

Facility ID: 0322020042 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.

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

### b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:  
9.75 mmBtu/hour boiler (B005); 9.75 mmBtu/hour boiler (B006); 9.75 mmBtu/hour boiler (B007); 9.75 mmBtu/hour boiler (B008); 9.75 mmBtu/hour boiler (B009); 9.75 mmBtu/hour boiler (B010); 9.75 mmBtu/hour boiler (B011); 9.75 mmBtu/hour boiler (B012); 9.75 mmBtu/hour boiler (B013); 9.75 mmBtu/hour boiler (B014); 9.75 mmBtu/hour boiler (B015); 9.75 mmBtu/hour boiler (B016); 9.75 mmBtu/hour boiler (B017); 9.75 mmBtu/hour boiler (B018); 9.75 mmBtu/hour boiler (B019); 9.75 mmBtu/hour boiler (B020); 1.25 mmBtu/hour boiler (B021); 1.25 mmBtu/hour boiler (B022); 1.25 mmBtu/hour boiler (B023); 2.25 mmBtu/hour boiler (B024); 5.75 mmBtu/hour boiler (B025); 9.25 mmBtu/hour boiler (B026); 3.00 mmBtu/hour boiler (B027); 4.5 mmBtu/hour boiler (B028); diesel fuel and gasoline storage tanks/dispensing facility (G001); pyrolysis cleaning oven (N001); carbon canister (P051); ASEA urethane (P052); ASEA urethane (P053); ASEA urethane (P054); ASEA adhesive (R028); ASEA adhesive (R029); ASEA adhesive (R030); ASEA adhesive (R031); ASEA adhesive (R032); ASEA adhesive (R033); ASEA adhesive (R034); ASEA adhesive (R035); ASEA adhesive (R036); ASEA adhesive (R037); ASEA adhesive (R039); ASEA adhesive (R040); ASEA adhesive (R042); ASEA adhesive (R043); ASEA adhesive (R044); ASEA adhesive (R045); ASEA adhesive (R046); ASEA adhesive (R047); ASEA adhesive (R055); ASEA adhesive (R056); hand sealant application (Z001); paint kitchen (Z002); hot butyl sealant application (Z003); carbon cannister (Z004); maintenance parts cleaners (Z005); and diesel-fired water pumps (Z006).

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

- [Go to Part III for Emissions Unit B004](#)
- [Go to Part III for Emissions Unit P056](#)
- [Go to Part III for Emissions Unit R022](#)
- [Go to Part III for Emissions Unit R027](#)
- [Go to Part III for Emissions Unit R050](#)
- [Go to Part III for Emissions Unit R051](#)
- [Go to Part III for Emissions Unit R054](#)

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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

Facility ID: 0322020042 Emissions Unit ID: B004 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>
77 mmBtu/hour, natural gas-fired boiler with number 2 fuel oil as back-up	OAC rule 3745-17-10(B)(1)	0.020 pound particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-18-06(D)	1.6 pounds sulfur dioxide/mmBtu of actual heat input

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

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

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

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

**II. Operational Restrictions**

1. The quality of oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs of sulfur dioxide/mmBtu of actual heat input.
2. The permittee shall burn only natural gas and/or number 2 fuel oil in this emissions unit.

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

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

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

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

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

2. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the

permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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

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

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

**IV. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide limitation specified in Section A.1 of this permit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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

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

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

**V. Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
0.020 lb PE/mmBtu of actual heat input  
  
Applicable Compliance Method:  
When firing natural gas, the permittee may determine compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).  
  
When firing number two fuel oil, and/or a combination of number two fuel oil and natural gas, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).  
  
If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).
  - b. Emission Limitation:  
Visible emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.  
  
Applicable Compliance Method:  
If required, compliance with the visible emissions limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
  - c. Emission Limitation: 1.6 pounds sulfur dioxide/mmBtu of actual heat input  
  
Applicable Compliance Method: When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation may demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.  
  
If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month.  
  
When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.  
  
If required, compliance with the limitation above shall be determined in accordance with Method 6 of 40 CFR, Part 60, Appendix A.

