

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - REVISED

PERMITTEE

The W. W. Henry Company  
Attn: Daniel Wesoloski  
150 Mooney Drive  
Bourbonnais, Illinois 60914

<u>Application No.:</u> 91100101	<u>I.D. No.:</u> 091015AAA
<u>Applicant's Designation:</u>	<u>Date Received:</u> August 21, 2001
<u>Subject:</u> Adhesives, Floor Care and Cement	Products Manufacturing Plant
<u>Date Issued:</u> October 22, 2001	<u>Expiration Date:</u> July 26, 2006
<u>Location:</u> 150 Mooney Drive, Bourbonnais	

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of:

Adhesive Plant Comprised of Eighteen Fully Enclosed Mixers and Five Opened Mixers, all Controlled by Three Dust Collectors  
Two Floor Care Partially Enclosed Mixers Controlled by a Dust Collector  
Powder Plant Comprised of:

Four Cement Silos Each Controlled by a Baghouse  
One Weigh Hopper Controlled by a baghouse  
Two Cement Product Mixers Controlled by a Baghouse

Raw Materials Storage Tanks

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 per year for volatile organic materials (VOM)). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program 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.
2. Operation and emissions of the adhesive and floor care plants shall not exceed the following limits:

a. VOM Emissions:

<u>Emission Unit</u>	<u>VOM Usage</u>		<u>Emission</u>	<u>VOM Emissions</u>	
	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
			<u>(%)</u>		

Adhesives

Enclosed Mixers	350	3,400	0.5	1.8	17.0
Opened Mixers	60	600	2.0	1.2	12.0
Floor Care Mixers	250	2,500	1.0	2.5	<u>25.0</u>
				Total:	54.0

b. PM Emission:

<u>Emission Unit</u>	<u>Solids Usage</u>		<u>Emission Factor</u>	<u>Control</u>	<u>PM Emissions</u>	
	<u>(T/Mo)</u>	<u>(T/Yr)</u>		<u>Efficiency (%)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
Adhesive Plant	12,000	120,000	1 %	99.5	1,200	6.0
Floor Care Plant	2,200	22,000	1 %	99.0	440	2.2

These limits are based on maximum production rate and standard emission factors. 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.

3. This permit is issued based on negligible emissions of particulate matter from the powder plant. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
4. This permit is issued based on negligible emissions of volatile organic materials from raw materials storage tanks. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
5. The emissions of hazardous air pollutants as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single hazardous air pollutant or 25 tons per year of any combination of such hazardous air pollutants, 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 hazardous air pollutants from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.
6. The Permittee shall maintain monthly records of the following items:
  - a. Names and amounts of raw material used at each group of mixers designated in the Condition 2a (tons/mo, tons/yr);
  - a. VOM and HAP content of raw materials used (wt %);
  - b. VOM and HAP emission calculations (tons/mo, tons/yr).
7. 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 the Illinois EPA or USEPA request for records during the course of a source inspection.
8. 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 and Enforcement Section in Springfield 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.

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: names and amounts of raw materials used (tons/year) and their VOM and HAP content (wt %).
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

It should be noted that this permit has been revised to include operations of six adhesive mixers described in Construction Permit 01080072 without an increase of raw materials usage and emissions above permitted limits.

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

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

DES:VJB: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 this 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 usage of 6,500 tons of organic materials and 250,000 tons of solid materials per year. The resulting maximum emissions are well below the levels, e.g., 100 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. Operation and emissions of the adhesive and floor care plants shall not exceed the following limits:

<u>Emission Unit</u>	<u>VOM Usage</u>		<u>Emission</u>	<u>VOM Emissions</u>	
	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
<u>Adhesives</u>					
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hazardous air pollutants from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

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