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Stanton Degen

Case: 48104-3
Reference: 1775

Bell Laboratories

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

October 4, 1983

Mr. L. K. Kuncie
Safety Staff
Indiana Bell Telephone
240 North Meridian
Room 774
Indianapolis, Indiana 46204

PLAINTIFF'S EXHIBIT

SWB-154

Dear Mr. Kuncie:

The four personal air filter samples you submitted have been analyzed for asbestos fibers. As indicated on your data sheets, the samples were collected on four employees while simulating splicing work in a steam tunnel at Indiana University, Bloomington, Indiana.

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, expressed as fibers per cubic centimeter (fibers/cc), were calculated from the sampling data you provided and the analytical data. Results are listed in the attached Table 1. One of the samples approaches the OSHA action level, therefore the time weighted average (TWA) should be determined by calculation or additional sampling.

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.

Please call if you have any questions.

Sincerely,

Keith D. Tait

Keith D. Tait

MM-78091-PCT-npb

Attachment
As Above

Copy to
(see next page)

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• Mr. L. K. Nance - 2

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W. F. Hartwig - 1BT

C. R. Prible, M.D.

W. J. Schreiber

C. M. Wilkening

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Table 1

Sample No.	Sample Description	Sample Duration (Mins.)	Volume of Air Sampled (L)	Fibers Counted ¹	Concentration ² (Fibers/cc)
CAPI	Personal - Air Filter	30	59.5	11	0.033
EMKI	Personal - Air Filter	30	59.5	134	0.065
AFMI	Personal - Air Filter	30	59.5	16	0.028
Blank	Blank Sample	-	-	0	-

¹ - in 100 Fields (Field Area = 0.011 mm²).

² Concentrations reported are corrected for blank.