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

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

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

**VI. Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 Emissions Unit ID: B004 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>
<b>2. Additional Terms and Conditions</b>			
1.	None		

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

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

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

**II. Operational Restrictions**

- 1. None

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

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

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

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

- 1. None

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

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

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

**IV. Reporting Requirements**

- 1. None

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

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

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

**V. Testing Requirements**

- 1. None

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

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

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

**VI. Miscellaneous Requirements**

- 1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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

Facility ID: 0322020042 Emissions Unit ID: P056 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>
thermal cure oven associated with dual coating spray booth (emissions unit R054)	OAC rule 3745-21-07(G)(1)  OAC rule 3745-31-05 PTI No. 03-9956	3.0 pounds/hr and 15.0 pounds/day of organic compounds (OC)  See section A.I.2.a of the terms and conditions of this permit.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(1).

2. **Additional Terms and Conditions**

- a. The OC emissions from emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined shall not exceed 235.6 tons/year, based upon a rolling, 365-day summation of the daily OC emission rates.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

1. The permittee shall collect and record the following information for each day for emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined:
  - a. For all coatings employed:
    - i. the company identification of each coating employed;
    - ii. the quantity of each coating employed, in gallons;
    - iii. the OC content of each coating employed, in pounds/gallon;
    - iv. the OC emissions from each coating employed, in pounds [the product of 1.a.ii and 1.a.iii]; and
    - v. the total OC emissions from all the coatings employed, in pounds [summation of 1.a.iv for all coatings].
  - b. For all cleanup materials employed :
    - i. the company identification of each cleanup material\* employed;
    - ii. the quantity of each cleanup material employed, in gallons;
    - iii. the OC content of each cleanup material employed, in pounds/gallon;
    - iv. the OC emissions from each cleanup material employed, in pounds [product of 1.b.ii and 1.b.iii]; and
    - v. the total OC emissions from all the cleanup materials employed, in pounds [summation of 1.b.iv for all cleanup materials].

\*Note: The permittee is only required to maintain records for cleanup materials which result in the emissions of OC.
  - c. For all coatings and cleanup materials employed:
    - i. the total OC emissions from all the coatings and cleanup materials employed, in tons [sum of 1.a.v and 1.b.v, divided by 2000]; and
    - ii. the rolling, 365-day summation of the daily OC emission rates, in tons, calculated as follows:  
  
OC emissions/rolling, 365-day period = sum of 1.c.i for the preceding 364 calendar days and 1.c.i for the current day
2. The permittee shall collect and record the following information for each day for this emissions unit:
  - a. The total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate for all coatings employed in the coating operation associated with this emissions unit (R054), multiplied by the maximum percentage of the emissions associated with this emissions unit as defined below (see

section A.III.3), in pounds.

- b. The total number of hours this emissions unit was in operation. (This number should be the same as the number of hours the associated coating operation was in operation.)
  - c. The average hourly organic compound emission rate, i.e., a/b, in pounds per hour (average).
3. For purposes of calculating the OC emission rates for this emissions unit and the associated spray booth (R054), the permittee shall utilize a value of 95 percent as the maximum percentage of the organic compounds employed in the spray booth that are emitted uncontrolled from the spray booth. The remaining 5 percent of the organic compounds employed in the spray booth shall be considered to be the uncontrolled emissions for this emissions unit. This "split" of OC emissions between this emissions unit and the associated spray booth is based upon calculations provided by the company that incorporated information from the coating supplier. The "split" of organic compound emissions between this emissions unit and the associated spray booth shall be revised in accordance with the results of any future testing to determine the oven/booth split (weight%).

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

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

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

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day OC emission limitation of 235.6 tons.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. an identification of each day during which the average hourly organic compound emissions exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
  - b. an identification of each day during which the organic compound emissions exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.

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

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

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

#### V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):
  - a. Emission Limitation: 235.6 tons OC/year, based upon a rolling, 365-day summation of the daily OC emission rates
 

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
  - b. Emission Limitation:
 

3.0 pounds/hour OC  
15.0 pounds/day OC

Applicable Compliance Method:  
Compliance with the hourly limitation shall be based on the results of emission testing conducted in accordance with Methods 25 or 25A of 40 CFR, Part 60, Appendix A and the record keeping requirements specified in section A.III.1 of this permit.

