

Facility ID: 0857083156 Issuance type: Final State Permit To Operate

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 II" and before "A. 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: 0857083156 Emissions Unit ID: K001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint spray booth for miscellaneous metal parts	OAC rule 3745-31-05 PTI #08-3856	28.32 lbs/day, excluding cleanup; 5.61 TPY VOC, including cleanup.
	OAC rule 3745-21-09 (U)(2)(e)	2.41 TPY Particulate 8 gallons/day coating usage limitation
	OAC rule 3745-17-11	0.551 lb particulate/hr
	OAC rule 3745-21-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- (a) The 28.32 lbs of VOC/day limit was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

B. Operational Restrictions

1. The maximum daily coating usage for emissions unit K001 shall not exceed 8 gallons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. The name and identification number of each coating mixture* employed.
 - b. The VOC content volume weighted average of each coating mixture, as applied, in pounds per gallon.
 - c. The volume, in gallons, of each coating mixture employed.
 - d. The total volume, in gallons, of all the coating mixtures employed.

(*The coating mixture consists of a reducer, catalyst, and enamel.)
2. The permittee shall collect and record the following information monthly for the purpose of determining annual VOC emissions:
 - a. The name and identification of each cleanup material employed.
 - b. The number of gallons of each cleanup material employed.
 - c. The VOC content of each cleanup material, in pounds per gallon.
 - d. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio

EPA District Office or local air agency) within 45 days after the exceedance occurs.

E. Testing Requirements

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

Emission Limitation-
28.32 lbs/day VOC, excluding cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum daily coating usage of 8 gallons by 3.54 lbs VOC/gal, the volume weighted average of the coating mixture employed in this emissions unit as described in section C.1.a. Compliance can also be based upon the record keeping specified in Section C.1.

Emission Limitation-
5.61 TPY VOC, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping as required in Sections C.1. and C.2.

Emission Limitation-
0.551 lb/hr particulate

Applicable Compliance Method-

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

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

E = particulate matter emissions rate, in pounds per hour

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

CE = control efficiency of the control equipment

Emission Limitation-
2.41 TPY Particulate

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly particulate emission rate, 0.551 lb/hr, by 8760 hrs/yr.

Emission Limitation:
20% opacity, as a 6-minute average, except as provided by rule

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. This facility is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.