

STATE BOARD OF HEALTH
OCCUPATIONAL HEALTH SECTION
RALEIGH, NORTH CAROLINA
TECHNICAL REPORT

PLAINTIFF'S
EXHIBIT

5-25

PORT OF VISIT TO Southern Acbestos Company (Formal Company)
Address Charlotte, N. C. Location Charlotte, N. C.
It made by John C. Burton Date March 21, 1957
Persons Contacted Mr. Mitchell and Mr. Russell
Reason for visit Building atmospheric dust survey
Product Asbestos cloth and tape No. Employees
Medical Services Plant nurse and consulting physician
Copies to: Southern Acbestos Company
Central files (2)

PORT: This plant is producing asbestos tape and cloth, performing all operations necessary to convert crude asbestos to the finished product. Plant power and operations are not a large expense. The problem here mainly is the dust problem, however, a small type of dust collector has been installed during the first trial. The dust collector is a cyclone type unit which will collect dust with the asbestos fibers according to the plant through a small duct or pipe. It was found from the first trial that the purchase and installation of a small cyclone unit of this type has been up, round and will be in operation in the near future. This should provide ample dust control for present system and proposed expansion.

The results of dust counts taken during this visit indicate that the level of dustiness of the entire plant is well below the maximum allowable concentration (MAC) of 5 million particles per cubic foot of air. Only one sample, 45804, indicated an exposure significantly above the MAC, however, management is aware of this, and recommendations for dust control at this point are not necessary.

A comprehensive survey of the weaving department is not made because of restricted laboratory facilities, but will be done in the future. Newly designed dust proof hoods have been installed on some of the looms and their effectiveness will be determined later.

Management is to be commended on their interest and endeavor in improving working conditions through dust control.

JCL:bb

April 11, 1957

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ANALYTICAL RESULTS

Sample Number	DESCRIPTION	Results	Remarks
		(corrected for distance four cubic feet of air)	
1829	General atmospheric sample taken in vicinity of cards #26, #27, #28, #29.	3.2	
830	General atmosphere in vicinity of cards #20, #21, #30, #31. #32 not in operation.	4.5	
1831	General atmosphere along entire length of aisle in main card room.	2.9	
1832	General atmosphere around batching machine in preparation department. Intermittent operation.	2.9	
1833	General atmosphere near crushers in preparation department.	2.3	
	General atmosphere at spinning frames #1, #2, and #3.	3.3	
1835	General atmosphere in bales #6, #7, #12, and #13.	5.3	
1836	Operator's exposure at work station #13 & #14. Dry warp and fill.	4.1	
1836	Operator's exposure at looms #11 and #12. #32 exhausted, dry warp and fill. #32 wet warp and fill.	3.4	

101:15
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