

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Kingery Printing Company
Attn: John F. Kingery
3012 South Banker
Effingham, Illinois 62401

Application No.: 04070057

I.D. No.: 049025ABU

Applicant's Designation:

Date Received: July 19, 2004

Subject: Offset Lithographic Printing Facility

Date Issued: March 11, 2005

Expiration Date: March 11, 2010

Location: 3012 South Banker, Effingham

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of five heatset and four sheetfed coldset offset lithographic printing presses and paper scrap collection and bailing system 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., 100 tons/year for volatile organic material (VOM), 10 tons/year for a single hazardous air pollutant (HAP) and 25 tons/year for totaled HAPs). As a result, the source is excluded from the requirements 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 these locations.
2. The fountain solution used on heatset lithographic printing presses shall contain no more than eight (8) percent, by weight, of volatile organic material, pursuant to 35 Ill. Adm. Code 215.409(b).
3. No person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any coldset lithographic printing press, except the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, pursuant to 35 Ill. Adm. Code 218.301.
4. The VOM emissions from printing operations shall not exceed 10.0 tons/month and 80.0 tons/year. The VOM emissions shall be calculated using the following equations:

$$E = \sum [I_{HS} \times V_{HS} \times 0.8] + \sum [I_{CS} \times V_{CS} \times 0.05] + \sum [FS \times V_{FS}] + \sum [CU \times V_{CU} \times 0.5^*] - W \times C_w$$

Where:

E - VOM emissions (ton)

I_{HS} - Heatset ink usage (ton)

V_{HS} - VOM content of heatset ink (wt. fraction)

I_{CS} - Coldset ink usage (ton)

V_{CS} - VOM content of coldset ink (wt. fraction)

FS - Fountain solution and coating usage (ton)

V_{FS} - VOM content of fountain solution and coating (wt. fraction)

CU - Clean-up solutions usage (ton)

V_{CU} - VOM content of clean-up solutions (wt. fraction)

W - Certified amount of waste shipped off (ton)

C_w - Certified VOM content of the waste (wt. fraction)

* 50% retention factor is applicable only to manual cleanup with solvents having vapor pressure less than 10 mm of Hg

These limits are based on the maximum production rate, 20% ink's VOM retention for heatset printing press and 95% for coldset printing presses. Compliance with annual limits shall be determined from a running total of 12 months of data.

5. The VOM emissions from natural gas combustion in the heatset presses dryers shall not exceed 0.3 ton/yr. This limit is based on the usage of 112 mmscf of natural gas per year and standard emission factor.
6. This permit is issued based on negligible emission of particulate matter from the paper scrap collection and bailing system. For this purpose emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
7. The emissions of hazardous air pollutants (HAP) 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 by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

8. The Permittee shall maintain monthly records of the following items:
 - a. Names and amounts of heatset and coldset inks used;
 - b. VOM and HAP content of inks (wt. %);
 - c. Names and amounts of other VOM-containing materials used;
 - d. VOM and HAP content of other VOM-containing materials (wt. %);
 - e. Vapor pressure of cleaning solvents (mm of Hg); and
 - f. VOM and HAP emissions with supporting calculations (tons/month and tons/year).
9. 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 the Illinois EPA or USEPA request for records during the course of a source inspection.
10. 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.
11. 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
2009 Mall Street
Collinsville, Illinois 62234

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

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

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cc: Illinois EPA, FOS Region 3
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission from the Printing 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 below the levels, e.g., 100 tons per year of VOM, 10 tons per year for a single HAP, and 25 tons per year for totaled HAP 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 material is handled, and control measures are more effective than required in this permit.

<u>Emission Units</u>	<u>VOM</u>	<u>Emissions (Tons/Yr)</u>		
		<u>PM</u>	<u>Single HAP</u>	<u>Total HAP</u>
Printing Presses	80.0	----	< 10	< 25
Paper Handling System	----	0.44	----	----
Dryers	<u>0.3</u>	----	----	----
Totals:	<u>80.3</u>	<u>0.44</u>	<u>< 10</u>	<u>< 25</u>

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