

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- RENEWAL

PERMITTEE

Unique Printers and Lithographers
Attn: Steve Deets
5500 West 31st Street
Cicero, Illinois 60804

Application No.: 72111074

I.D. No.: 031051ABM

Applicant's Designation: CN86565

Date Received: March 9, 2001

Subject: Printing Operation

Date Issued: September 3, 2002

Expiration Date: September 3, 2007

Location: 5500 West 31st Street, Cicero

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of four coldset lithographic printing presses, one developing room and one boiler pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons/year of VOM, 10 tons/year for a single HAP and 25 tons/year for totaled HAP). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
2. The printing operation is not subject to the emission limitation and control requirements for lithographic printing lines as specified in 35 Ill. Adm. Code 218.407, as the combined emissions of VOM from all printing lines at the source (including solvents used for cleanup operations associated with the printing lines) are below 100 lbs/day as determined in accordance with 35 Ill. Adm. Code 218.411(a)(1)(B).
- 3a. The total ink usage and associated VOM emissions shall not exceed the following limits:

Ink Usage		Maximum VOM	VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>Content</u> <u>(Lbs/Gal)</u>	<u>(Lbs/Mo)</u>	<u>(Tons/Yr)</u>
1,500	15,000	4.5	338	1.70

The emission limits are based on the maximum ink usage rate, maximum VOM content of the inks and 95% ink VOM retained on web.

- b. The total fountain solution usage and associated VOM emissions shall not exceed the following limits:

Fountain Solution Usage		Maximum VOM Content	VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lbs/Gal)</u>	<u>(Lbs/Mo)</u>	<u>(Tons/Yr)</u>
173	1,730	7.0	1,211	6.06

The emission limits are based on the maximum usage rate and maximum VOM content of the material used.

- c. The cleanup solvent usage and associated VOM emissions shall not exceed the following limits:

Solvent Usage		Maximum VOM Content	VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lbs/Gal)</u>	<u>(Lbs/Mo)</u>	<u>(Tons/Yr)</u>
414	4,142	7.5	3,105	15.53

The emission limits are based on the maximum solvent usage and maximum VOM content of the material used.

- d. Compliance with the above limits shall be determined from a running total of 12 months of data, i.e., current month's data plus the preceding 11 months.
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.
- 5a. Pursuant to 35 Ill. Adm. Code 218.411(a)(2), the Permittee shall collect and record all of the following information for all lithographic printing lines:
- i. The name, identification and VOM content of each fountain solution additive, lithographic ink and cleanup solvent used on any lithographic printing line, recorded each month;
 - ii. Inventory records from the beginning and end of each month indicating the total volume of each fountain solution additive, lithographic ink and cleanup solvent to be used on any lithographic printing line at the source;
 - iii. Monthly purchase records for each fountain solution additive, lithographic ink, and cleanup solvent used on any lithographic printing line at the source;

- iv. A daily record which shows whether a lithographic printing line at the source was in operation on that day;
 - v. The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleanup solvent and lithographic ink used at the source, calculated each month based on the monthly inventory and purchase records required to be maintained by Condition 5a(i), (ii) and (iii).
 - vi. The VOM emissions in lbs/day for the month, calculated using the above information.
- b. The Permittee shall also maintain the following records:
- i. Monthly records of hazardous air pollutant content of all inks, fountain solutions and cleanup solutions.
 - ii. Monthly HAP emissions from use of all inks, fountain solutions and cleanup solutions. Annual HAP emissions shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- c. 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 and 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 request for records during the course of a source inspection.
6. 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 Unit 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.
7. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
- a. Annual ink usage.
 - b. Annual cleanup solvent usage.
 - c. Annual fountain solution usage.

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

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
9511 West Harrison
Des Plaines, Illinois 60016

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

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

DES:JPB:psj

cc: Illinois EPA, FOS Region 1
Compliance Section
USEPA, Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions of the printing plant 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 at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from the source will be less than predicted in this summary to the extent that less material is handled, e.g., amount of inks and solutions used.

1. Emissions of volatile organic material from the source-wide operation:

- a. The total ink usage and associated VOM emissions shall not exceed the following limits:

Ink Usage		Maximum VOM Content	VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lbs/Gal)</u>	<u>(Lbs/Mo)</u>	<u>(Tons/Yr)</u>
1,500	15,000	4.5	338	1.70

The emission limits are based on the maximum ink usage rate, maximum VOM content of the inks and 95% ink VOM retained on web.

- b. The total fountain solution usage and associated VOM emissions shall not exceed the following limits:

Fountain Solution Usage		Maximum VOM Content	VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lbs/Gal)</u>	<u>(Lbs/Mo)</u>	<u>(Tons/Yr)</u>
173	1,730	7.0	1,211	6.06

The emission limits are based on the maximum usage rate and maximum VOM content of the material used.

- c. The cleanup solvent usage and associated VOM emissions shall not exceed the following limits:

Solvent Usage		Maximum VOM Content	VOM Emissions	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lbs/Gal)</u>	<u>(Lbs/Mo)</u>	<u>(Tons/Yr)</u>
414	4,142	7.5	3,105	15.53

The emission limits are based on the maximum solvent usage and maximum VOM content of the material used.

- d. Emissions of VOM from all other activities at the facility are insignificant and shall not exceed nominal hourly emission rate and 0.44 tons/year.

Total facility wide VOM = 1.70 + 6.06 + 15.53 + 0.44 = 23.73 tons/yr

2. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not 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 by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this conditions, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

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