

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Riverton Custom Cabinetry, Inc.  
Attn: William C. Wilson  
22000 Schoolhouse Road  
New Lenox, Illinois 60451

<u>Application No.:</u> 00030064	<u>I.D. No.:</u> 197070AAR
<u>Applicant's Designation:</u> SPRAYBOOTH	<u>Date Received:</u> March 20, 2000
<u>Subject:</u> Coating Operation	
<u>Date Issued:</u> October 22, 2002	<u>Expiration Date:</u> October 22, 2007
<u>Location:</u> 22000 Schoolhouse Road, New Lenox	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of two spray booths and clean up operations 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)). 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.
- 2a. This permit is issued based on the coating operations described in the application being exempted from the requirements of 35 Ill. Adm. Code 218.204(1) for wood furniture coating, pursuant to 35 Ill. Adm. Code 218.208(b)(2). Total emissions of volatile organic material (VOM) from the coating operation is limited to less than 25 tons per year in a federally enforceable permit.
- b. Pursuant to 35 Ill. Adm. Code Section 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hour (8 lbs/hour) of organic material into the atmosphere from any emission unit, except as provided in Sections 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of Subpart G shall apply only to photochemically reactive material.
3. Emissions of VOM and operation of the two spray paint booths and clean up operations shall not exceed the following limits:

VOM Usage		VOM Emissions	
<u>(Tons/Month)</u>	<u>(Tons/Year)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
2.4	24.0	2.4	24.0

These limits define the potential emissions of VOM and are based on maximum material usages and individual VOM content. VOM usage and emissions shall be calculated using the equation in Condition 6(c). Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

4. 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.
5. 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.
6. The Permittee shall maintain records of the following items:
  - a. Amount of each coating, adhesive, thinners, clean up solvents, and any other VOM containing material used in the coating operation (gallons or tons/month and gallons or tons/year);
  - b. VOM content of each coating, adhesive, thinners, clean up solvents, and any other VOM containing material used in the coating operation (lb VOM/gallon or wt. %); and
  - c. Detailed calculations of VOM usage and emissions. The following equations shall be used to calculate VOM emissions:

$$T_e = \sum_i^n A_i B_i$$

Where:

$T_e$  = VOM usage/emissions in units of lb/month;

$N$  = Number of different coating, adhesive, thinners, clean up solvents, and any other VOM containing material used each month;

$i$  = Subscript denoting an individual coating, adhesive, thinners, clean up solvents, and any other VOM containing material;

$A_i$  = VOM content of each individual coating, adhesive, thinners, clean up solvents, and any other VOM containing material used each month in units of lbs VOM/gallon or % wt; and

$B_i$  = Amount of each coating, adhesive, thinners, clean up solvents, and any other VOM containing material used each month in units of gallons/month or lbs/month.

- 7a. The Permittee shall obtain appropriate permit revisions from the Illinois EPA in advance of any change in operation which would result in VOM emissions that are in excess of 25 tons per year.
- b. The Permittee shall be required to comply with the requirements of 35 Ill. Adm. Code 218.204(1) if VOM emissions for the plant exceed 25 tons per year.
8. 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.
9. 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.
10. 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

11. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: solvent usages, solvent VOM content, and detailed calculations of VOM usage/emissions from the prior calendar year. If there has been no exceedance of a requirement of this permit during the prior calendar year, the annual emission report shall contain a statement to that effect.

If you have any questions on this, please call Tara T. Nguyen-Ede at 217/782-2113.

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

DES:TNE: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 Coating 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 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 and operation of the two spray paint booths and clean up operations shall not exceed the following limits:

VOM Usage		VOM Emissions	
<u>(Tons/Month)</u>	<u>(Tons/Year)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
2.4	24.0	2.4	24.0

These limits define the potential emissions of VOM and are based on maximum material usages and individual VOM content. VOM usage and emissions shall be calculated using the equation in Condition 6(c). Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

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.

TNE:psj