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OWENS-CORNING
FIBERGLAS CORPORATION

EXHIBIT K328

INTRA-COMPANY CORRESPONDENCE

Laboratories - Newark, Ohio

Attention of MEMORANDUM FOR RECORD

From Mr. A. R. Morrison

Subject DUST COUNTS

April 7, 1947

cc: Mr. H. W. Collins
Mr. R. Kale
Mr. D. McCrory
Mr. C. A. Smucker
Dr. L. P. Biefeld
Mr. A. R. Morrison
File

INTRODUCTION

Dust counts were made in the Insulation Cement Department to determine the extent of an asbestos dust hazard.

SUMMARY

The average concentration of asbestos dust on the first floor of the cement department was 7 to 12 million particles per cubic foot of air. The asbestos concentration on the second floor was 12 to 25 million particles per cubic foot of air.

The Ohio Department of Health has recognized 5 million particles of asbestos dust per cubic foot of air as the maximum allowable concentration for an 8-hour daily exposure.

RECOMMENDATIONS

Possible solutions to the dust problem are:

1. Substitution of another material for asbestos.
2. Installation of more efficient local exhaust systems.
3. Furnishing suitable respirators for the operators. These should be worn continuously.

DISCUSSION

Dust counts were made using a "Zeiss Konimeter". The samples taken as near the operator as possible in order to approximate the dust concentrations at his breathing level.

Dust compositions were determined petrographically by the Glass Research Department.

Several different types of cement are mixed in the department with varying amounts of asbestos. The cement being mixed when the dust counts were made contained asbestos shorts, glass wool nodules, Bentonite and soap.

DATA

RESULTS OF DUST COUNTS

First Floor

Removing bag, weighing operations - 15-30 million particles/cu. ft.
(50% of operators time)

Bag filling and other operations - 10-20 million particles/cu. ft.
(50% of operators time)

Average concentration - 12.5-25 million particles/cu. ft.
Dust composition - 50% asbestos.
Average asbestos concentration - 7-12 million particles/cu. ft.

Second Floor

Weighing and charging mixer - 30-50 million particles/cu. ft.
(30% of operators time)

Mixing operation - 10-20 million particles/cu. ft.
(70% of operators time)

Average concentration - 15-30 million particles/cu. ft.
Dust composition - 80% asbestos
Average asbestos concentration - 12-25 million articles/cu. ft.

Chemistry Laboratory

A. R. Morrison
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