General Correspondence
November 5, 1956

File

A. M. Schilling - Manville Plant

Industrial Hygiene Survey
Pipe Department, 7th Building - Manville Plant
Travelers Insurance Company - November 26, 1956

Attached is a copy of the Travelers Hygienic Engineering Laboratory analysis of the above samples forwarded November 26, 1956.

In general, the results indicate adequate control at the stations surveyed. There are, however, the following exceptions:

Sample Station 2XX, casing saw. Both the dust and fiber concentrations are excessive at this operation. With approximately 75% each of silica and asbestos in this dust, the applicable maximum acceptable concentration would be 20 million particles per cubic foot. The count for the fiber count is 1.0 million fibers per cubic foot. Since this is the first survey made at this location, it would be well to determine whether this represents typical operating conditions by taking a series of at least three samples. Until more adequate control is established, however, I would recommend that approved type respirators be required job apparel during the casing operation.

Sample Station 7X. Both the dust and fiber concentrations are excessive at this bagging operation. I note that the operator was wearing a respirator. This should be required for operation. If the bagging job is an intermittent one of short duration, it may be that the respirator would provide adequate protection. If, however, the operator spends an appreciable amount of his work day at it, adequate ventilation control should be provided.

Sample Station 13X. Both the dust and fiber concentrations are excessive at this walking operation over the end of the No. 6 machine. Although the technician's report indicates that there is no operator in this immediate area, the survey results would indicate that there is a significant dust source in this area. It would be possible to identify it more specifically and place it under control to avoid contamination to standby working areas.

Sample Stations 14X. The fiber count during the unloading of fiber within the box car is above the recommended maximum allowable concentration. The technician does not note whether the fibers are in paper or jute bags, but does observe that some of the men were wearing respirators. In general, the paper bagged fiber permits the bag to be handled in less dusty than the jute bagged material. I would recommend that respirators be worn by all operators while in the confines of the car.

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I note that two men were sampling approximately this same time [illegible] sample station XXI. This sampling is [illegible] comfort standpoint, but in contrast to the previous [illegible] this sampling does not represent a potential [illegible] hazard.

H. M. Jackson

Attachment
HMJ:MB
cc: E. E. Bauchmill
W. F. Taylor - Manville
B. F. Fountain - Manville
R. P. Gillis - GFCO-Manville
M. Sein - GFCO-Manville

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