

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- RENEWAL

PERMITTEE

Georgia-Pacific Corporation
Attn: Lenard E. Rzesutko
440 East 138th Street
Chicago, Illinois 60627

Application No.: 72120453

I.D. No.: 031600BQB

Applicant's Designation: FESOP

Date Received: November 9, 2000

Subject: Box Plant

Date Issued: June 4, 2001

Expiration Date: June 4, 2006

Location: 440 East 138th Street, Chicago, 60627

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of a box plant (2 gas-fired boilers, 1 scrap paper separator with a cyclone, 1 starch silo with a baghouse, 5 flexo-folder gluers, and 2 die cutters) 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 TPY for NO_x, 25 TPY for VOC, 10 TPY for a single HAP, and 25 TPY for a combination of HAPs). 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. Operation of equipment shall not exceed the following limits:

ITEM OF EQUIPMENT	OPERATING RATE		Emissions	
			(Tons/Mo)	(Tons/Yr)
Two Gas-Fired Boilers	Total Gas Usage: 30.66 mmscf/mo and 352.80 mmscf/yr	NO _x	1.53	17.64
Starch Silo	500 tons/mo and 6,000 TPY	PM	0.01	0.12
Scrap Paper Separator	2 TPH and 17,520 TPY	PM	1.35	16.21

- b. Compliance with annual limits shall be determined on a rolling monthly basis from the sum of the data for the current month and the preceding 11 months.

- c. The boilers shall burn natural gas only. Use of another type of fuel requires prior approval by the Illinois EPA.
3. Operation of the 5 flexo-folder gluers, and 2 die cutters shall not exceed the following limits:
 - a. VOC usage and emissions shall not exceed 3.0 tons/month and 24.0 tons/year.
 - b. Compliance with the VOC emission limits shall be determined based upon the material usage, the VOC content of each material, and the following formula:
$$E_m = (1/2000) \sum (M_i V_i / 100), \text{ where}$$
$$E_m = \text{VOC emissions in tons/month,}$$
$$M_i = \text{Usage of each material in pounds/month, and}$$
$$V_i = \text{VOC content of each material used in \% by weight.}$$
 - c. Compliance with annual limit shall be determined on a rolling monthly basis from the sum of the data for the current month and the preceding 11 months.
4. 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.
5. 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.
- 6a. The Permittee shall maintain monthly and annual records of the following:
 - i. Natural gas usage in mmscf/month and mmscf/year.
 - ii. Ink usage in tons/mo and TPY.
 - iii. Adhesive usage in tons/mo and TPY.
 - iv. Usage of miscellaneous chemicals in tons/mo and TPY.
 - v. VOC and HAP contents of each material used in % by weight.
 - vi. NO_x, VOC and HAP emissions in tons/mo and TPY.

- 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 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.
7. 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.
8. 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

9. The Permittee shall submit the following additional information with the Annual Emission Report, due May 1st of each year:
 - a. Annual natural gas usage;
 - b. Annual usage of ink, adhesives, and miscellaneous chemicals;
 - c. NO_x, VOC, and HAPs emissions.

If there have been no exceedances during the prior year, the Annual Emission Report shall include a statement to that effect.

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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
Illinois EPA, Compliance Section
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the box 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 plant has the potential to handle 352.80 mmscf/yr of natural gas, 800 TPY of inks, 1435 TPY of glue/adhesive, and 26 TPY of miscellaneous chemicals. The resulting maximum emissions are well below the levels (100 TPY for NO_x, 25 TPY for VOC, 10 TPY for a single HAP, and 25 TPY for a combination of 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 less material is handled and control measures are more effective than required in this permit.

1. Emissions from the box plant:

<u>Throughput</u>	<u>Emission Unit</u>	<u>Emission Rate</u>	<u>Pollutant</u>	<u>Emissions (TPY)</u>
352.80 mmscf/yr	2 Gas-Fired Boiler	100 lb/mmcft	NO _x	17.64
		84 lb/mmcft	CO	20.75
17,520 TPY	Scrap Paper Separator	3.70 lb/hr	PM	16.21
6,000 TPY	Starch Silo	0.01 ton/mo	PM	0.12
	Five Flexo-Folder Gluers, and 2 Die Cutters		VOC	24.00

2. Emissions of HAP's from the box plant: 6.31 TPY.

This tabulation defines the potential emission of the box plant and is based on the actual emissions determined from hourly unit capacity, emission standards if applicable, and standard emission factors.

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