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INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, INC.

4400 FIFTH AVENUE

PITTSBURGH 12, PA.

July 11, 1947

Memorandum on Plant of
The Garlock Packing Company
Supplementing The
General Report

"Preliminary Dust Investigation For American 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.

JHM33037

Memorandum on Plant of The Carlock Packing Co., Supplementing
the General Report "Preliminary Dust Investigation for
Asbestos Textile Institute" of June, 1947.

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.	3.2
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 ac-
complishes 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 in-
terest 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.

JH733033

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the General report "Preliminary Dust Investigation for
Asbestos Textile Institute" of June, 1947.

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 poten-
tial asbestosis in their plant. This company is one of those and we there-
fore wish to underscore here the recommendations concerning periodic x-ray
examinations discussed particularly on pages 11 to 13.

V.C.L. Hanson
Head Engineer

JHM33039