AT&T Bell Laboratories

600 Mountain Avenue
Murray Hill, New Jersey 07974
Phone (201) 582-3000

PLAINTIFF'S EXHIBIT

SWB-141

Ambient Asbestos Fiber Concentrations
Case: 48106-3

May 9, 1984

R. Naser
Bell Communications Research
Room 6128-F3
295 North Maple Avenue
Basking Ridge, New Jersey 07920

Dear Mr. Naser:

I have compiled the results of all our asbestos analyses over the past two years to provide information of background or ambient fiber concentration and the feasibility of setting a 0.1 fiber/cm^3 standard. Of all the analyses, there were a total of 421 samples submitted which did not specify any work operations requiring disturbance of asbestos-containing materials. It is these samples that I consider samples of ambient fiber concentrations. Of the 421 samples, the highest concentration noted was one sample at 0.1 fibers/cm^3. All other samples were less than 0.08 fibers/cm^3. In fact, only 90 samples had detectable fiber concentrations (more than 10 fibers per 100 microscope field area over blank counts).

I have attached a histogram plot of the frequency distribution of the fiber concentrations. The limit of detection was used as the concentration for all "None Detected" samples.

If you have any further questions on this subject please call.

Sincerely,

Charles P. Lichtenwalner
(201) 582-5399

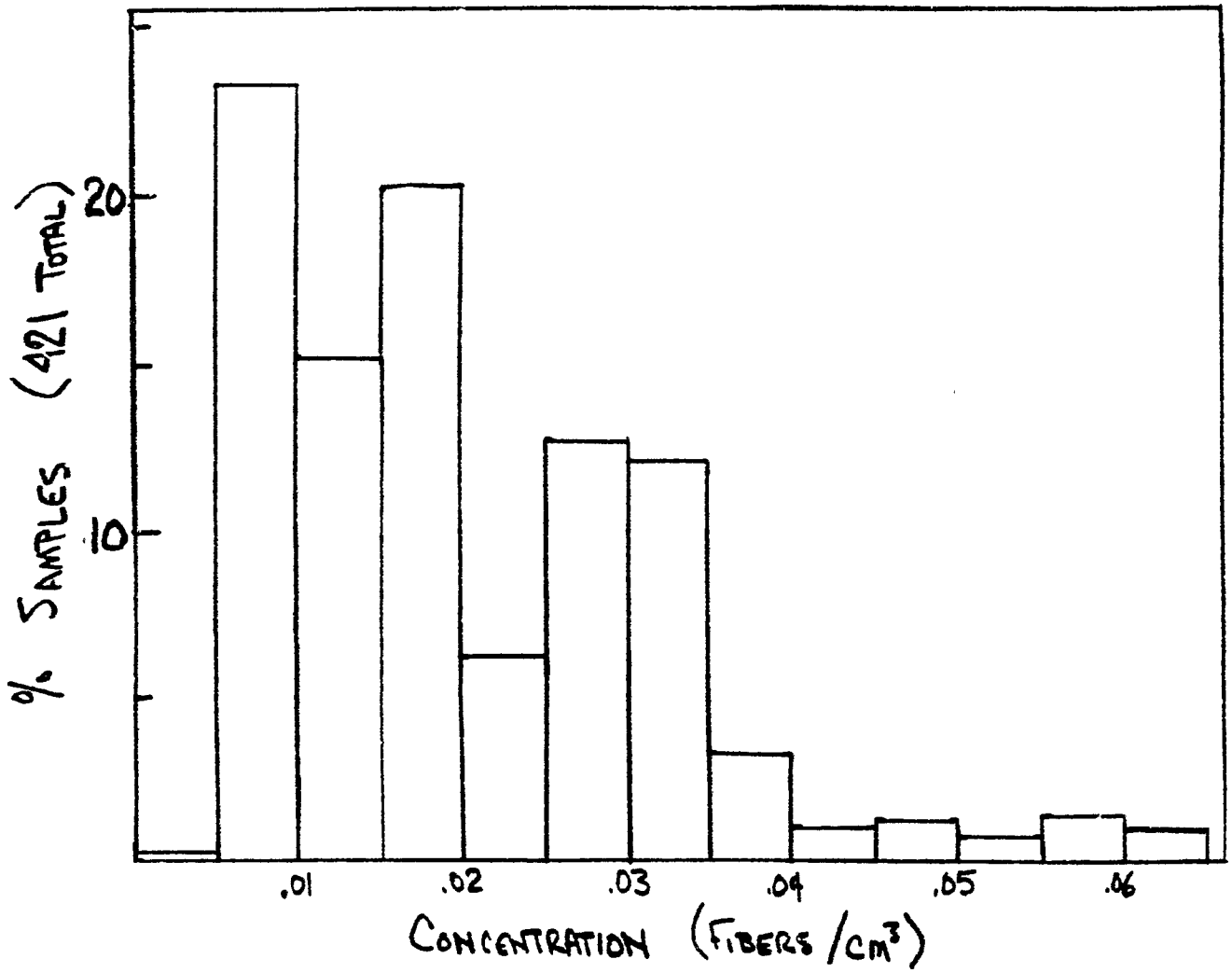
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J. M. Degen - BCR

P. A. Huggins
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FREQUENCY DISTRIBUTION OF AMBIENT ASBESTOS FIBER CONCENTRATIONS



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