Compliance with the daily limitation shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials employed in this emissions unit.
3. The permittee shall conduct, or have conducted, emission testing for this emissions unit 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.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 25 or 25A, as applicable, which are located in 40 CFR, Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

An OC emissions test also shall be conducted on emissions unit R054 to determine the oven/booth split as defined in section A.III.2 of this permit.
4. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test"

notification to the appropriate Ohio EPA District Office or local air agency. 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 District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

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

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

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

**VI. Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 Emissions Unit ID: P056 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>
thermal cure oven associated with dual coating spray booth (emissions unit R054)	none	none

**2. Additional Terms and Conditions**

1. None

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

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

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

**II. Operational Restrictions**

1. None

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

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

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

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

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

Pollutant: diacetone alcohol\*

TLV (ug/m3): 238,000

Maximum Hourly Emission Rate (lbs/hr): 3

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m3): 133.9

MAGLC (ug/m3): 5,667

\*It was conservatively assumed that, for this emissions unit, the compound in the coating materials with the lowest TLV was assumed to be the only air toxic emitted and it was emitted at the maximum hourly emission rate (i.e., the emission rate was not broken down into individual constituent proportions based on the coating formulation data).

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 (typically 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 the changed emissions unit will still satisfy the "Air Toxic Policy:"
  - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
  - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
  - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

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

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

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

**IV. Reporting Requirements**

1. None

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

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

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

**V. Testing Requirements**

1. None

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

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

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

**VI. Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322020042 Emissions Unit ID: R022 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>
DECO coating operation #2 for plastic parts	OAC rule 3745-21-07(G)(2)	8.0 pounds/hr and 40 pounds/day of organic compounds (OC)
	OAC rule 3745-31-05 (PTI No. 03-9956)	Refer to section A.I.2.a of the terms and conditions of this permit.
		See section A.II.1.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2).
	OAC rule 3745-17-11(B)	none (Refer to section A.I.2.b of the terms and conditions of this permit.)
	OAC rule 3745-17-07(A)	none (Refer to section A.I.2.c of the terms and conditions of this permit.)

**2. Additional Terms and Conditions**

- a. The OC emissions from emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined shall not exceed 235.6 tons/year, based upon a rolling, 365-day summation of the daily OC emission rates.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Erie County, which is identified as a P-3 county.
- c. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

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

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

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

**II. Operational Restrictions**

1. 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).

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

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

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

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

1. The permittee shall collect and record the following information for each day for emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined:
  - a. For all coatings employed:
    - i. the company identification of each coating employed;
    - ii. the quantity of each coating employed, in gallons;
    - iii. the OC content of each coating employed, in pounds/gallon;
    - iv. the OC emissions from each coating employed, in pounds [the product of 1.a.ii and 1.a.iii]; and
    - v. the total OC emissions from all the coatings employed, in pounds [summation of 1.a.iv for all coatings].
  - b. For all cleanup materials employed :
    - i. the company identification of each cleanup material\* employed;
    - ii. the quantity of each cleanup material employed, in gallons;

- iii. the OC content of each cleanup material employed, in pounds/gallon;
- iv. the OC emissions from each cleanup material employed, in pounds [product of 1.b.ii and 1.b.iii]; and
- v. the total OC emissions from all the cleanup materials employed, in pounds [summation of 1.b.iv for all cleanup materials].

\*Note: The permittee is only required to maintain records for cleanup materials which result in the emissions of OC.

- c. For all coatings and cleanup materials employed:
  - i. the total OC emissions from all the coatings and cleanup materials employed, in tons [sum of 1.a.v and 1.b.v, divided by 2000]; and
  - ii. the rolling, 365-day summation of the daily OC emission rates, in tons, calculated as follows:  
 OC emissions/rolling, 365-day period = sum of 1.c.i for the preceding 364 calendar days and 1.c.i for the current day
- 2. The permittee shall collect and record the following information each day for this emissions unit :
  - a. the company identification for each coating and cleanup material employed;
  - b. the determination of whether or not each cleanup material is a photochemically reactive material;
  - c. the quantity of each coating employed, in gallons;
  - d. the OC content of each coating employed, in pounds/gallon, as applied\*;
  - e. the OC emission rate from each coating employed, in pounds [c X d];
  - f. the total OC emission rate from all the coatings employed, in pounds [summation of e for all coatings];
  - g. the total number of hours the emissions unit was in operation; and
  - h. the average hourly OC emission rate from all the coatings, in pounds/hour (average) [f/g].

