PLAINTIFF'S EXHIBIT
UC-3231

29w(3)

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UNION CARBIDE

INTERNAL CORRESPONDENCE

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

o (Name)	Mr. D. L. Johnson	Date	June 4, 1979
ivision	Mr. E. C. Shipley		
ocation	Mr. E. J. Tawney	Originating Dept	Technical Center IH/EP
opy to	Mr. L. R. Noble	Subject	Asbestos Monitoring

PROJECT

Monitor employee exposure to asbestos during the removal of insulation in Building 5 at Institute.

DATE OF SURVEY

April 30, 1979

DISCUSSION

Personal samplers were worn by Mr. K. A. Neal and Ms. H. F. Beaver while removing insulation from piping in the east end of the first level of Building 5. All the insulators on this job wore Norton 7170 respirators. The insulation had a layer of dust sitting on it. Although some water was used to wet the insulation during removal, enough dust was generated to interfere in the analysis of asbestos. The sample worn by Ms. Beaver was voided while the one on Mr. Neal Indicated an asbestos concentration of 1.85 fibers/cc. The OSHA permissible exposure limit for an eight-hour time-weighted average (TWA) exposure is 2 fibers/cc.

CONCLUSION

Since this job did not take eight hours, Mr. Neal's TWA would be less than 1.85 fibers/cc and below the OSHA limit. However, the amount of dust and asbestos in the air indicates the need to use more water before, during and after the stripping of insulation.

REFERENCES

UCC C&P Industrial Hygiene #38C-29X4-R1A
29 CFR 1910.1001

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