds (VOC) per day, including cleanup
		2.15 lbs VOC/gallon of coating (based upon a daily, volume-weighted average) See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G)(2).
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. **Additional Terms and Conditions**

- a. The emissions of VOC from this emissions unit shall not exceed 11.8 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. **Operational Restrictions**

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

2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 11.8 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emissions from this emissions unit exceeded 186 pounds, and the actual daily volatile organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 2.15 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
on any day when no photochemically reactive coatings are employed, 186 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:
11.8 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
2.15 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

Applicable Compliance Method:
The record keeping requirements in section A.III.1.e of this permit shall be used to determine compliance with the VOC content limitation above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
- 2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0388010116 Emissions Unit ID: R053 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R054 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 2 (Line 1)- plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 186 lbs volatile organic compounds (VOC) per day, including cleanup
		2.15 lbs VOC/gallon of coating (based upon a daily, volume-weighted average) See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G)(2).
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 11.8 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. Operational Restrictions

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

2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 11.8 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emissions from this emissions unit exceeded 186 pounds, and the actual daily volatile organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 2.15 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
on any day when no photochemically reactive coatings are employed, 186 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:
11.8 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
2.15 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

Applicable Compliance Method:
The record keeping requirements in section A.III.1.e of this permit shall be used to determine compliance with the VOC content limitation above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
- 2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0388010116 Emissions Unit ID: R054 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R055 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 10 (Line 1)- plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-31-05 (PTI 03-7904)	See A.II.2. On any day when no photochemically reactive coatings are employed, 186 lbs volatile organic compounds (VOC) per day, including cleanup
		2.15 lbs VOC/gallon of coating (based upon a daily, volume-weighted average) See A.1.2.a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G)(2).
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)	0.551 lb/hr particulate emissions (PE) Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 11.8 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. Operational Restrictions

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

2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 11.8 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emissions from this emissions unit exceeded 186 pounds, and the actual daily volatile organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 2.15 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:
on any day when no photochemically reactive coatings are employed, 186 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitations above.
 - c. Emission Limitations:
11.8 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:
2.15 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

Applicable Compliance Method:
The record keeping requirements in section A.III.1.e of this permit shall be used to determine compliance with the VOC content limitation above.
 - e. Emission Limitation:
0.551 lb/hr PE

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)

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 (40% considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 95%)

If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

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

Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
- 2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0388010116 Emissions Unit ID: R055 Issuance type: Title V Final Permit

B. State Enforceable Section

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

- 1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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: 0388010116 Emissions Unit ID: R056 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

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

- 1. None.