\*Note: The coating information must be for the coating materials, as applied, including any thinning solvents added to the coatings at the facility.

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

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

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

#### IV. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day OC emission limitation of 235.6 tons.
- 2. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which a noncomplying (i.e., photochemically reactive) cleanup material was employed in this emissions unit.
- 3. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. an identification of each day during which the average hourly organic compound emissions exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
  - b. an identification of each day during which the organic compound emissions exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
- 4. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.

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

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

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

#### V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):
  - a. Emission Limitation: 235.6 tons OC/year, based upon a rolling, 365-day summation of the daily OC emission rates  
  
 Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
  - b. Emission Limitations:  
 8.0 pounds/hour OC  
 40.0 pounds/day OC  
  
 Applicable Compliance Method: Compliance shall be based upon the record keeping requirements

specified in section A.III.2 of the terms and conditions of this permit.

2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the materials employed in this emissions unit.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 Emissions Unit ID: R022 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.	<b>Additional Terms and Conditions</b>		
1.	None		

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

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

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

II. **Operational Restrictions**

1. The permittee shall not place any part coated in this emissions unit in an oven in which the coating, or solvent vapor from the coating, comes into contact with flame or is baked, heat-cured, or heat-polymerized, in the presence of oxygen. The determination of whether or not the coating is baked, heat-cured, or heat-polymerized is based on whether the coating will redissolve in the original solvent mixture. Note: This restriction does not pertain to infrared cure ovens, ultraviolet cure ovens, or thermal cure ovens in which the part is cured in an atmosphere other than oxygen.

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

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

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

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

1. None

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

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

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

IV. **Reporting Requirements**

1. None

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

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

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

V. **Testing Requirements**

1. None

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

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

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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

Facility ID: 0322020042 Emissions Unit ID: R027 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>
UV cure hardcoat coating operation for plastic parts	OAC rule 3745-21-07(G)	none (Refer to section A.II.1 of the terms and conditions of this permit.)
	OAC rule 3745-31-05 (PTI No. 03-9956)	Refer to section A.I.2.a of the terms and conditions of this permit.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).
	OAC rule 3745-17-11(B)	none (Refer to section A.I.2.b of the terms and conditions of this permit.)
	OAC rule 3745-17-07(A)	none (Refer to section A.I.2.c of the terms and conditions of this permit.)

2. **Additional Terms and Conditions**

- a. The OC emissions from emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined shall not exceed 235.6 tons/year, based upon a rolling, 365-day summation of the daily OC emission rates.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Erie County, which is identified as a P-3 county.
- c. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

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

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

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

II. **Operational Restrictions**

- 1. The permittee shall not employ any coating and/or 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).

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

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

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

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

- 1. The permittee shall collect and record the following information for each day for emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined:

- a. For all coatings employed:
  - i. the company identification of each coating employed;
  - ii. the quantity of each coating employed, in gallons;
  - iii. the OC content of each coating employed, in pounds/gallon;
  - iv. the OC emissions from each coating employed, in pounds [the product of 1.a.ii and 1.a.iii]; and
  - v. the total OC emissions from all the coatings employed, in pounds [summation of 1.a.iv for all coatings].
  
- b. For all cleanup materials employed :
  - i. the company identification of each cleanup material\* employed;
  - ii. the quantity of each cleanup material employed, in gallons;
  - iii. the OC content of each cleanup material employed, in pounds/gallon;
  - iv. the OC emissions from each cleanup material employed, in pounds [product of 1.b.ii and 1.b.iii]; and
  - v. the total OC emissions from all the cleanup materials employed, in pounds [summation of 1.b.iv for all cleanup materials].

\*Note: The permittee is only required to maintain records for cleanup materials which result in the emissions of OC.
  
- c. For all coatings and cleanup materials employed:
  - i. the total OC emissions from all the coatings and cleanup materials employed, in tons [sum of 1.a.v and 1.b.v, divided by 2000]; and
  - ii. the rolling, 365-day summation of the daily OC emission rates, in tons, calculated as follows:  
  
 OC emissions/rolling, 365-day period = sum of 1.c.i for the preceding 364 calendar days and 1.c.i for the current day.
  
