

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT  
RENEWAL

PERMITTEE

Technipaq, Inc.  
Attn: Philip Rosenberg  
975 Luther Drive  
Crystal Lake, Illinois 60014

<u>Application No.:</u> 94110084	<u>I.D. No.:</u> 111801ABK
<u>Applicant's Designation:</u> PRESSLAMIN	<u>Date Received:</u> September 5, 2000
<u>Subject:</u> Printing and LAMINATING Operation	
<u>Date Issued:</u> October 22, 2002	<u>Expiration Date:</u> October 22, 2007
<u>Location:</u> 975 Luther Drive, Crystal Lake	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of a flexographic printing press (6-color) with dryer, roll to roll laminator with sealer, adhesive laminator, and 10 small heating units 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., volatile organic materials (VOM) to less than 25 tons/year, total combined hazardous air pollutants (HAPs) to less than 25 tons/year, and any single hazardous air pollutant (HAP) to less than 10 tons/year). 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 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.

3. Emissions and operation of the flexographic printing press and 2 laminating machines shall not exceed the following limits:

<u>Materials</u>	<u>VOM Usage</u>		<u>VOM Emissions</u>	
	<u>(Lb/Mo)</u>	<u>(Lb/Yr)</u>	<u>(Lb/Mo)</u>	<u>(Tons/Yr)</u>
Coatings	3,624	36,240	3,624	18.12
Inks	396	3,960	396	1.98
Clean-Up Solvents	960	9,600	960	4.80

These limits are based on complete volatilization of the VOM content, material VOM usage = material VOM content x material usage, and the information provided in the permit application. Compliance with annual limits shall be determined from a running total of 12 months of data.

4. The Permittee shall not apply coatings in a manner that the daily weighted average of the coatings, as applied, whose VOM content exceeds 2.3 lb/gallon minus water and other exempted compounds, pursuant to 35 Ill. Adm. Code 218.205(a) and 218.204(c).
5. Emissions and operation of natural gas combustion shall not exceed the following limits:

<u>Process</u>	<u>Natural Gas Usage</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>Factor</u>	<u>(Lb/Mo)</u>	<u>(T/Yr)</u>
Natural Gas Combustion	3.2	32	NO <sub>x</sub>	100	320	1.60
			CO	84	269	1.34
			PM	7.6	24	0.12
			VOM	5.5	18	0.09
			SO <sub>2</sub>	0.6	2	0.01

These limits are based on standard AP-42 emission factors, natural gas as the only fuel fired in the process and the information provided in the permit application. Compliance with annual limits shall be determined from a running total of 12 months of data.

6. 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.
7. 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.
8. The Permittee shall maintain the following records:
  - a. Name, usage (gallons/month and gallons/year), VOM and HAP content (lb/gallon or % weight), VOM and HAP emissions (lb/month and tons/year) for the following materials:

- i. Inks;
    - ii. Coatings;
    - iii. Adhesives; and
    - iv. Solvents
  - b. Daily weighted average VOM content of coatings (as applied) minus water and other exempted compounds each day.
  - c. Natural gas usage (mmscf/month and mmscf/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 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.
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  
9511 West Harrison  
Des Plaines, Illinois 60016

12. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:

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- a. Usage records for inks, coatings, adhesives, and solvents; and
- b. Coatings daily weighted average VOM content minus water and other exempted compounds as applied.

It should be noted that this permit has been revised to reflect the removal of the 2-color flexographic printing press.

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

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

DES:EEJ:psj

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

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the printing and lamination operation 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. Limiting the VOM usage of solvents, inks, and coatings, and limiting natural gas usage for the facility. The resulting maximum emissions are well below the levels, e.g., 25 tons/year of volatile organic material (VOM), 25 tons/year of total combined hazardous air pollutants (HAPs), and 10 tons/year of any single hazardous air pollutant (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 less material is handled, and control measures are more effective than required in this permit.

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