

Facility ID: 0123010022 Issuance type: Draft 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: 0123010022 Emissions Unit ID: K005 Issuance type: Draft 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>
K005 - Y2k Paint Booth	OAC rule 3745-35-07(B)	Volatile Organic Compounds (VOC) emissions shall not exceed 3.7 tons per year.  See A.2.c and A.2.d
	OAC rule 3745-31-05(A)(3) (PTI # 01-08177)	Volatile Organic Compounds (VOC) emissions shall not exceed 7.0 lbs/hr.  See A.2.a and A.2.b.
	OAC rule 3745-21-09(U)(1)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(U)(1), 3745-17-11(B), and 3745-17-07(A). The maximum VOC content of any coating, as applied, shall not exceed 3.5 lbs of VOC per gallon, excluding water and exempt solvents.
	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	Particulate emissions (PE) shall not exceed 0.551 lb/hr. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

**2. Additional Terms and Conditions**

- (a) The maximum VOC content of lacquer thinner shall not exceed 7.0 lbs of VOC per gallon, excluding water and exempt solvents.  
 The maximum VOC content of cleanup material (peelable booth coating) shall not exceed 5.88 lbs of VOC per gallon, excluding water and exempt solvents.  
 Emissions of any single hazardous air pollutant (HAP) from all materials employed by emissions units K001, K002, K004 and K005 shall not exceed 0.825 tons per rolling 12-month period.  
 Emissions of all HAPs from all materials employed by emissions units K001, K002, K004 and K005 shall not exceed 2.041 tons per rolling 12-month period.  
 The permittee shall operate the dry filtration system whenever this emissions unit is in operation, to control particulate emissions.

**B. Operational Restrictions**

1. This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12 month summation of the coating usage, upon issuance of this permit. The maximum annual coating usage for this emissions unit shall not exceed 1997.5 gallons, based upon a rolling, 12 month summation of the coating usage figures.
2. This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12 month summation of the cleanup material (peelable booth coating) usage, upon issuance of this permit. The maximum annual cleanup material usage for this emissions unit shall not exceed 10 gallons, based upon a rolling, 12 month summation of the cleanup material usage figures.
3. This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing

records to generate the rolling, 12 month summation of the lacquer thinner usage, upon issuance of this permit. The maximum annual lacquer thinner usage for this emissions unit shall not exceed 50 gallons, based upon a rolling, 12 month summation of the lacquer thinner usage figures.

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

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating, as applied, in pounds per gallon;
  - c. the number of gallons of each coating employed;
  - d. the name and identification of each cleanup material (peelable booth coating) employed;
  - e. the number of gallons of each cleanup material (peelable booth coating) employed;
  - f. the VOC content of each cleanup material (peelable booth coating), in pounds per gallon;
  - g. the name and identification of each lacquer thinner employed;
  - h. the number of gallons of each lacquer thinner employed;
  - i. the VOC content of each lacquer thinner, in pounds per gallon;
  - j. the total number of hours the emissions unit was operated;
    - k the total VOC emission rate from all coatings, cleanup materials (peelable booth coating) and lacquer thinners, in pounds ((the summation of A.III.2.b X A.III.2.c for each coating) + [the summation of A.III.2.e X A.III.2.f for each cleanup material (peelable booth coating)]) + [the summation of A.III.2.h X A.III.2.i for each lacquer thinner]);
  - l. the average hourly VOC emission rate, in pounds per hour, i.e., A.III.2.k/A.III.2.j.
2. The permittee shall collect and record the following information each month for this emission unit:
  - a. the name and identification number of each coating, as applied;
  - b. the individual HAP content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum of all individual HAP contents from b);
  - d. the number of gallons of each coating employed;
  - e. the name and identification of each cleanup material (peelable booth coating) employed;
    - f the individual HAP content for each HAP of each cleanup material (peelable booth coating) in pounds of individual HAP per gallon cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material (peelable booth coating) in pounds of combined HAPs per gallon of cleanup material (peelable booth coating), as applied (sum of all individual HAP contents from f);
  - h. the number of gallons of each cleanup material (peelable booth coating) employed;
  - i. the name and identification of each lacquer thinner employed
  - j. the number of gallons of each lacquer thinner employed;
  - k. the individual HAP content of each lacquer thinner in pounds of individual HAP per gallon of coating, as applied;
  - l. the total combined HAP content for each lacquer thinner in pounds of combined HAPs per gallon of lacquer thinner, as applied (sum of all individual HAP contents from k);
    - m. the total individual HAP emissions for each HAP from all coatings ,cleanup materials (peelable booth coating), and lacquer thinners in pounds or tons per rolling, 12-month period (for each HAP the sum of b times d for each coating , the sum of f times h for each cleanup material (peelable booth coating) and sum of k times j for each lacquer thinner ); and
  - n. the total combined HAP emissions from all coatings ,cleanup materials (peelable booth coating), and lacquer thinners employed, in pounds or tons per month and pounds or tons per rolling, 12-month period ( the sum of c times d for each coating, the sum of g times h for each cleanup material (peelable booth coating) and sum of j times l for each lacquer thinner).
 