2. The permittee shall collect and record the following information each day for this emissions unit :
  - a. the company identification of each coating and/or cleanup material employed; and
  - b. the determination of whether or not each coating and/or cleanup material is a photochemically reactive material.

\*Note: The coating information must be for the coating materials, as applied, including any thinning solvents added to the coatings at the facility.

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

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

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

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day OC emission limitation of 235.6 tons.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which a noncomplying (i.e., photochemically reactive) coating and/or cleanup material was employed in this emissions unit.
3. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.

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

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

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

#### V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 235.6 tons OC/year, based upon a rolling, 365-day summation  
  
Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials employed in this emissions unit.

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

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

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

#### VI. Miscellaneous Requirements

- 1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 Emissions Unit ID: R027 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>
UV cure hardcoat coating operation for plastic parts	OAC rule 3745-31-05 PTI No. 03-9956	37.5 pounds OC/hr (See B.I.2.a.)

**2. Additional Terms and Conditions**

- a. The 37.5 pounds OC/hr limitation is based on the emissions unit's potential to emit. Therefore, no monitoring, record keeping and/or reporting requirements are necessary to demonstrate compliance with the hourly OC limitation.

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

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

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

**II. Operational Restrictions**

- 1. The permittee shall not place any part coated in this emissions unit in an oven in which the coating, or solvent vapor from the coating, comes into contact with flame or is baked, heat-cured, or heat-polymerized, in the presence of oxygen. The determination of whether or not the coating is baked, heat-cured, or heat-polymerized is based on whether the coating will redissolve in the original solvent mixture. Note: This restriction does not pertain to infrared cure ovens, ultraviolet cure ovens, or thermal cure ovens in which the part is cured in an atmosphere other than oxygen.

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

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

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

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

- 1. None

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

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

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

**IV. Reporting Requirements**

- 1. None

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

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

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

**V. Testing Requirements**

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 37.5 pounds OC/hr  
  
Applicable Compliance Method: The permittee shall determine compliance with the limitation above by multiplying the maximum hourly coatings usage rate (gallons/hr) by the maximum OC content of all coating materials employed (lbs/gallon).

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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

Facility ID: 0322020042 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>
UV clear coat/hard coat spray booth system # 2 for for plastic parts	OAC rule 3745-21-07(G)	none (Refer to section A.II.1 of the terms and conditions of this permit.)
	OAC rule 3745-31-05 (PTI No. 03-9956)	Refer to section A.I.2.a of the terms and conditions of this permit.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).
	OAC rule 3745-17-11(B)	none (Refer to section A.I.2.b of the terms and conditions of this permit.)
	OAC rule 3745-17-07(A)	none (Refer to section A.I.2.c of the terms and conditions of this permit.)

**2. Additional Terms and Conditions**

- a. The OC emissions from emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined shall not exceed 235.6 tons/year, based upon a rolling, 365-day summation of the daily OC emission rates.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Erie County, which is identified as a P-3 county.
- c. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

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

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

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

**II. Operational Restrictions**

1. The permittee shall not employ any coating and/or 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).

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

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

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

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

1. The permittee shall collect and record the following information for each day for emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined:
  - a. For all coatings employed:

- i. the company identification of each coating employed;
  - ii. the quantity of each coating employed, in gallons;
  - iii. the OC content of each coating employed, in pounds/gallon;
  - iv. the OC emissions from each coating employed, in pounds [the product of 1.a.ii and 1.a.iii]; and
  - v. the total OC emissions from all the coatings employed, in pounds [summation of 1.a.iv for all coatings].
  
- b. For all cleanup materials employed :
  - i. the company identification of each cleanup material\* employed;
  - ii. the quantity of each cleanup material employed, in gallons;
  - iii. the OC content of each cleanup material employed, in pounds/gallon;
  - iv. the OC emissions from each cleanup material employed, in pounds [product of 1.b.ii and 1.b.iii]; and
  - v. the total OC emissions from all the cleanup materials employed, in pounds [summation of 1.b.iv for all cleanup materials].

\*Note: The permittee is only required to maintain records for cleanup materials which result in the emissions of OC.
  
