

- b. Emissions and operation of equipment shall not exceed the following limits:

<u>Item of Equipment</u>	<u>Additive Usage</u>		<u>VOM Emissions</u>	
	<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
#13 Machine	465	5,000	0.7	6.7

These limits are based on maximum additive usage, 1.5 pounds of additive per ton of board, 85 tons per day of board, VOM content of 30% by weight, and 333 operating days per year.

- c. Emissions and operation of glue kitchen shall not exceed the following limits:

<u>Dry Glue Usage</u>		<u>VOM/HAP Content</u> <u>(% Wt.)</u>	<u>VOM/HAP Emissions</u>	
<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>		<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
41	410	1.8	0.74	7.4

These limits are based on maximum material usage and VOM/HAP contents. Compliance with annual limits shall be determined from a running total of 12 months of data.

- d. 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. 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.
4. The Permittee shall maintain records of the following items:
- Gas usage of all stationary engine generators (mmcf/mo and mmcf/yr)
 - Emissions of NO_x and VOM from all stationary engine generator (ton/mo and ton/yr)
 - Gas usage of paper dryers, boilers and space heaters (mmcf/mo and mmcf/yr)
 - Emissions of NO_x and VOM from paper dryers, boilers and space heaters (ton/mo and ton/yr)

- e. Additive usage (gal/mo and gal/yr)
 - f. Emissions of VOM from the additive in the #13 machine (ton/mo and ton/yr)
 - g. Glue kitchen material usage (ton/month and ton/year).
 - h. Emissions of VOM/HAP from the glue kitchen (ton/mo and ton/yr).
 - i. VOM and HAP contents of the glue kitchen materials and the additive.
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. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: natural gas usage for the stationary engine generators and for all other fuel combustion equipment. If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

Page 4

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

DES:JPB:jar

cc: IEPA, FOS Region 1
IEPA, Compliance Section
USEPA - Lotus Notes

Attachment A

This attachment provides a summary of the maximum emission from this 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 facility. This is using 166 million cubic feet of natural gas for the generation of electricity and using 630 million cubic feet of natural gas for the drying, process, and heating. The resulting maximum emissions are below the levels, (i.e., 100 tons per year of NO_x and 25 tons 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 all equipment will not be operated all the time at the same time and at maximum levels.

1. Total operation and emissions from the four stationary engine generators:

<u>Maximum Rated Capacity (Horsepower)</u>	<u>Annual Gas Usage (mmcf/yr)</u>	<u>Pollutant</u>	<u>Emission Rate (Lb/mmscf)</u>	<u>Emissions (Tons/Yr)</u>
1,085 (each unit)	36	NO _x	630	11.3
		VOM	190	3.4
		CO	530	9.5

These limits are based on maximum values and manufacturer's emission factors for these stationary engine generators combusting natural gas.

2. Total operation and emissions from the two paper dryers, three boilers and space heaters:

<u>Annual Gas Usage Emissions (mmcf/Yr) (Tons/Yr)</u>	<u>Pollutant</u>	<u>Emission Rate (Lb/mmscf)</u>
307	NO _x	100.0
15.4	VOM	5.5
0.8	CO	84.0
12.9		

These limits are based on maximum values and AP-42 emission factors for small industrial boilers combusting natural gas.

3. Total operation and emissions from the #13 machine:

<u>Annual Additive Usage Emissions (Gallons/Yr) (Tons/Yr)</u>	<u>Additive Density (Lbs/Gallon)</u>	<u>Weight % VOM (Percent)</u>	<u>Pollutant</u>
5,000 6.7	8.87	30	VOM

These limits are based on maximum values and mass balance for the additive.

Page 2

4. Emissions and operation of glue kitchen shall not exceed the following limits:

<u>Dry Glue Usage Emissions (Ton/Mo) (Ton/Yr)</u>	<u>VOM/HAP Content (% Wt.)</u>	<u>VOM/HAP (Ton/Mo)</u>
41 7.4	410	1.8
		0.74

These limits are based on maximum material usage and VOM/HAP contents. Compliance with annual limits shall be determined from a running total of 12 months of data.

5. 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.

JPB:jar