PLAINTIFF'S EXHIBIT
UC-2754

UNION CARBIDE INTERNAL CORRESPONDENCE

CHEMICALS AND PLASTICS • P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Mr. W. T. Shelton
Division 704 Shop
Location

Date October 29, 1979
Originating Dept Technical Center IH/EP

Copy to Mr. G. F. Hurley
Mr. H. L. Robinson

Subject Asbestos Monitoring
Building 704 - Third Level

PROJECT

Breathing zone samples were collected to determine the exposure of N. J. Dean and R. E. Raines to asbestos fibers.

DATE OF SURVEY

October 23, 1979

DISCUSSION

On October 23, 1979, separate breathing zone samples were collected on N. J. Dean and R. E. Raines to determine their exposure to asbestos fibers. They were stripping suspected asbestos insulation from an 8-inch line near the steam motor valve of the exhaust fan on #1 boiler on the third level of Building 704. During the stripping, both insulators wore 3M disposable dust masks and leather gloves. Before and during the stripping, the insulation was wetted. Stripped asbestos was placed in plastic bags for disposal.

CONCLUSIONS

The results are given in the attached table. The afternoon value on R. E. Raines may be explained by the fact he was so close to the insulation during the stripping. The location of the second piece of line was in a position that was difficult to keep wetted. OSHA Ceiling for asbestos is 10 fibers > 5 $\mu m/cm^3$ during any 15 minute period. Since the total exposure for each person was 67 minutes, the 8 hour time-weighted average is far below the OSHA limit of 2 fibers > 5$\mu m/cm^3$ for an 8 hour working day.

UCC 024732

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REFERENCES

Volume 38C-29X4-R1a Asbestos, Dust Determination By Membrane Filter Technique Using Phase Contrast Microscopy

RESULTS

Date	Sample Type	Time (Minutes)	Asbestos Fibers (Fibers >5 μm/cm^3)	Time-Weighted Average
10/25/79	N.J. Dean - A.M.	28/2 LPM	0.1	0.02
10/25/79	N.J. Dean - P.M.	37/2 LPM	0.2	
10/25/79	R.E. Raines - A.M.	28/2 LPM	0.1	0.2
10/25/79	R.E. Raines - P.M.	39/2 LPM	2.3	

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