

AT&T
Bell Laboratories600 Mountain Avenue
Murray Hill, New Jersey 07974
Phone (201) 582-3000Case: 48106-3
Reference: 1894

February 3, 1984

Ms. A. Mignone
SNET
195 Church Street
9th Floor
New Haven, Connecticut 06506

Dear Alice:

The air filter cassettes you submitted have been analyzed for asbestos fibers. As indicated on your sampling data sheet, the samples were collected during removal of asbestos insulation material.

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 (μm) and a length to diameter ratio of 3 to 1 or greater, are counted.

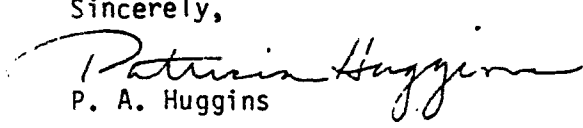
Fiber concentrations and 8-hour time weighted average concentrations, expressed as fibers per cubic centimeter (fibers/cc), were calculated from the sampling data you provided and the analytical data. Results are listed on the attached table.

The Occupational Safety and Health Administration's (OSHA) Emergency Temporary Standard (ETS) of 0.5 fibers/cc (8-hour time weighted average exposure limit) is now in effect. The OSHA 8-hour action level is 0.1 fibers/cc.

Results of sampling are above the action level and indicate the need for medical surveillance of individuals involved in this type of removal work.

Please call if you have any questions.

Sincerely,


P. A. Huggins

Attch.

Copy to: (see next page)

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A. Mignone - 2

Copy to:

W. D. Luty)
F. L. Provato) SNET

J. M. Degen CSO

W. J. Schreiberis
G. M. Wilkening

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Table 1

Airborne Fiber Concentrations during
Asbestos Work - SNET
1/23/84 and 1/25/84

<u>Sample No.</u>	<u>Job Description</u>	<u>Sample Duration (mins.)</u>	<u>Volume of Air Sampled (L)</u>	<u>Fibers Counted¹</u>	<u>Concentration² (Fibers/cc)</u>	<u>8 hour TWA³ (fibers/cm³)</u>
E0146	Removal of asbestos from exhaust system inside turbine generator	90	157.5	130.5	1.6	0.3
E0148	Removal of asbestos from emergency generator	90	156.5	107	1.3	0.2
E0149	"	90	157.6	105	1.2	0.2
Blank	-	-	-	3	-	-

¹Fibers counted in 100 microscopic fields; field area=0.011mm²

²Concentrations reported are corrected for blank

³8-hour TWA - time weighted average concentration, assuming no additional exposure over 8 hour work day N.B. In cassette E0147 filter and back-up pad were in reverse order.