

Air Filter and Bulk Insulation Analysis
for Asbestos
Case 48106-3



PLAINTIFF'S EXHIBIT

SWB-180

Bell Laboratories

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

July 19, 1979

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

Dear Pat:

Four air filters and three bulk insulation samples have been analyzed for asbestos.

Bulk Samples

The three bulk insulation samples labelled "1166 6AV 3RD FLR", "1166 6th AVE 5th FLOOR PAO", and 1166 19th FL. TREASURY PAYROLL" gave similar results when analyzed. The principal crystalline materials noted by x-ray diffraction were calcite and gypsum. When examined by polarized light microscopy the only fibers seen were non-birefringent (probably fibrous glass). No asbestiform fibers were noted. Based on these analyses none of the above samples contained any asbestos.

Air Filters

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

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Sample	Volume Air (L)	Fibers Counted#	Fibers/cm ³	
			Uncorrected	Blank Corrected
1	330	8	0.02	ND*
2	240	6	0.02	ND
3	240	6	0.02	ND
Blank	---	9	----	ND

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

** ND = None Detected (less than 0.01 fibers/cm^3)

If you have any questions about this analysis please call.

Charles P. Lichtenwalner

Charles P. Lichtenwalner

ME-7885-CPL-pr

ref. 1042

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N. J. DeCapua

J. M. Degen

P. L. Stone, MD

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P. H. Stark - NYT

C. H. Steinmetz, MD

W. J. Schreiber - BTL

G. M. Wilkening

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

Sincerely yours,



Charles P. Lichtenwalner

MH-7883-CPL-dc

Ref. 1038

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