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Copy to

Date January 9, 1979

Originating Dept Technical Center IH/EP

Subject Monitoring Insulators

773

PROJECT Monitoring insulators for asbestos exposure.

DATE OF SURVEY December 12 and 13, 1978

DISCUSSION Messrs. Brad Nester and Charlie Miller, Construction insulators, were monitored for asbestos exposure on December 12 and 13, while removing insulation from piping on the third level of Building 773. Both men wore respirators during the operations. On the first day only a small amount of water was applied to the insulation before removal to minimize the emission of airborne asbestos fibers. Personnel exposures were 2.8 and 1.3 fibers per cubic centimeters of air (f/cc) respectively. On the second day of monitoring, December 13, the insulation was thoroughly wetted with water before, during, and after removal. As a result, the air concentrations in the breathing zones of the insulators were reduced to 0.3 and 0.4 f/cc. The OSHA standard for an eight-hour exposure is 2.0 f/cc.

RECOMMENDATIONS As evidenced by this monitoring, it is essential that extra time be taken to thoroughly wet asbestos-containing insulation before, during, and after removal. For small stripping operations a portable garden water sprayer can be used.

REFERENCES UCC C/P Industrial Hygiene Method 38C-29X4-R1a
29CFR 1910.1001

DATA

Location: Building 773, third level

Date	Employee	Sampling Time	Air Conc. Fibers/cc
12/12/78	Brad Nester	0950-1038	2.8
12/12/78	Charlie Miller	0950-1038	1.3
12/13/78	Brad Nester	1335-1350	0.4
12/13/78	Charlie Miller	1335-1350	0.3

REPORT PREPARED BY

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