



PLAINTIFF'S EXHIBIT

SWB-172

Bell Laboratories

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April 10, 1979

N. E. Wood
New York Telephone
1095 Avenue of the Americas
New York, NY 10036

Dear Norm:

The three air filter cassettes and bulk insulation sample you sent with your letter of March 19 have been analyzed for asbestos.

An x-ray diffraction scan of the insulation sample labelled "50 Varick St. 8 Fl. 3-16-79" found chrysotile, brucite and calcite as the major crystalline materials present. An optical examination revealed many fine birefringent fibers. The presence of chrysotile along with birefringent fibers means this material contains asbestos.

For the air filters all fibers greater than 5 μ m long seen by phase contrast optical microscopy at 400x were counted. This is the method recommended by the National Institute of Occupational Safety and Health (NIOSH).

Based on your sampling data and the microscopy counts the results were:

<u>Sample</u>	<u>Volume Air (L)</u>	<u>Fibers Counted*</u>	<u>Uncorrected fibers/cm³</u>	<u>Blank Corrected³ fibers/cm³</u>
#1 50 Varick St	154	10	.05	.02
#2 50 Varick St	200	5	.02	<.01**
Blank	--	7	--	--

* 100 Microscope fields ($.011\text{mm}^2/\text{field}$) were counted. The filter area was 355mm^2 .

** < = less than

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If you have any questions about this analysis please let me know.

C. P. Lichtenwalner

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ref: 1005

copy to

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