

- Dipropylene Glycol Butyl Ether
- Propylene Glycol Monomethyl Ether
- Aromatic 100: 2,325 gal/mo, 23,250 gal/yr
- 1, 2, 4 - Trimethylbenzene
- Xylene
- Cumene
- Ethylbenzene

* Overall solvent usage includes clean up solvents and solvents used as raw material.

- d. Solid Particulate Usage: 1,170 ton/mo, 11,700 ton/yr
- e. Storage Tank Throughput

All tanks storing solvent and non-solvent materials with vapor pressures less than 1.0 psia shall not exceed average monthly throughputs of 65,000 gal/mo.

- f. 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. 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.
- 4a. 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.
- b. In the event that the operation of this emission unit results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
- 5. The Permittee shall maintain monthly records of the following items:
 - a. Identification and amount of each HAP solvent used (gallon/month and gallon/year);
 - b. Amount of overall solvents used (gallon/month and gallon/year);
 - c. Amount of solid particulates used (tons/month and tons/year);

- d. Amount of paint, stain, paste, and dry products produced (gallon/month and gallon/year or tons/month and tons/year); and
 - e. VOM, individual and total HAP, and PM emissions from the facility (tons/month and tons/year).
6. 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.
7. 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.
8. 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

9. 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 solvent and solid particulate usages for the preceding calendar year (i.e., preceding 12 months);
 - b. Each month's monthly and annual VOM, HAP and PM emissions for the preceding calendar year (i.e., preceding 12 months);

Page 4

- c. Each month's stain, paint, paste, and dry products production for the preceding calendar year (i.e., preceding 12 months); and
- d. 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 the 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., 25 tons/year for volatile organic material (VOM), 10 tons/year for any single HAP and 25 tons/year for combination of 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. Emissions of volatile organic material (VOM) and particulate matter (PM) and operation of the facility equipment shall not exceed the following limits:

<u>Overall Solvent Usage</u>	<u>Emission Factor</u>	<u>VOM Emissions</u>		
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lb/Gal)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
121,500	1,215,000	0.15	9.2	91.5

<u>Paint/Stain</u>		<u>Emission Factor</u>	<u>PM Emissions</u>		
<u>Solid Particulate Usage</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	<u>(Wt. %)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
1,170	11,700	0.0005	0.60	6.0	

These limits define the potential emissions of VOM and PM and are based on maximum material usages, 90% control efficiency of the dust collector, solvent density of 10 lb/gallon, a loss of 1.5% of solvents, and a loss of 0.5% of particulates. 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.

2. Emissions of HAP shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>Density</u>	<u>Emission Factor</u>	<u>HAP Emissions</u>	
	<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>			<u>(Lb/Gal)</u>	<u>(Wt. %)</u>
Ethylene Glycol	3,450	34,500	9.31	1.5	0.24	2.4
Glycol Ethers	11,100	111,000	8.56	1.5	0.72	7.2
Aromatics 100	2,325	23,250	7.26	1.5	<u>0.13</u>	<u>1.3</u>
				Total	1.11	10.9

These limits define the potential emissions of HAP emissions and are based on maximum material usages and AP-42 emission factors. 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 from all storage tanks shall not exceed 0.1 tons/month and 1.0 tons/year of VOM.
4. 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.

TNE:psj