- c. For all coatings and cleanup materials employed:
  - i. the total OC emissions from all the coatings and cleanup materials employed, in tons [sum of 1.a.v and 1.b.v, divided by 2000]; and
  - ii. the rolling, 365-day summation of the daily OC emission rates, in tons, calculated as follows:  
  
 OC emissions/rolling, 365-day period = sum of 1.c.i for the preceding 364 calendar days and 1.c.i for the current day.
  
- 2. The permittee shall collect and record the following information each day for this emissions unit :
  - a. the company identification of each coating and/or cleanup material employed; and
  - b. the determination of whether or not each coating and/or cleanup material is a photochemically reactive material.

\*Note: The coating information must be for the coating materials, as applied, including any thinning solvents added to the coatings at the facility.

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

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

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

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day OC emission limitation of 235.6 tons.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which a noncomplying (i.e., photochemically reactive) coating and/or cleanup material was employed in this emissions unit.
3. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.

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

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

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

#### V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
 Emission Limitation: 235.6 tons OC/year, based upon a rolling, 365-day summation  
  
 Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials employed in this emissions unit.

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

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

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

#### VI. Miscellaneous Requirements

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 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>
UV clear coat/hard coat spray booth system # 2 for for plastic parts	OAC rule 3745-31-05 PTI No. 03-9956	37.5 pounds OC/hr (See B.I.2.a.)
<b>2. Additional Terms and Conditions</b>		
a. The 37.5 pounds OC/hr limitation is based on the emissions unit's potential to emit. Therefore, no monitoring, record keeping and/or reporting requirements are necessary to demonstrate compliance with the hourly OC limitation.		

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

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

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

**II. Operational Restrictions**

1. The permittee shall not place any part coated in this emissions unit in an oven in which the coating, or solvent vapor from the coating, comes into contact with flame or is baked, heat-cured, or heat-polymerized, in the presence of oxygen. The determination of whether or not the coating is baked, heat-cured, or heat-polymerized is based on whether the coating will redissolve in the original solvent mixture. Note: This restriction does not pertain to infrared cure ovens, ultraviolet cure ovens, or thermal cure ovens in which the part is cured in an atmosphere other than oxygen.

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

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

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

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

1. None

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

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

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

**IV. Reporting Requirements**

1. None

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

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

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

**V. Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 37.5 pounds OC/hr  
  
Applicable Compliance Method: The permittee shall determine compliance with the limitation above by multiplying the maximum hourly coatings usage rate (gallons/hr) by the maximum OC content of all coating materials employed (lbs/gallon).

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

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

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

**VI. Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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

Facility ID: 0322020042 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>
UV clear coat/hard coat spray booth system # 3 for for plastic parts	OAC rule 3745-21-07(G)	none (Refer to section A.II.1 of the terms and conditions of this permit.)
	OAC rule 3745-31-05 (PTI No. 03-9956)	Refer to section A.I.2.a of the terms and conditions of this permit.
	OAC rule 3745-17-11(B)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G). none (Refer to section A.I.2.b of the terms and conditions of this permit.)
	OAC rule 3745-17-07(A)	none (Refer to section A.I.2.c of the terms and conditions of this permit.)

**2. Additional Terms and Conditions**

- a. The OC emissions from emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined shall not exceed 235.6 tons/year, based upon a rolling, 365-day summation of the daily OC emission rates.
- b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Erie County, which is identified as a P-3 county.
- c. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

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

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

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

**II. Operational Restrictions**

1. The permittee shall not employ any coating and/or 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).

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

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

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

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

1. The permittee shall collect and record the following information for each day for emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined:
  - a. For all coatings employed:
    - i. the company identification of each coating employed;
    - ii. the quantity of each coating employed, in gallons;

- iii. the OC content of each coating employed, in pounds/gallon;
  - iv. the OC emissions from each coating employed, in pounds [the product of 1.a.ii and 1.a.iii]; and
  - v. the total OC emissions from all the coatings employed, in pounds [summation of 1.a.iv for all coatings].
- b. For all cleanup materials employed :
- i. the company identification of each cleanup material\* employed;
  - ii. the quantity of each cleanup material employed, in gallons;
  - iii. the OC content of each cleanup material employed, in pounds/gallon;
  - iv. the OC emissions from each cleanup material employed, in pounds [product of 1.b.ii and 1.b.iii]; and
  - v. the total OC emissions from all the cleanup materials employed, in pounds [summation of 1.b.iv for all cleanup materials].
- \*Note: The permittee is only required to maintain records for cleanup materials which result in the emissions of OC.
- c. For all coatings and cleanup materials employed:
- i. the total OC emissions from all the coatings and cleanup materials employed, in tons [sum of 1.a.v and 1.b.v, divided by 2000]; and
  - ii. the rolling, 365-day summation of the daily OC emission rates, in tons, calculated as follows:  
  