A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the coatings or clean materials. This information does not have to be kept on a line-by-line basis.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the identification of each day during which the average hourly volatile organic compound emissions exceeded 7 pounds per hour, and the actual average hourly volatile organic compound emissions for each such day.

These reports are due by the date described in Part 1- General Terms and Conditions of this permit.

2. The permittee shall notify the Ohio EPA, Central District Office in writing of any monthly record showing the use of noncomplying lacquer thinners, coatings and/or clean up materials (peelable booth coatings). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days following the end of the calendar month.
3. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances all of the following:
  - a. the rolling 12-month coating usage limitation;
  - b. the rolling 12-month lacquer thinner usage limitation;
  - c. the rolling 12-month cleanup material (peelable booth coating) usage limitation;

These reports are due by the date described in Part 1- General Terms and Conditions of this permit.

4. The permittee shall notify Ohio EPA, Central District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to Ohio EPA, Central District Office within 45 days after the exceedance occurs.
5. The permittee shall submit annual reports which summarize the following:
  - a. the total VOC emissions from all materials employed in emission units K001, K002, K004 and K005, combined and individually;
  - b. the total HAP emissions for each individual HAP and for all combined HAPS from emission units K001, K002, K004 and K005, combined and individually.

The annual reports required by this permit shall be submitted by January 31 of each year.

#### E. Testing Requirements

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

Emission Limitations: Volatile Organic Compounds (VOC) emissions shall not exceed 7.0 lbs/hr.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements as specified in Section C.1.

Emission Limitation: Particulate emissions (PE) shall not exceed 0.551 lb/hr from coating operations.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

Emission Limitation: VOC emissions shall not exceed 3.7 tons per rolling 12-month period

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements as specified in Section C.1.

Emission Limitation: Emissions of any single hazardous air pollutant (HAP) from all materials employed by emissions units K001, K002, K004 and K005 shall not exceed 0.825 tons per rolling 12-month period.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in Section C.2 of this permit.

Emission Limitation: Emissions of all HAPs from all materials employed by emissions units K001, K002, K004 and K005 shall not exceed 2.041 tons per rolling 12-month period.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in Section C.2 of this permit.

Emission Limitation: The maximum VOC content of cleanup material (peelable booth coating) shall not exceed 5.88 lbs of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements as specified in Section C.1.

Emission Limitation: The maximum VOC content of lacquer thinner shall not exceed 7.0 lbs of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements as specified in Section C.1.

USEPA Method 24 shall be used to determine the VOC contents for the coatings, lacquer thinners and cleanup materials (peelable booth coating). If an owner or operator determines that Method 24, 40 CFR Part 60, Appendix A, cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Emission Limitations: Visible particulate emissions from the stack shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method: If required, 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).

Emission Limitation: Volatile Organic Compounds (VOC) emissions shall not exceed 3.7 tons per year.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements as specified in Section C.1.

Emission Limitation: The maximum VOC content of any coating, as applied, shall not exceed 3.5 lbs of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements as specified in Section C.1.

F. **Miscellaneous Requirements**

1. None