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UNITED STATES ASBESTOS DIVISION

of Raybestos-Manhattan, Inc.

MANHEIM, PENNA.

May 2, 1944

MAY 5 - 1944

Mr. S. Simpson, President
Raybestos-Manhattan, Inc.
Stratford, Connecticut

Dear Mr. Simpson:

Re: Industrial Hygiene
Foundation of America, Inc.

After our conference in New York in January about the Metropolitan Life Insurance report on dust counts taken in the textile mill, I arranged with the Industrial Hygiene Foundation of America to send one of their engineers here to take dust counts in various textile departments. I am quoting from the summary from the Industrial Hygiene Foundation report:-

> "This is a report of a study undertaken to locate the most important sources of dust and to develop additional dust control measures at the Manheim plant of U. S. Asbestos Division of Raybestos-Manhattan, Inc. Sixteen dust counts were made in various departments. These samples indicate that conditions in the Picker House are not satisfactory but dustiness in the Carding, Spinning and Twisting Departments is less than 5 million particles per cubic foot. Recommendations are made that can lead to a reduction of dustiness in the Picker House as well as in the Carding Department. It is believed that while the card room is under considerable negative pressure the consequent starvation of the exhaust equipment is probably not in itself sufficient to account for any marked reduction in control of dust."

I am also including herewith a record of the dust counts taken in the various departments.

Picker House	Particles per cu. ft.
At Pan Crushers	8.7 million
Floor Batching	1.7 million
Batch feeding vertical opener	9.9 million
52 minute sample at central point of room for "general air"-(near vertical opener)	5.6 million

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#2-Mr. S. Simpson

	Particles per cu.ft.
Carding	
General air conditions at various points in the Breaker Card Room	4.0 million
General air conditions in Finisher Card Room	2.9 million
At a point beside the condensers in Breaker Card Room	3.8 million
At a point near the card condensers in the Finisher Card Room	4.3 million
Along central aisle-Finisher Card Room	4.8 million
Spinning - - - -	
At mules	4.8 million
At L-Frames on 2nd floor	3.6 million
At L-Frames on 1st floor	2.0 million
Twisters	
Average for all aisles	4.0 million
Universal Winders	3.0 million

In commenting on this report on the phone, Mr. McMahon, Managing Director of the Industrial Hygiene Foundation stated, that the control of dust in this mill was far above the average for an asbestos textile plant. He indicated that a dust count under 5 million particles per cubic foot is good. However we recognize that this is a continuing program, and we propose to first correct the conditions in the Picker House at those points where the dust concentration is over 5 million particles per cubic foot. We then propose to make some changes in the card room, which will result in further improvement.

We are continuing to experiment with the application of oil to the fibre. We believe that this will result in further improvement throughout the plant.

Please consider this as a preliminary report as I plan to advise you from time to time of improvements that have been made.

A little later, after we have made some changes suggested by the Industrial Hygiene Foundation engineer, we shall arrange with Mr. Fehnel, of the Metropolitan Life Insurance Company, to make additional dust counts in our various departments.

Yours very truly,

O. H. Cilley

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mrs.

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