WV-0219#47

PLAINTIFF'S EXHIBIT

UC-3068

INDUSTRIAL HYGIENE RESULTS

DATE: June 30, 1987.

SUBJECT: Monitor UCC Design and Construction insulators for exposure to asbestos during removal using a glove bag. In Polymers I tank farm in area outside, behind 8" mill.

DATE OF SAMPLES: 2/13/87

SUMMARY:

SAMPLE	TIME START	TIME STOP	TOTAL (Min.)	FLOW RATE	VOLUME	TYPE	RESULTS	PEL
Z-8969	9:50	12:52	182	3900 cc/min	709.8 l	BZ	0.22 f/cc	0.2 f/cc
Z-8970	9:52	12:52	180	4000 cc/min	720 l	BZ	0.09 f/cc	0.2 f/cc

DISCUSSION: During the three hour sample period one of the insulators (sample #Z-8969) exceeded the TWA$_8$ permissible exposure limit of 0.2 fibers per cubic centimeter of air. Protective clothing and Comfo II half-face respirators with HEPA filters were worn. The respirators were more than adequate to protect against these fiber concentrations. Wet methods were used. The area in which the work was being performed was a small, cramped corner with little room for free movement. This may have contributed to the above results.

RECOMMENDATIONS: Use caution when removing asbestos using the glove bag method. Wet methods of removal must be stringently enforced even when used in glove bags. Continue wearing respiratory protection when using the glove bag method. Continue IH monitoring. Inform insulators of the results of these tests.

METHOD OF ANALYSIS: Microscopy

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