

metal coating pursuant to 35 Ill. Adm. Code 218.204(j)(5).

c. Operation of tank wash shall not exceed the following limits:

i. Solvent usage for tank wash shall not exceed 160 lbs/day and 40,000 lbs/yr.

- ii. Solvent VOM content shall not exceed 5% by weight.
- d. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus preceding 11 months.
- e. These limits define the potential emissions of VOM and are based on the actual emissions determined from maximum production capacity.
- 3a. Within 30 days of a written request from the Illinois EPA the Permittee shall submit data on representative coatings and solvents as applied, determined by laboratory analysis in accordance with the procedures of 35 Ill. Adm. Code Section 218.105.
- b. The submitted data shall include the weight percent VOM and/or HAP content of the coatings and solvents, a justification of why these are representative, and a description of the sampling procedures, and a documentation for the analysis.
- c. The Illinois EPA may provide additional time for the performance of this testing upon request from Permittee which shows that it is not feasible to perform representative testing within 30 days.
- 4. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.
- 5. The Permittee shall maintain records of the following items:
 - a. The name and identification number of each coating and clean-up solvent as applied.
 - b. The weight of VOM per volume of each coating, clean-up solvent, tank wash solvent (minus water and exempt compounds which are specifically exempted from the definition of VOM) as applied.
 - c. Coating usage (gal/day and gal/year).
 - d. Clean-up solvent usage (lb/mo and lb/year).
 - e. Tank wash solvent usage (lb/day and lb/year).

- f. The name and identification number of each HAP as applied.
- g. Consumption for individual and total HAP's (lb/mo and lb/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
Eisenhower Tower
1701 South First Avenue
Maywood, Illinois 60153

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: coating and clean-up usage from the previous calendar year.
10. This permit is issued based on negligible emissions of particulate matter from the paint booths. For this purpose emissions shall not exceed nominal emission rates of 0.05 lb/hr and 0.22 ton/yr.

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If you have any questions on this, please call John Blazis at 217/782-2113.

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

DES:JPB:jar

cc: Region 1
Compliance Section
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the painting lines 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 per year of VOM) 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.

- 1a. i. Emission of volatile organic material (VOM) from the painting operations.

<u>Coating Usage</u>		<u>VOM Content</u>	<u>VOM Emissions</u>	
<u>(Gal/Day)</u>	<u>(Gal/Yr)</u>	<u>(Lb/Gal)</u>	<u>(Lb/Day)</u>	<u>(Ton/Yr)</u>
44	11,000	3.0	132	16.5

This table defines the potential emissions from the coating operations determined by material balance.

- ii. Emissions from solvent consumption in painting cleanup activities.

<u>Solvent Consumption</u>		<u>VOM Emissions</u>	
<u>(Lb/Mo)</u>	<u>(Lb/Yr)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
1,200	14,000	1,200	7.0

This table defines the potential emissions from solvent consumption determined by material balance.

- iii. Emissions from tank wash cleaner.

<u>Cleaner Usage</u>		<u>VOM Content</u>	<u>VOM Emissions</u>	
<u>(Lb/Day)</u>	<u>(Lb/Yr)</u>	<u>(% Weight)</u>	<u>(Lb/Day)</u>	<u>(Ton/Yr)</u>
160	40,000	5	8	1.0

This table defines the potential emissions from wash tank cleaner determined by material balance.

- b. Total emissions of HAP's from the source.

<u>Emissions of</u>		<u>HAP Emissions (Total)</u>	
<u>Any Single HAP</u>		<u>(Lb/Month)</u>	<u>(Ton/Yr)</u>
<u>(Lb/Month)</u>	<u>(Ton/Yr)</u>	<u>(Lb/Month)</u>	<u>(Ton/Yr)</u>

1,500

9.0

4,000

20.0

This table defines the emissions from all operations used HAP's determined by material balance.

c. Fuel combustion emissions from the natural gas consumption.

<u>Item of Equipment</u>	<u>Firing</u>	<u>Nitrogen Oxide</u>		<u>Carbon Monoxide</u>	
	<u>Rate (Total)</u>	<u>Emissions</u>		<u>Emissions</u>	
	<u>(mmBtu/Hr)</u>	<u>(Lb/Hour)</u>	<u>(Ton/Year)</u>	<u>(Lb/Hr)</u>	<u>(T/Yr)</u>
Cure Oven, Dry-Off					
Oven, Water Heater					
Air Make-up Burner	5.25	0.52	2.3	0.11	0.48

This table defines the potential emissions from all natural gas combustion emission sources and is based on the natural gas combusted and standard emission factors given by AP-42.

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