

217/782-2113

REVISED  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

TIN, Inc.  
d/b/a Temple Inland  
Attn: Jerry Santefort  
2555 South Leavitt Street  
Chicago, Illinois 60608

<u>Application No.:</u> 98120062	<u>I.D. No.:</u> 031600GFH
<u>Applicant's Designation:</u> BOXPLANT	<u>Date Received:</u> December 6, 2005
<u>Subject:</u> Corrugated Box Plant	
<u>Date Issued:</u> August 2, 2006	<u>Expiration Date:</u> October 28, 2009
<u>Location:</u> 2555 South Leavitt Street, Chicago, 60608	

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of 8 printing presses, 2 board coaters, and gluing operation as described in 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:
  - i. To limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons per year of volatile organic material (VOM), 25 tons per year of combined hazardous air pollutants (HAPs), and 10 tons per year of a single 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.
  - ii. To limit the emissions of volatile organic material from the source to less than 25 tons/year. As a result, the source is excluded from the requirements of 35 Ill. Adm. Code Part 205, Emission Reduction Market System. 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. Emissions and operation of all 8 presses, 2 board coaters, and gluing shall not exceed the following limits:

<u>Material</u>	<u>Each Unit (Lbs/Hour)</u>	<u>VOM Usage and Emissions</u>	
		<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Glue	8		0.7
Flexographic Ink	8	1.9	19.0
2 Black Corp. Board Coaters	8	0.15	<u>1.5</u>
		Total:	21.2

These limits are based on maximum operating rates, all VOM evaporated into the atmosphere and 35 Ill. Adm. Code 218.301. Compliance with annual limits shall be determined from a running total of 12 months of data.

- 3a. This permit is issued based on the use of no volatile organic material (VOM) in all clean-up operations.
- b. This permit is also issued based on the VOM content in the glue not exceeding 2.3 lb/gal, pursuant to 35 Ill. Adm. Code 218.204(c).
4. Emissions and operation of all natural gas combustion units shall not exceed the following limits:

<u>Natural Gas Usage</u>		<u>Emissions</u>	
<u>(mmscf/Month)</u>	<u>(mmscf/Year)</u>	<u>NO<sub>x</sub> (Tons/Year)</u>	<u>CO (Tons/Year)</u>
3	30	1.5	1.3

These limits are based on standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

5. This permit is issued based on the potential to emit (PTE) for hazardous air pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act being less than 10 tons/yr of any single HAP or 25 tons/yr of any combination of such HAPs, or such less quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program (CAAPP) permit from the Illinois EPA.
6. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the equipment covered under this permit such that the equipment be kept in proper working condition and not cause a violation of the Environmental Protection Act or regulations promulgated therein.
7. In the event that the operation of this source 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.

8. The Permittee shall maintain records of the following items:
  - a. Natural gas usage (mmscf/month and mmscf/year);
  - b. Usage of each material (gallons/month and gallons/year);
  - c. VOM and HAP content of each material (lb/gallon or weight %); and
  - d. VOM, single HAP and total HAPs emissions (tons/month and tons/year).
  - e. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five years from the date of entry and shall be made available for inspection and copying by the Illinois EPA 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.
9. If there is an exceedance of or deviation from 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/deviation. 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 deviation and efforts to reduce emissions and future occurrences.
10. Two (2) copies of required reports and notifications 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

Please note that the cutting machines are exempt from state permit requirements pursuant to 35 Ill. Adm. Code 201.146(aa).

Please note that the natural gas usage limit has been increased as requested.

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

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

DES:RBS:psj

cc: Illinois EPA, FOS Region 1  
USEPA

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the corrugated box manufacturing 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. This is handling 178 tons of ink. The resulting maximum emissions are below the levels (e.g., 100 tons per year of VOM, 10 tons per year of a single HAP and 25 tons per year of combined HAPs) 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, coatings used and control measures are more effective than required in this permit.

<u>Material</u>	<u>VOM</u> <u>(Tons/Year)</u>	<u>NO<sub>x</sub></u> <u>(Tons/Year)</u>	<u>CO</u> <u>(Tons/Year)</u>	<u>HAPs</u>	
				<u>Single</u> <u>(Tons/Year)</u>	<u>Combined</u> <u>(Tons/Year)</u>
Glue	0.7				
Flexographic Inks	19.0				
Natural Gas 2 Coaters	<u>1.5</u>	1.5	1.3		
Totals	21.2	<u>1.5</u>	<u>1.3</u>	<u>&lt; 10</u>	<u>&lt; 25</u>

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