

C.C. for

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J. Sidlovsky
J.H. Stevens
R.J. Welsh
R.G. Woolery
K.J. Setter
Gould Bernard

UNION CARBIDE CORPORATION CHEMICALS DIVISION

PLAINTIFF'S
EXHIBIT
USG-480

REPORT OF CALL

By Mr. A.H. Miller with
Mr. R.R. Barton & Mr. Fred Thompson
Date

March 5 thru 10

Credit Dept - ☐
Tech Service Lab - ☐
Special Work Requested - ☐
Chemicals Advtg - ☐
Change Mailing List - ☐

Full Name	U.S. Gypsum	Interviewed (Give full names and titles)
Address	Galena Park, Texas	Mr. Charles Gaertner, Process Engineer Mr. Harvey Davis, General Foreman
Mfrs of		

Designate Persons Con-
cerned And Underline
If Action Is Required

The objective of our trial at U.S. Gypsum was to demonstrate retention effects of High Purity Asbestos as evidenced by product appearance improvement and saveall efficiencies. Since their manilla board is based on a waste paper furnish, filler retention is extremely hard to evaluate.

During our initial trial in September 1966, the 2% asbestos addition apparently created drying problems which caused U.S. Gypsum to slow their machine down. In order to avoid a repetition of this situation, we mutually agreed that 1% addition should be the first level evaluated during this trial period. The effect on speed and minor freeness of 1% addition appeared negligible. Although the saveall efficiency apparently improved appreciably, it was suggested that our control period was not truly representative of their saveall's standard performance and hence should be measured during their next run of manilla board. If this period duplicates our control period for this particular trial, then we have indeed shown a significant improvement.

The next step taken during our week long effort was the elimination of one out of three of the topline vata. The purpose behind this action was to, hopefully, achieve comparable topline coverage with less topline. Mr. Fred Thompson has U.S. Gypsum's machine log figures on the liner caliper which will be compared against liner caliper measured during the period January 4, through January 13. To justify our asbestos on this basis, we estimate that a reduction in caliper of at least one half point would be necessary.

Successive steps in our mill trial included raising the asbestos addition to 1 1/2% and then 1 3/4%. Neither of these changes appear to affect machine speed, liner freeness, caliper, or saveall performance.

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N.B
DSO
Note
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U.S. GYPSUM
GALENA PARK,
TEXAS

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(cont.)

As soon as Mr. Fred Thompson reports the results of his analytical work, we will visit U.S. Gypsum and review our entire effort to date. At this stage, we cannot be optimistic as to the economic justification for High Purity Asbestos in this customer's manilla board production.

Following is a summary of sample data collected during the U.S. Gypsum trial. Please note that the figures are averages calculated to correspond with the various asbestos addition levels.

RAM:bb

REEL NO'S	ASB	SPEED	LINER FREE	SOLIDS VATS	#/M GAL. LINER WHITEWATER	SAVE-ALL		POROSITY	SMOOTH NESS
					IN	OUT			
234-250	0	405	239	32.0	10.1	4.50	1.29	1.37	35
266-320	1%	397	195	30.8	10.7	4.35	0.52	1.65	42
*322-356	1%	396	188	42.2	7.3	3.90	0.53	1.65	49
*358-190	1½%	426	211	42.3	7.7	3.73	0.49	1.29	40
*392-400	1½%	415	205	38.2	7.7	4.53	0.55	1.23	37

* Two liner vats

