

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - RENEWAL

PERMITTEE

Interior Crafts, Inc.
Attn: Michael Ursini
2513 West Cullerton Street
Chicago, Illinois 60608

Application No.: 96120105

I.D. No.: 031600FZW

Applicant's Designation:

Date Received: January 12, 2004

Subject: Wood Furniture Manufacturing

Date Issued:

Expiration Date:

Location: 2513 West Cullerton 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 five spray coating booths, adhesive bonding area, and three boilers 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 (FESOP) is issued to limit the emissions of volatile organic material (VOM) from the source to less than 100 tons/year, and hazardous air pollutants (HAPs) from the facility to less than 10 tons/year of any single HAP and less than 25 tons/year of a combination of all HAPs, as further described in Attachment A. As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program permit.
 - b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
 - c. This permit supersedes the current permit(s) issued for this location.
- 2a. The emissions of HAPs as listed in 40 CFR 63, Subpart JJ (NESHAP) shall not equal or exceed 5.0 tons per year of any single HAP or 12.5 tons per year of any combination of such HAPs. This permit is issued based on wood furniture coating operations being exempt from the requirements of the NESHAP requirements in 40 CFR 63, Subpart JJ. This is a consequence of the voluntary limits placed on operations and emissions contained in this federally enforceable permit.
 - b. The emissions of HAPs as listed in Section 112 (b) of the Clean Air Act shall not equal or exceed 5.0 tons per year of any single HAP or 12.5 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.

3. This permit is issued based on wood furniture coating operations not being subject to the requirements of 218.204(1) pursuant to 35 Ill. Adm. Code 218.208(b). This is a consequence of the voluntary limits placed on operations and emissions contained in this federally enforceable permit.
- 4a. Within 30 days of a written request from the Illinois EPA the Permittee shall submit data on representative coatings and solvent as applied, determined by laboratory analysis in accordance with the procedures of 35 Ill. Adm. Code Section 218.105.
 - b. The submitted data shall include the weight percent VOM and/or HAP content of the coatings and solvent, a justification of why these are representative, and a description of the sampling procedures, and a documentation for the analysis.
 - c. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee that shows that it is not feasible to perform representative testing within 30 days.
- 5a. Operation of all spray coating booths shall not exceed the following limits:
 - i. Coating Usage: 900 gal/month and 5,800 gal/year.
 - ii. Solvent usage for cleanup activities and for thinning/reducing coatings: 500 gal/month and 2,800 gal/year.
- b. Emissions of VOM shall not exceed the following limits:
 - i. Coating Operations: 3.00 ton/month and 15.00 ton/year of VOM emissions
 - ii. Cleanup and thinner solvent: 3,300 lb/month and 9.25 ton/year of VOM emissions
- c. HAPs emissions (HAP totals, from all cleanup/thinner solvent and coatings) shall not exceed the following limits:

<u>Any Single HAP</u> <u>(Lb/Month)</u>	<u>(Tons/Year)</u>	<u>Combined HAP Emissions</u> <u>(Lb/Month)</u>	<u>(Tons/Year)</u>
1,250	4.99	3,150	12.49
- d. These limits define the potential emissions of VOM and HAPs and are based on the maximum production capacity.
- 6a. The Permittee shall maintain records of the following items:
 - i. The name and identification number of each coating and cleanup solvent as applied.

- ii. The weight of VOM and HAP per volume of each coating and cleanup solvent (minus water and exempt compounds which are specifically exempted from the definition of VOM) as applied.
 - iii. Coating usage (lb/month and lb/year).
 - iv. Cleanup and thinner solvent usage (lb/month and lb/year).
 - v. The name and identification number of each HAP as applied.
 - vi. Consumption for individual and total HAPs (lb/month and lb/year).
 - vii. VOM and HAP emissions (lb/month and tons/year).
- b. 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 a computer shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond them to an Illinois EPA request for records during the course of a source inspection.
7. If there is an exceedance of the requirements of this permit as determined by the record required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance and System Management Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the record keeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences. This report should be sent to:
- Illinois Environmental Protection Agency
 Division of Air Pollution Control
 Compliance Section (#40)
 P.O. Box 19276
 Springfield, Illinois 62794-9276
8. Emissions and operation of the natural gas-fired fuel combustion units shall not exceed the following limits:

Natural Gas Usage	
<u>(10⁶ scf/Month)</u>	<u>(10⁶ scf/Year)</u>
14.5	174

<u>Pollutant</u>	Emission Factor	Emissions	
	<u>(Lb/scf)</u>	<u>(Lb/Month)</u>	<u>(Tons/Year)</u>
NO _x	100	1,450	8.70
CO	84	1,218	7.31
PM	7.6	110	0.66
VOM	5.5	80	0.48
SO ₂	0.6	9	0.05

These limits are based on standard emission factors (AP-42, 1.4, 3/98) at maximum fuel usage. Compliance with annual limits shall be determined from a running total of 12 months of data.

9. 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.

If you have any questions on this permit, please call John Blazis 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 1
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the wood furniture manufacturing 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, (i.e. VOM less than 25 tons per year, individual HAP less than 10 tons per year and combined HAPs less than 25 tons per year) 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 of VOM from the coating operations:

a. <u>Coatings:</u>	VOM Emissions <u>(Tons/Year)</u>
	15.00
b. <u>Cleanup and Thinner Solvent:</u>	VOM Emissions <u>(Tons/Year)</u>
	9.25

2. Total Emissions of HAPs from the Source:

<u>Emissions of any Single HAP (Tons/Year)</u>	<u>Emissions of Combined HAPs (Tons/Year)</u>
4.99	12.49

3. Natural Gas Combustion:

<u>Pollutant</u>	<u>Annual Emissions (Tons/Year)</u>
NO _x	8.68
CO	7.29
PM	0.66
VOM	0.48

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