

Case: 48106-3  
Reference: 1744 & 1746

**Bell Laboratories**

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

August 30, 1983

Ms. Vicki Orchier  
New York Telephone Company  
Room 1102  
1095 Avenue of the Americas  
New York, New York 10036

Dear Vicki:

The four air filter samples you submitted have been analyzed for asbestos fibers. As indicated on your sampling data sheets, the samples were collected at 400 Westchester Avenue on 7/20/83 and 7/21/83.

Filter samples were analyzed in accordance with NIOSH P&CAM 239. This method involves sizing and counting fibers using a phase contrast microscope. All fibers which have a physical dimension longer than 5 micrometers ( $\mu\text{m}$ ) and a length to diameter ratio of 3 to 1 or greater, are counted.

Fiber concentrations, expressed as fibers per cubic centimeter (fibers/cc), were calculated from the sampling data you provided and the analytical data. Results are listed on the attached Table.

The Occupational Safety and Health Administration's (OSHA) 8-hour permissible exposure limit (PEL) for asbestos is 2 fibers/cc. The OSHA 8-hour action level is 0.1 fibers/cc.

Since sample concentrations are above the OSHA action level, 8-hour time weighted average, concentrations should be evaluated.

Please call if you have any questions.

Sincerely,

*Patricia Huggins*  
Patricia Huggins

MH-78691-PAH-mpb

Copy to  
(see attached)

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Table I

Airborne Fiber Concentrations  
400 Westchester Avenue  
7/20/83 and 7/21/83

| Sample No.  | Sample Description                                                                | Sample Duration (Mins.) | Volume of Air Sampled (L) | Number of Fields Viewed <sup>+</sup> | Fibers Counted | Concentration* (Fibers/cc) |
|-------------|-----------------------------------------------------------------------------------|-------------------------|---------------------------|--------------------------------------|----------------|----------------------------|
| 070129928-1 | Blank (7/20/83)                                                                   | -                       | -                         | 100                                  | 6.5            | -                          |
| 070129928-2 | Area Sample 1st Floor during sweeping - building alteration in progress (7/20/83) | 240                     | 516                       | 75                                   | 109.5          | 0.22                       |
| 070129928-3 | Blank (7/21/83)                                                                   | -                       | -                         | 100                                  | 5              | -                          |
| 070129928-3 | Sample from 2nd Floor renovations in progress (7/21/83)                           | 240                     | 516                       | 30                                   | 107            | 0.54                       |

+ - Field area 9.011 mm<sup>2</sup>.

\* - Concentrations reported are corrected for blank.

003791