



<u>Single HAP Usage</u> (Tons/Mo)	<u>(Tons/Yr)</u>	<u>Emission Factor</u> (Wt %)	<u>VOM Emissions</u> (Tons/Mo)	<u>(Tons/Yr)</u>
50	450	2.0	1.0	9.0
<u>Total HAP Usage</u> (Tons/Mo)	<u>(Tons/Yr)</u>	<u>Emission Factor</u> (Wt %)	<u>VOM Emissions</u> (Tons/Mo)	<u>(Tons/Yr)</u>
120	1,200	2.0	2.4	24

These limits define the potential emissions of VOM, PM, and HAPs and are based on maximum material usage, individual VOM and HAP content, and standard AP-42 emission factors. The VOM and HAP usages shall be determined using the equation in Condition 7(c). Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

3. Emissions of VOM from all storage tanks shall not exceed 0.1 tons/month and 1.0 tons/year.
4. This permit is issued based on negligible emissions of PM from the ribbon blender. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
5. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.
6. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.
7. The Permittee shall maintain monthly records of the following items:
  - a. Identification and amount of each solvent used (tons or gallons/month and tons or gallons/year);
  - b. VOM and individual HAP content of each solvent used (lb/gallon or weight %);
  - c. Calculations of VOM and individual HAP usage. The following equation shall be used to calculate VOM and HAP usage:

$$T_e = \sum_i^n A_i B_i$$

Where:

$T_e$  = VOM or individual HAP usage in units of lb/month;

$n$  = Number of different solvents used each month;

$i$  = Subscript denoting an individual solvent;

$A_i$  = Weight of VOM or individual HAP per volume of each solvent used each month in units of lbs VOM or individual HAP/gallon (lb/gallon) or weight percent of VOM or individual HAP for each solvent used each month (% weight);  
and

$B_i$  = Amount of each solvent used each month in units of gallon/month or lb/month;

- d. Amount of solid particulates used (tons/month and tons/year); and
  - e. Detailed calculations of VOM, individual and total HAP, and PM emissions from the facility (tons/month and tons/year).
8. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
  9. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
  10. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
5415 North University  
Peoria, Illinois 61614

11. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
  - a. Each month's, monthly and annual VOM and individual HAP usages for the preceding calendar year (i.e. preceding 12 months);
  - b. Each month's, monthly and annual VOM and individual and total HAP emissions for the preceding calendar year (i.e., preceding 12 months); and
  - c. Dates that the plant exceeded the annual usage or emissions limitations, if applicable.

If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

If you have any questions on this, please call Tara T. Nguyen-Ede at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:TNE:psj

cc: Illinois EPA, FOS Region 2  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from paint manufacturing facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 100 tons/yr for VOM, 10 tons/yr for a single HAP and 25 tons/yr for combined HAPs, at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

1. Operation of the mixing and milling tanks shall not exceed the following limits:

<u>VOM Usage</u>		<u>Emission Factor</u>	<u>VOM Emissions</u>	
<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Wt %)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
250	2,500	2.0	5.0	50
<u>Solid Particulate Usage</u>		<u>Emission Factor</u>	<u>PM Emissions</u>	
<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Wt %)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
800	8,000	0.5	4.0	40
<u>Single HAP Usage</u>		<u>Emission Factor</u>	<u>VOM Emissions</u>	
<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Wt %)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
50	450	2.0	1.0	9.0
<u>Total HAP Usage</u>		<u>Emission Factor</u>	<u>VOM Emissions</u>	
<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Wt %)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
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