1503 2071

March 30th., 1955.

J. O. Eby

Letter from H. H. Jackson to you Dated March 16, 1955
Re: Fibre Dust Counts in No. 5 Mill

In order to again compare fibre counting results between Hartford and C. J-M. Climie three pairs of samples were taken in No. 5 Mill on Feb. 8th.

The purpose of this survey was not to evaluate dust concentrations but merely to compare counting results.

Sample No. 2-1 on the second floor is located in an area where several changes are being made to steam conveyors and chutes. It is therefore temporarily dusty and will eventually receive control as recommended in the letter.

Attached is a list of results from the Travelers Chemical Laboratory and the C.J-M. Climie of duplicate samples taken in Travs. No. 5 Mill areas.

It will be noted that dust counts of particles are relatively the same but that the fibre counts show concentrations 10 times greater by Travelers than by our Climie. A year ago this difference was as high as 200 times.

Conclusions

Due to divergent opinions by authorities on this subject as to which is most hazardous - the particles under 20 microns in size or the fibres over 20 microns in length - I believe that presently we should,

1 - Evaluate our dust concentrations by adding particles and fibres and calling it a total dust count.

2 - Use the maximum allowable concentration of 5 mppcf and keep our total dust counts at or below that figure.

3 - Continue to analyze our dust samples for particles and fibres as in the past.

Encl.

H. Rosovsky

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