OC emissions/rolling, 365-day period = sum of 1.c.i for the preceding 364 calendar days and 1.c.i for the current day.
2. The permittee shall collect and record the following information each day for this emissions unit :
- a. the company identification of each coating and/or cleanup material employed; and
  - b. the determination of whether or not each coating and/or cleanup material is a photochemically reactive material.
- \*Note: The coating information must be for the coating materials, as applied, including any thinning solvents added to the coatings at the facility.

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

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

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

**IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day OC emission limitation of 235.6 tons.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which a noncomplying (i.e., photochemically reactive) coating and/or cleanup material was employed in this emissions unit.
3. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.

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

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

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

**V. Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 235.6 tons OC/year, based upon a rolling, 365-day summation  
  
Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials employed in this emissions unit.

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

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

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

**VI. Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 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>
UV clear coat/hard coat spray booth system # 3 for for plastic parts	OAC rule 3745-31-05 PTI No. 03-9956	37.5 pounds OC/hr (See B.I.2.a.)
<b>2. Additional Terms and Conditions</b>		
a. The 37.5 pounds OC/hr limitation is based on the emissions unit's potential to emit. Therefore, no monitoring, record keeping and/or reporting requirements are necessary to demonstrate compliance with the hourly OC limitation.		

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

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

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

**II. Operational Restrictions**

- 1. The permittee shall not place any part coated in this emissions unit in an oven in which the coating, or solvent vapor from the coating, comes into contact with flame or is baked, heat-cured, or heat-polymerized, in the presence of oxygen. The determination of whether or not the coating is baked, heat-cured, or heat-polymerized is based on whether the coating will redissolve in the original solvent mixture. Note: This restriction does not pertain to infrared cure ovens, ultraviolet cure ovens, or thermal cure ovens in which the part is cured in an atmosphere other than oxygen.

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

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

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

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

- 1. None

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

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

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

**IV. Reporting Requirements**

- 1. None

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

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

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

**V. Testing Requirements**

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 37.5 pounds OC/hr  
  
Applicable Compliance Method: The permittee shall determine compliance with the limitation above by multiplying the maximum hourly coatings usage rate (gallons/hr) by the maximum OC content of all coating materials employed (lbs/gallon).

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

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

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

**VI. Miscellaneous Requirements**

- 1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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

Facility ID: 0322020042 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>
thermal cure flowcoater to clearcoat plastic parts	OAC rule 3745-21-07(G)  OAC rule 3745-31-05 (PTI No. 03-9956)	none (Refer to section A.II.1 of the terms and conditions of this permit.)  Refer to section A.I.2.a of the terms and conditions of this permit.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2).

2. Additional Terms and Conditions

- a. The OC emissions from emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined shall not exceed 235.6 tons/year, based upon a rolling, 365-day summation of the daily OC emission rates.

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

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

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

II. Operational Restrictions

1. The permittee shall not employ any coating and/or 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).

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

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

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for emissions units R022, R027, R028, R029, R030, R031, R032, R033, R034, R035, R036, R037, R039, R040, R042, R043, R044, R045, R046, R047, R050, R051, R054, R055, R056, P052, P053, P054 and P056, combined:
  - a. For all coatings employed:
    - i. the company identification of each coating employed;
    - ii. the quantity of each coating employed, in gallons;
    - iii. the OC content of each coating employed, in pounds/gallon;
    - iv. the OC emissions from each coating employed, in pounds [the product of 1.a.ii and 1.a.iii]; and
    - v. the total OC emissions from all the coatings employed, in pounds [summation of 1.a.iv for all coatings].
  - b. For all cleanup materials employed :
    - i. the company identification of each cleanup material\* employed;
    - ii. the quantity of each cleanup material employed, in gallons;
    - iii. the OC content of each cleanup material employed, in pounds/gallon;

- iv. the OC emissions from each cleanup material employed, in pounds [product of 1.b.ii and 1.b.iii]; and
- v. the total OC emissions from all the cleanup materials employed, in pounds [summation of 1.b.iv for all cleanup materials].

