WV-0219 #40

PLAINTIFF'S EXHIBIT

UC-3063

INDUSTRIAL HYGIENE MONITORING

DATE: June 30, 1987.

PROJECT: Monitor insulators for asbestos exposure while patching exposed insulation on T-3 methyl chloride tank in Monomers.

DATE OF SAMPLES: 3/26/87

SAMPLE	TYPE	TIME START	TIME STOP	MIN.	FLOW RATE (cc/min)	VOLUME (liters)	CONC.	PEL TWA8	RESP.
Z-9132	BZ	10:27	11:24	57	4000	228	<0.0022 f/cc	0.20 f/cc	A
Z-9133	BZ	10:30	11:24	54	4000	216	0.03 f/cc	0.20 f/cc	A
Z-9134	BZ	10:28	11:24	56	4000	224	<0.02 f/cc	0.20 f/cc	A

RECOMMENDATIONS: Share this information with the insulators

DISCUSSION: All samples were well below the PEL during the sample period.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: C. R. McMillan/T. L. Grittie

ANALYSIS BY: JHM Labs

COPY TO: D. G. Beddow, D. A. Boggs, A. A. Cosper, E. L. Doerflein, J. J. Kyle, R. P. Leichliter, K. B. Purinton, W. V. Summers, G. W. Wulfert.

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WV-0219 #41

INDUSTRIAL HYGIENE RESULTS

DATE: June 30, 1987.

PROJECT: Monitor insulators for asbestos exposure while removing insulation from Emulsion Building, Polymers II.

DATE OF SAMPLES: 2/15/87 and 2/17/87

SUMMARY:

SAMPLE	TYPE	DATE	TIME START	TIME STOP	MINUTES	RESULTS	COMMENTS
Z-9050	BZ	2/15	13:15	14:20	65	< 0.02 f/cc	Glove Bag
Z-9051	BZ	2/15	13:17	14:20	63	0.09 f/cc	Glove Bag
Z-9052	BZ	2/17	10:30	11:30	60	0.68 f/cc	Inside negative pressure enclosure

BZ = breathing zone

DISCUSSION: All insulators monitored wore airline respirators. As one can see from the above data, the use of glove bags where feasible, significantly reduces personnel exposure and should be the engineering control of choice if possible. Sample Z-9052 shows a fiber concentration above the PEL, TWA_8 of 0.2 f/cc during the sampling period. This concentration is, however, well below the limitations of the respirator.

RECOMMENDATIONS: Use glove bags whereever feasible. Regardless of the method of choice, the material must be thoroughly wetted to minimize fibers in the air. Share this information with insulators.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: C. R. McMillan/T. L. Grittie

ANALYSIS BY: JHM Labs

COPY TO: D. A. Boggs, E. L. Doerflein, J. K. Kyle, D. L. Mullins, K. B. Purinton, W. V. Summers, G. W. Wulfert.

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