

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT  
RENEWAL

PERMITTEE

The Kewanee Corporation  
Attn: Steve Screeton  
1642 Burlington Avenue  
Kewanee, Illinois 61443

Application No.: 73110003                      I.D. No.: 073065AAF  
Applicant's Designation: MTL FBRCTN        Date Received: April 13, 2001  
Subject: Prefabricate metal for Buildings  
Date Issued: July 10, 2001                    Expiration Date: July 10, 2006  
Location: 1642 Burlington Avenue, Kewanee

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of metal fabricating 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., 100 tons/yr for VOM, 10 tons/yr for a single HAP and 25 tons/yr for combined HAPs). As a result, the source is excluded from the requirements 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 permit(s) for this location.
- 2a. Operations and emissions from the coating operations, including clean-up, shall not exceed the following limits:

<u>Material</u>	<u>VOM Usage and Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Paint	11.25	67.75
Grey Primer	0.39	2.33
Solvent	1.65	12.45
Door Assembly Foam Injection	0.54	<u>4.1</u>
	Total	<u>86.7</u>

- b. Coatings, as applied, including thinner or makeup solvent, shall not exceed 3.5 lb/gal pursuant to 35 Ill. Adm. Code 215.204(j).

- c. Emissions from natural gas combustion shall not exceed the following limits:

Natural Gas Usage		E M I S S I O N S		E M I S S I O N S		E M I S S I O N S		E M I S S I O N S	
(mmscf/Mo)	(mmscf/Yr)	NO <sub>x</sub>	CO	PM	VOM	(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)
24	235	1.2	11.8	1	9.9	0.1	0.9	0.07	0.7

- d. These limits are based on maximum material usage, VOM contents and standard AP-42 emission factors. Compliance with annual limits shall be determined on a monthly basis from the sum of the data from the previous month plus the preceding 11 months (i.e., a 12 month running total).
3. This permit is issued based on emissions of carbon monoxide (CO), from each fuel combustion emission unit not exceeding 200 ppm, corrected to 50% excess air, pursuant to 35 Ill. Adm. Code 216.121.
4. This permit is also issued based on negligible emissions of particulate matter and VOM from the use of acid and glue for the door assembly. For this purpose, emissions of each pollutant from each material shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
5. This permit is also issued based on emissions of volatile organic material (VOM) emissions from the door assembly operation not exceeding 8 lb/hour, pursuant to 35 Ill. Adm. Code 215.301.
6. 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.
7. 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.
8. The Permittee shall maintain records of the following items:
- Material usage (gallon/month or lb/month);
  - VOM and HAP content of each material (lb/gallon or wt. %); and
  - VOM, single HAP and total HAPs emissions (tons/month and tons/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 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.

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 Agency's Compliance Unit 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 exceedances 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  
5415 North University  
Peoria, Illinois 61614

12. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: material usage (gallon/month or lb/month); VOM and HAP content of each material (lb/gallon or wt. %); and VOM, single HAP and total HAPs emissions (tons/month and tons/year).

If you have any questions on this permit, 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: IEPA, FOS Region 2  
IEPA, Compliance Section  
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission from the metal coating plant, operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Agency used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, 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 material is handled, coatings used and control measures are more effective than in this permit.

1. Operations and emissions from the coating operations, including clean-up, shall not exceed the following limits:

<u>Material</u>	<u>VOM Usage and Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Paint	11.25	67.75
Grey Primer	0.39	2.33
Solvent	1.65	12.45
Door Assembly Foam Injection	0.54	<u>4.1</u>
	Total	<u>86.7</u>

2. This permit is issued based on negligible emissions of particulate matter and VOM from the use of acid and glue for the door assembly operations. For this purpose, emissions of each pollutant from each material shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
3. Emissions from natural gas combustion shall not exceed the following limits:

<u>Natural Gas Usage</u>		<u>E M I S S I O N S</u>							
<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>	<u>NO<sub>x</sub></u>	<u>CO</u>	<u>PM</u>	<u>VOM</u>	<u>(T/Mo)</u>	<u>(T/Yr)</u>	<u>(T/Mo)</u>	<u>(T/Yr)</u>
24	235	1.2	11.8	1	9.9	0.1	0.9	0.07	0.7

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.

Attachment B - Metal Fabricating Operation Emission Units

- Door Assembly Acid Wash
- Door Assembly Water Activated Glue
- Door Assembly Foam Injection
- Door Assembly Honey Comb Expander
- Mig Welders
- Paint Line Phosphate Wash
- Paint Line Phosphate Wash Heater
- Paint Line Dryoff Heater
- Paint line Spray Booths
- Paint Line Flow Coater
- Paint Line Bake Oven Burner
- Paint Booth # 2
- Air Makeup Heaters
- Edge Grinder
- Paint Booth # 3

RBS:jar