



PLAINTIFF'S EXHIBIT

SWB-169

Bell Laboratories

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

May 8, 1979

P. A. Muller
New York Telephone Company
140 West Street
Room 2250
New York, New York 10007

Dear Pat:

The two air filters and bulk insulation samples you sent have been analyzed for asbestos.

Insulation Sample

The bulk insulation sample labelled 45 Fl. Exxon Building 9 was analyzed by polarized light microscopy which found many non-birefringent fibers (probably mineral wool) and some asbestos-like birefringent fibers. An x-ray diffraction scan revealed the major crystalline materials present were chrysotile (a form of asbestos) and calcite. The presence of chrysotile and the birefringent fibers means this material contains asbestos.

Air Filters

The two air filters were analyzed by counting all fibers greater than 5 μ m long seen by phase contrast optical microscopy at 400x. This is the method recommended by the National Institute of Occupational Safety & Health (NIOSH). Based on your sampling data and the microscopy counts the results were:

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Ms. P. A. Muller - 2

<u>Sample</u>	<u>Volume Air (L)</u>	<u>Fibers Counted*</u>	<u>Uncorrected Fibers/cm³</u>	<u>Blank Corrected Fibers/cm³</u>
#1 Exxon Building 45 Floor Tel Room	120	13	.08	.05
Blank	---	5	---	---

* 100 microscope fields (.011 mm²/field) were counted. The filter area was 855 mm².

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

Sincerely,



Charles P. Lichtenwalner

Ref: 1023

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