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LOSS PREVENTION DEPARTMENT

LIBERTY
MUTUAL



February 4, 1969

H
Mr. W. H. Regan, Plant Manager
General Cable Corporation
Hooksett Industrial Park
Daniel Webster Highway
Hooksett, New Hampshire 03106

Dear Mr. Regan:

The attached report from Mr. Robert J. Gerbo, Industrial Hygienist, presents the results of the re-survey for asbestos dust which was made at your plant on January 27, 1969. This survey was for the purpose of evaluating the improvements which you have made in the enclosed areas around the building machines.

Please do not hesitate to give us a call, if there are any questions concerning the recommendations made in this report.

Sincerely yours,

David B. Schaffler

David B. Schaffler
Loss Prevention Department

DBS:sh

cc: J. E. Mattare
R. V. Porretti
S. J. Roth
R. C. Greenman, Vice President Personnel Relations

*Under
Part with Beryllium
and copper foil*

GENERAL CABLE CORPORATION
HOOKSET, NEW HAMPSHIRE

RESURVEY OF ASBESTOS BRAIDING MACHINES

On January 22, 1969 air samples were taken for asbestos dust in air by Mr. David Scheffler and Mr. Robert Comboy in the area of the asbestos braiding machines. The purpose of the survey was to determine the effectiveness of the enclosures around two of the braiders.

Asbestos dust concentrations taken at the breathing zone level in front of the enclosed braiders was below the Threshold Limit Value of 2 million particles per cubic foot as recommended by the American Conference of Governmental Industrial Hygienists.

The new asbestos braider enclosures appear to be effective. Lower dust counts were found on the braider which was also enclosed on the bottom.

The remainder of the asbestos braiders should be enclosed in a similar manner.

Recommendations, Discussion and Data will be found on the attached pages.

Robert L. Comboy
ROBERT L. COMBOY
Industrial Hygienist
Loss Prevention Department

RLC/jp
January 29, 1969

General Cable Corp.
Hookset, N. H.

-Page 2

RECOMMENDATIONS

1. Asbestos braiders #1 - #18 should be enclosed and exhausted as has been done with braiders #19 and #20. Asbestos dust concentrations have been reduced to within acceptable limits with these enclosures.

General Cable Corp.
Hookset, N. H.

-Page 3

DISCUSSION

On December 10, 1968 we found excessive asbestos dust concentrations in the area of the braiders. Since that time two of the braiders have been enclosed. Air samples taken in front of these enclosed braiders showed a significant reduction in the amount of asbestos dust in the atmosphere.

Asbestos braiders #19 and #20 were enclosed. Braider #20 was enclosed on the sides, top and bottom. Braider #19 was not enclosed on the bottom.

Dust counts on #19 were 1 and 0.46 million particles per cubic foot. Dust counts on #20 were 0.56 and 0.33 million particles per cubic foot. The braider which was enclosed on the bottom (#20) seems to be capturing more of the asbestos dust. Consequently, future installations should be enclosed on the bottom.

Mr. Ed Behan, Asbestos Department Manager, informed us that the exhaust system had been cleaned since our first visit. This explains in part why our dust counts were lower on the unenclosed braiders than they were on our previous visit. Another contributing factor would be that all of the braiders were not in operation during this survey as they were in December, 1968.

In the opinion of the writer, if all of the asbestos braiders are enclosed on the sides, top and bottom, asbestos dust concentrations in the area of these machines will be less than 2 million particles per cubic foot of air.

DATA

Results of Air Samples for Asbestos In Air:

Method of Collection - Midget Impinger
Sampling Rate - 5 liters per minute
Collecting Medium - Distilled water
Counting Method - Microscopic using light-field
illumination and Bright-Line
Haemocytometer counting cell

SAMPLE NUMBER	TIME & LENGTH	LOCATION & REMARKS	MPPCF*
1.	9:30 AM 30 Mins.	General Room Air, Breathing Zone Level (GRA, BZL) in front of braider #19 enclosure without bottom-braiders #16-20 running.	1
2.	9:30 AM 30 Mins.	GRA, BZL in front of braider #20 enclosure with bottom. Braiders #16 - #20 running.	0.56
3.	10:10 AM 30 Mins.	GRA, BZL in front of braider #18 no enclosure.	2.4
4.	10:10 AM 30 Mins.	GRA, BZL between braiders #16 and #17.	1.7
5.	10:45 AM 30 Mins.	Same as Sample #1, only #19 and #20 running.	0.46
6.	10:45 AM 30 Mins.	Same as Sample #2, only #19 and #20 running.	0.33

* Million particles per cubic foot