\*Note: The permittee is only required to maintain records for cleanup materials which result in the emissions of OC.

- c. For all coatings and cleanup materials employed:
  - i. the total OC emissions from all the coatings and cleanup materials employed, in tons [sum of 1.a.v and 1.b.v, divided by 2000]; and
  - ii. the rolling, 365-day summation of the daily OC emission rates, in tons, calculated as follows:  
  
OC emissions/rolling, 365-day period = sum of 1.c.i for the preceding 364 calendar days and 1.c.i for the current day.
- 2. The permittee shall collect and record the following information for each day for the coating operation:
  - a. The company identification for each coating and/or cleanup material employed and the determination of whether or not each coating and/or cleanup material is a photochemically reactive material.
  - b. The number of gallons of each coating employed.
  - c. The organic compound content of each coating, in pounds per gallon.
  - d. The total potential (prior to applying the booth/oven "split") organic compound emission rate from all the coatings employed, in pounds.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]
- 3. For purposes of calculating the organic compound emission rates for this emissions unit and the associated oven (P056), the permittee shall utilize a value of 95% as the maximum percentage of the organic compounds employed in this emissions unit that are emitted uncontrolled from the emissions unit. The remaining 5% of the organic compounds employed in this emissions unit shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between this emissions unit and the associated oven is based upon calculations provided by the company that incorporated information from the coating supplier. The "split" of organic compound emissions between this emissions unit and the associated oven shall be revised in accordance with the results of any future testing to determine the oven/booth split (weight%).

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

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

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

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day OC emission limitation of 235.6 tons.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which a noncomplying (i.e., photochemically reactive) coating or cleanup material was employed in this emissions unit.
3. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.

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

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

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

#### V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 235.6 tons OC/year, based upon a rolling, 365-day summation of the daily OC emission rates  
  
Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1 of the terms and conditions of this permit.
2. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials employed in this emissions unit.
3. The permittee shall conduct, or have conducted, emission testing for this emissions unit 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 booth/oven split, as detailed in paragraph A.III.2.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass

emission rate(s): Methods 25 or 25A, as applicable, which are located in 40 CFR, Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

An OC emissions test also shall be conducted on emissions unit P056 to determine oven/booth split as defined in section A.III.2 of this permit.

4. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

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

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

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

VI. **Miscellaneous Requirements**

1. None

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

Facility ID: 0322020042 Issuance type: Title V Final Permit

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

Facility ID: 0322020042 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>
thermal cure flowcoater to clearcoat plastic parts	OAC rule 3745-31-05 PTI No. 03-9956	70.0 pounds OC/hr (See B.I.2.a.)

2. **Additional Terms and Conditions**

- a. The 70.0 pounds OC/hr limitation is based on the emissions unit's potential to emit. Therefore, no monitoring, record keeping and/or reporting requirements are necessary to demonstrate compliance with the hourly OC limitation.

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

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

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

II. **Operational Restrictions**

1. None

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

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

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

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

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

Pollutant: diacetone alcohol\*

TLV (ug/m3): 238,000

Maximum Hourly Emission Rate (lbs/hr): 70.2

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 3,096

MAGLC (ug/m3): 5,667

\*It was conservatively assumed that, for this emissions unit P056, the compound in the coating materials with the lowest TLV was assumed to be the only air toxic emitted and it was emitted at the maximum hourly emission rate (i.e., the emission rate was not broken down into individual constituent proportions based on the coating formulation data).

- 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 (typically 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.

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

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

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

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

#### IV. Reporting Requirements

- None

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

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

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

#### V. Testing Requirements

- Compliance Methods Requirements: Compliance with the emission limitation(s) in section B.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):  
Emission Limitation: 70.0 pounds OC/hr

Applicable Compliance Method: The permittee shall determine compliance with the limitation above by multiplying the maximum hourly coatings usage rate (gallons/hr) by the maximum OC content of all coating materials employed (lbs/gallon).

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

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

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

VI. **Miscellaneous Requirements**

1. None