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INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, INC.

4400 FIFTH AVENUE

PITTSBURGH 13, PA.

July 11, 1947

Memorandum on Plant of

The Garlock Packing Company

Supplementing The

General Report

"Preliminary Dust Investigation For Asbestos Textile Institute"

Of June, 1947

Dustiness

This plant is designated as G in the general report and an appraisal of its dustiness is summarized in that column of Table 1, page 5.

The differences between these values and those of other good plants are, on the whole, not significant and we rate this plant as average "good." However, this does not mean that dust control is entirely satisfactory in all respects as indicated in the general report.

There is an insufficient number of dust counts in the company files to constitute an adequate record of dustiness. Normal variations require a number of counts at each operation to provide a useful average.

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Our own single dust counts taken at the time of the visit are given below.

Number	Elapsed Time (Mins.)	Operations	Dust Counts
1	5	At operator end of 4 carding machines (Nos. 1,2,7 and 8).	1.5
2	5	General air in aisles of twisting machines.	3.0
3	5	General air, along row of looms; most windows open along the working aisle.	1.1
4	5	General air in aisles of spinning frames.	1.7

Dust Control Practices

Carding dust control is discussed on pages 7 and 9 of the general report. Reference is made to the exhaust system in this plant which accomplishes as good dust control as almost all the other "good" plants but at exhaust rates that would not be practical for other northern plants.

The dust collectors in use at this plant are of considerable interest because they include two types not in use in any other plant (Air Jet and Parsons) because commonly thought to be impractical. Test data on these units would therefore be valuable.

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Engineering studies planned for the long term investigation of particular interest to this plant and outlined in the general report are: dust control in preparation, twisting and weaving, and efficiency of dust collectors.

Medical

In the medical section of the general report reference is made to the several companies who have no information as to the incidence of potential asbestosis in their plant. This company is one of those and we therefore wish to underscore here the recommendations concerning periodic x-ray examinations discussed particularly on pages 11 to 13.

F.C.L. Hemeon
Head Engineer