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth 4 - plastic parts	OAC rule 3745-21-07(G)(2)	On any day when employing a photochemically reactive coating, 8 lbs organic compounds (OC) per hr, 40 lbs OC per day
		See A.II.2.
	OAC rule 3745-31-05 (PTI 03-7904)	On any day when no photochemically reactive coatings are employed, 558 lbs volatile organic compounds (VOC) per day, including cleanup
		4.6 lbs VOC per day, for cleanup materials
		6.4 lbs VOC/gallon of coating (based upon a daily volume-weighted average)
		6.71 lbs VOC/gallon of cleanup material
		See A.1.2.a.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B) and 3745-21-07(G).
	OAC rule 3745-17-11(B)(1)	0.551 lb/hr particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The emissions of VOC from this emissions unit shall not exceed 9.64 tons per year, based upon a rolling, 12-month summation of the monthly VOC emission rates.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The permittee shall not employ any cleanup material in this emissions unit which is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether or not each coating and each cleanup material employed is a photochemically reactive material;
 - c. the number of gallons of each coating employed;
 - d. the VOC content of each coating, in pounds per gallon;
 - e. the daily, volume-weighted average VOC content of all the coatings (pounds VOC/gallon of coating), as applied, calculated in accordance with the equation specified in OAC rule 3745-21-10 (B)(9) for CVOC,2;
 - f. the total VOC emission rate for each coating, in pounds;
 - g. the total VOC emission rate for all the coatings, in pounds;
 - h. for each day during which a photochemically reactive coating is employed, the OC content of each coating, in pounds per gallon;
 - i. for each day during which a photochemically reactive coating is employed, the total OC emission rate for each coating, in pounds;
 - j. for each day during which a photochemically reactive material is employed, the total OC emission rate for all the coatings, in pounds;
 - k. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - l. for each day during which a photochemically reactive material is employed, the average hourly OC emission rate for all the coatings, i.e., (j)/(k), in pounds per hour (average).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the VOC content of each cleanup material, in pounds per gallon;
 - d. the VOC emission rate for each cleanup material (b x c), in tons;
 - e. the total VOC emission rate for all the cleanup materials (summation of d for all cleanup materials), in tons;
 - f. the total VOC emission rate for all the coatings, in tons (the monthly VOC emissions for all coatings shall be sum of the daily VOC emission rates, from section A.III.1.g, for the calendar month, divided by 2000);
 - g. the total VOC emission rate for all the coatings and cleanup materials (e + f), in tons; and
 - h. the rolling, 12-month VOC emission rate for all the coatings and cleanup materials, in tons.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the total VOC emission rate for all the cleanup materials, from A.III.2.e, in pounds;
 - b. the total number of days the emissions unit was in operation;
 - c. the average daily VOC emission rate for all cleanup materials, i.e., (a/b), in pounds/day (average); and
 - d. for each day during which no photochemically reactive materials are employed, the total VOC emission rate for all coatings and cleanup materials (A.III.1.g + A.III.3.c), in pounds.
4. 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 notify the Director (the Ohio EPA, Northwest District Office) 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 Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

2. The permittee shall submit quarterly deviation (excursion) reports that 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 organic compound emissions from this emissions unit exceeded 8 pounds per hour, and the actual organic compound 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 organic compound emissions from this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month VOC emission limitation of 9.64 tons.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily volatile organic compound emission rate from this emissions unit exceeded 558 pounds, and the actual daily volatile organic compound emission rate for each such day.

The deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.
6. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the daily, volume-weighted average VOC content of all the coatings exceeded the limitation of 6.4 lbs/gallon. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.
7. The permittee shall submit annual reports that specify the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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V. Testing Requirements

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

on any day when employing a photochemically reactive coating, 8 lbs OC per hr, 40 lbs OC per day

Applicable Compliance Method:
The record keeping requirements in section A.III.1 of this permit shall be used to determine compliance with the emission limitations above.
 - b. Emission Limitation:

4.6 lbs VOC per day, for cleanup materials

on any day when no photochemically reactive coatings are employed, 558 lbs VOC per day, including cleanup

Applicable Compliance Method:
The record keeping requirements in section A.III.3 of this permit shall be used to determine compliance with the emission limitation above.
 - c. Emission Limitation:

9.64 tons of VOC per year

Applicable Compliance Method:
The record keeping requirements in section A.III.2 of this permit shall be used to determine compliance with the above emission limitation above.
 - d. Emission Limitations:

6.4 lbs VOC/gallon of coating (based upon a daily, volume-weighted average)

6.71 lbs VOC/gallon of cleanup material

Applicable Compliance Method:
The record keeping requirements in sections A.III.1.e and A.III.2.c of this permit shall be used to determine compliance with the VOC content limitations above.

- e. Emission Limitation:
0.551 lb/hr PE
- Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation:
- $$E = PE \text{ rate (lbs/hr)}$$
- E = maximum coating solids usage rate, in pounds per hour X (1-TE) X (1-CE)
- 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 (40% considering 40 CFR 60.453)
- CE = control efficiency of the control equipment (assumed to be 95%)
- If required, the permittee shall demonstrate compliance with the PE limitation above pursuant to OAC rule 3745-17-03(B)(10).
- f. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
- Applicable Compliance Method:
If required, the permittee shall determine compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).
2. Formulation data or USEPA Method 24 shall be used to determine the VOC/OC contents of the coatings and cleanup materials.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0388010116 Emissions Unit ID: R056 Issuance type: Title V Final Permit

B. State Enforceable Section

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

1. None.

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

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

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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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