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INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, INC.

4400 FIFTH AVENUE

PITTSBURGH 13, PA.

July 11, 1947

Memorandum on Plant of
Southern Asbestos Company
Supplementing The
General Report

"Preliminary Dust Investigation For Asbestos Textile Institute"

Of June, 1947

Dustiness

This plant is designated by the letter F in the general report, and our appraisal of its dustiness summarized in that column in Table 1. Our own dust counts were much lower than those recorded in the company's files. Since they, however, were only single samples, great reliance cannot be placed on them. We have, therefore, not weighted them heavily in selecting figures to represent typical dustiness.

The figures indicate that dust control is equal to the average "good" plant of the group. Differences that may appear from a superficial comparison should not be taken too literally. Thus, there is no reason to believe that twisting is any less dusty in this plant than in any other.

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Our dust counts are given below:

Number	Elapsed Time (mins.)	Operations	Dust Count
1	5	At breathing zone of operator of looms 5 and 6. Dry weaving but lay beam exhausted (by 2 to 4 inch branches) and exhaust under wire at floor level.	0.4
2	5	At Thermoid looms 15 and 16, and in breathing zone of operator. Damp weaving.	0.6
3	5	General air, while walking up and down 2 aisles between twisting frames. Only 4 machines running.	0.5
4	5	General air, while walking up and down aisles between spinning frames.	0.5

Dust Control Practices

The company plans for installation of new carding machines will afford an opportunity for installation of a first class modern exhaust system. It also means that it will be of great importance to have specific test data enabling us to frame accurate specifications for the most effective and economical exhaust system for the particular case of cards installed. This is contemplated as a part of the proposed long term project.

The discussion on dust collectors (page 12) is pertinent to this plant. The long-term project includes as one of its earliest objectives the development of rational specifications for either construction or purchase of appropriate dust collectors.

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Medical

In Table II (page 14, general report) we have listed this company as not having had any x-ray survey, because of the fact that the State's findings are available only in a negative way. The fact is that no information is available to the company as to incidence of asbestosis.

The remarks in this section of the report relative to the importance of the periodic medical examination must be viewed in the light of the particular program of the State of North Carolina. Before extending specific advice on this point we would want to explore the practices and policies of the State to see what will be worked out with them. This exploration would be a part of the medical end of the long-term program, as outlined in the general report.

N.C.L. Hanson
Lead Engineer

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