

A. Operational Restrictions

1. The permittee shall ensure that all exhaust filters are in place and operating correctly at all times that emission units K001 and K002 are in use.
2. All coating operations causing air emissions, including operations outside of the spray booth, shall occur only when the exhaust fans of the spray booth are operating.

B. Record keeping Requirements for Emission Units K001, and K002

1. The permittee shall collect and record the following information each day for K001 and K002 for the purpose of determining annual VOC emissions:
  - a. The name and identification number of each coating employed.
  - b. The volume, in gallons, of each coating employed.
  - c. The total volume, in gallons, of all the coatings employed.
  - d. The VOC content of each coating, as applied, in pounds per gallon.
  - e. The total VOC emissions in pounds per day from all coatings used in emission sources K001 and K002.
2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five (5) years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

C. Reporting Requirements for Emission Units K001 and K002

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 daily volume-weighted average VOC content exceeds the applicable limitation. 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.

2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
3. The permittee shall submit required reports in the following manner:
  - a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - b. Quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

D. Compliance Determination for Emission Units K001 and K002.

1. Compliance with the emission limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
4.56 lbs VOC/hr for K001  
4.56 lbs VOC/hr for K002  
  
Applicable Compliance Method:  
Compliance shall be determined by multiplying the maximum amount of coating used in an hour (6 gal/hr) by the maximum VOC content of the coating (0.76 lbs/gal) to obtain VOC emissions in pounds per hour.
  - b. Emission Limitation:  
20 tons VOC per year from coating usage in K001  
20 tons VOC per year from coating usage in K002  
40 tons VOC per year from coating usages in K001 and K002

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum amount of coating used in a year (52,560 gal/yr) by the maximum VOC content of the coating (0.76 lbs/gal) and divide by 2,000 lbs per ton to get the VOC emissions in tons per year.

Compliance with the 40 tons per year limit shall be determined by adding the VOC emissions from K001 and K002.

- d. Emission Limitation:  
0.76 lbs VOC/gallon excluding water and exempt solvents for coating material.

Applicable Compliance Method:

OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC contents for (a) coatings and (b) flexographic and rotogravure printing inks and related coatings, respectively. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- e. Emission Limitation:  
0.062 lb particulate emissions/hour for K001 and K002.

Applicable Compliance Method:

Use of filters during all periods of spray booth operation. To determine the actual worst case emissions rate for particulate matter from emissions sources K001 and K002 the following equation shall be used:

$$E = \text{maximum coating solids usage rate (pounds/hr)} * (1-TE) * (1-CE)$$

Where:

E = particulate matter emissions rate (lbs/hr)

TE = transfer efficiency of painting equipment in decimal form (use 0.65), transfer efficiency is the ratio of the amount of coating solid deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment in decimal form (Use 99% for filters)