



The record indicates that Flintkote is following a very deliberate and cautious program using high molecular weight polymers as flocculating agents to facilitate trapping of the impurities in the process water within the product felt. This process appears favorable, with the only problem being the precise length of time needed to stabilize the process water system at a level of chemical concentration that will achieve the purpose without upsetting the production of felt. Flintkote requests Variance for a period of one year to accomplish this control; the Agency suggests a shorter term Variance with an option to request an extension thereof. Testimony by Flintkote's personnel at the hearing tends to indicate that a minimum of four months experimentation under ideal conditions might result in the total recirculation of the process water. Noting the experimental status of the recirculation process, the Board finds that an additional four months time, i.e., a total of eight months, should be sufficient for Petitioner to achieve zero discharge in their process.

Flintkote will be held to their current level of discharge while they are perfecting their chemical control of the process water, and shall report monthly to the Agency and the Board concerning their progress.

The Board finds that Flintkote has made satisfactory progress toward completion of a compliance plan that will result in total recycle which is to be encouraged as the ultimate treatment. Flintkote has expended considerable sums of money on a program which is acceptable to both the Agency and the Board. To deny this program when it is so near to completion would work a severe hardship on Petitioner.

This Opinion constitutes the findings of fact and conclusions of law of the Board.

#### ORDER

IT IS THE ORDER OF THE POLLUTION CONTROL BOARD that:

1. Flintkote is hereby granted Variance until September 1, 1976 for its discharge of process waters at that Mt. Carmel facility from Section 12(a) of the Act as it relates to BOD and suspended solids, from Rules 404(a) and 408(a) as it pertains to cyanide, subject to the following conditions:

- a. Flintkote shall not substantially change the character and nature of its raw material feedstock without giving the Agency and the Board prior 30-day written notice; and

b. Flintkote's discharge of cyanide shall not exceed 1.0 mg/l at any time;

c. Flintkote's waste water discharge during this variance shall be limited to:

- (i) 20,000 gallons per day;
- (ii) 30 pounds per day of suspended solids as a daily average; and
- (iii) 900 pounds per day of BOD<sub>5</sub>; and

d. Flintkote shall take grab samples every six hours for 24 hour periods each week and mathematically compute 24 hour composites from same for suspended solids and BOD<sub>5</sub>. The results of said samples shall be included in monthly progress reports which Flintkote shall continue to submit to the Agency and the Board, detailing progress on Phase II; and

2. The bond posted in PCB 72-152 shall remain in full force and effect until completion of conditions of the bond at which time the Agency shall execute and deliver a bond release to Flintkote; and

3. Flintkote, during the term of this variance, shall not use in its compliance plan or in its manufacturing processes any of the contaminants listed in Rule 408 of the Water Regulations except as may be found to occur in Flintkote's normal raw material feed stock of wood pulp and paper as reported in PCB 71-68 and PCB 72-152;

4. Flintkote shall complete Phase II and cease all discharges, other than non-contact cooling water, on or before September 1, 1976;

5. Upon the completion of Phase II and the cessation of all discharges, Flintkote shall seal its discharge point so that no future discharges may occur; and

6. Within 35 days after the date of the Board Order herein, The Flintkote Company shall execute and submit to the Manager, Variance Section, Division of Water Pollution Control, Illinois Environmental Protection Agency, 2200 Churchill Road, Springfield, Illinois 62706, a Certificate of Acceptance and agreement to be

bound to all terms and conditions of the Variance. The form of said certification shall be as follows:

I, (We), \_\_\_\_\_ having read the Order of the Illinois Pollution Control Board in case No. PCB 75-381 understand and accept said Order, realizing that such acceptance renders all terms and conditions thereto binding and enforceable.


\_\_\_\_\_  
SIGNED

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

Mr. Young abstains.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Opinion and Order were adopted on the 8<sup>th</sup> day of January, 1976 by a vote of 3-0.

  
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Christan L. Moffett  
Clerk Illinois Pollution  
Control Board