

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

- REVISED -

PERMITTEE

FCI, Inc.  
Attn: Paul Bartolomei  
1750 North Lawndale Avenue  
Chicago, Illinois 60647

Application No.: 99070012

I.D. No.: 031600GGJ

Applicant's Designation: 4SPRAYBOOTHs

Date Received: November 2, 2000

Subject: Wood Coating Operation

Date Issued: December 27, 2000

Expiration Date: December 27, 2004

Location: 1750 North Lawndale, Chicago

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of 5 wood furniture coating spray booths 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 material (VOM) to less than 25 tons per year, total combined hazardous air pollutants (HAPs) to less than 25 tons per year, and single hazardous air pollutants (HAP) to less than 10 tons per 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 (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.
3. Emissions and operation of wood furniture coating operation shall not exceed the following limits:

<u>Coating</u>	VOM Usage		VOM Emissions	
	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
Wood Coatings (Stains, Varnishes, Lacquers and Sealers)	5,667	17	5,667	17

(Continued)

<u>Coating</u>	VOM Usage		VOM Emissions	
	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
Thinners	1,768	5.3	1,768	5.3
Cleaning Solvents	494	2.3	494	2.3
Adhesive	10	0.04	10	<u>0.04</u>
			Total:	24.64

These limits are based on complete volatilization of the VOM and HAP contents in coatings, VOM usage = VOM content x usage, and 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 maintain monthly and annual records of the following items:
  - a. Name, usage (gallon/month and gallon/year), VOM and HAP content (lb/gal), and VOM and HAP emissions (lb/month and ton/year), of the following:
    - i. Wood Coatings
    - ii. Thinner
    - iii. Cleaning Solvents
    - iv. Adhesives
  - b. Must comply with recordkeeping requirements in 35 Ill. Adm. Code 218.211(b).
5. 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.
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 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.

7. 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

8. Annual emissions of volatile organic material (VOM) shall not exceed 24.64 tons, which shall be the permitted emissions for this site.
9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: Material usage of items listed in Condition 4(a).

Please note that this permit has been revised to incorporate Construction Permit #00110008 and to exempt the 3 air make-up units from state permitting requirements, pursuant to 35 Ill. Adm. Code 210.146(d).

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:jar

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 wood coating 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. The resulting maximum emissions are well below the levels, e.g., 25 tons per year of VOM, 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.

1. Emissions and operation of wood furniture coating operation shall not exceed the following limits:

<u>Coating</u>	<u>VOM Usage</u>		<u>VOM Emissions</u>	
	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
Wood Coatings (Stains, Varnishes, Lacquers and Sealers)	5,667	17	5,667	17
Thinners	1,768	5.3	1,768	5.3
Cleaning Solvents	494	2.3	494	2.3
Adhesive	10	0.04	10	<u>0.04</u>
			Total:	24.64

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

2. Emissions and operation of 3 air make-up units shall not exceed the following limits:

<u>Item of Equipment</u>	<u>Maximum Firing Rate (mmBtu/Hr)</u>	<u>Pollutant</u>	<u>Emission Factor (Lb/mmcf)</u>	<u>Emissions</u>	
				<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>
Air Make-Up Unit	2.92	NO <sub>x</sub>	100	0.29	1.25
		CO	84	0.24	1.05
		TSP	7.6	0.02	0.10
		VOM	5.5	0.02	0.07
Air Make-Up Unit	1.98	NO <sub>x</sub>	100	0.19	0.85
		CO	84	0.16	0.71
		TSP	7.6	0.01	0.06

		VOM	5.5	0.01	0.05
Air Make-Up Unit	1.78	NO <sub>x</sub>	100	0.17	0.76
		CO	84	0.15	0.64
		TSP	7.6	0.01	0.06
		VOM	5.5	0.01	0.04

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These limits are based on standard AP-42 emission factors, natural gas as the only fuel fired in the air make-up units and 8,760 hours of operation. Compliance with annual limits shall be determined from a running total of 12 months of data.

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