

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Vertis, Inc.  
Attn: Stephen Hultquist  
250 West Pratt Street, 18<sup>th</sup> Floor  
Baltimore, Maryland 21201

Application No.: 01040042

I.D. No.: 031600GJN

Applicant's Designation:

Date Received: June 4, 2001

Subject: Lithographic Printing Facility

Date Issued:

Location: 5565 North Lynch Street, Chicago

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of one non-heatset web offset lithographic printing press and six non-heatset sheet-fed offset lithographic printing presses 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 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 for this location.
2. This permit is issued based upon the lithographic printing facility being exempt from the control requirements of 35 Ill. Adm. Code Part 218, Subpart H: Printing and Publishing, Section 219.407: Emission and Control Requirements for Lithographic Printing Lines On and After March 15, 1996. This is consequence of the combined daily emission rate of volatile organic materials (VOM) from all subject presses at the facility never exceeding an applicability threshold of 100 lb/day established by Section 219.405(d)(2) and determined in accordance with Section 219.411(a)(1)(B).
3. The paper coating operations performed on the printing press are subject to emission limitations of 35 Ill. Adm. Code Part 218, Subpart F. The VOM content of the coatings, as applied, on the printing press shall not

exceed 2.3 lb/gal excluding water and any compounds which are specifically exempted from the definition of VOM.

4. Plant-wide VOM emissions from printing and coating operations shall not exceed 2.0 tons/month and 18.0 tons/year. The VOM emissions shall be calculated using the following equations:

$$E = \sum(I_m \times V_{Im} \times 0.05) + \sum(S_n \times V_{Sn}), \text{ where}$$

- E - VOM emissions (ton);
- I<sub>m</sub> - ink usage (ton);
- V<sub>Im</sub> - VOM content of ink (wt. fraction);
- S<sub>n</sub> - other VOM-containing materials used on the printing press (fountain and cleaning solutions and coatings);
- V<sub>Sn</sub> - VOM content of other VOM-containing materials (wt. fraction).

These limits are based on the maximum production rate and 95% ink VOM retention. Compliance with annual limits shall be determined from a running total of 12 months of data.

5. The emissions of 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 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 condition, 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.
6. The Permittee shall maintain monthly records of the following items:
  - a. Names and amounts of lithographic inks, fountain solutions and clean-up solvents used (lb/mo or gal/mo);
  - b. VOM content of materials in item (a)(lb/gal or wt%);
  - c. The number of days during that calendar month that lithographic printing lines were in operation;
  - d. VOM emissions calculations for lithographic printing presses to demonstrate compliance with the exemption level of the daily VOM emissions performed pursuant to the procedures of Section 218.411 (a)(1)(B) (lb/mo and lb/day).
7. 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.
8. 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.

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9. 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 Illinois EPA  
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 Illinois EPA  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016

10. The Permittee shall submit the following additional information with the Annual Emission Report, due May 1st of each year: annual inks and solvents usage from the prior calendar year.

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

DES:VJB  
cc: Region 1

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 well below the levels, e.g., 25 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.

1. Plant-wide VOM emissions from printing and coating operations shall not exceed 2.0 tons/month and 18.0 tons/year. The VOM emissions shall be calculated using the following equations:

$$E = \sum(I_m \times V_{Im} \times 0.05) + \sum(S_n \times V_{Sn}), \text{ where}$$

- E - VOM emissions (ton);
- $I_m$  - ink usage (ton);
- $V_{Im}$  - VOM content of ink (wt. fraction);
- $S_n$  - other VOM-containing materials used on the printing press (fountain and cleaning solutions and coatings);
- $V_{Sn}$  - VOM content of other VOM-containing materials (wt. fraction).

VJB: