

Plant
Ergonomics Survey
1980

TABLE III

ENVIRONMENTAL MONITORING FOR DIETHYLENETRIAMINE, ASBESTOS, RESPIRABLE DUST

No.	LOCATION	NAME/AREA	ANALYSIS FOR	TIME		RESULTS	REMARKS
				MIN.	SEC.		
52	Curing Oven	Inside Material Entry Side	Diethylene triamine	9:59 a	15	Less than 0.18ppm	Height 5 ft, at end of assembly. Full load from previous four hours activity. Oven temp 110°F.
69	Fiber Preparation	2nd Floor near #1 and #2 mixers Height 5 ft.	Respirable Dust	6:47 a	428	0.23 mg/M ³	Silica = 12% TLV = 0.71 mg/M ³
72	Fittings Assembly 3/18/80	On Worktable next to S. Smith	Fibers (Asbestos)	8:52 a	55	0.56 f/cc	
73	#2 Baghouse 3/18/80	Height 18" on platform, 4 ft. from baghouse exhaust.	Fibers (Asbestos)	2:32 p	66	0.16 f/cc	

Plant
Aerial Hygiene Survey
18, 1980

TABLE I

PERSONAL AIR MONITORING: RESPIRABLE DUST(Silica), ASBESTOS, DIETHYLENETRIAMINE

POSITION	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT	REMARKS
Fittings Assembler	C. Meyers	Diethylene- triamine	8:48 a- 8:00 a	24	Less than 0.04 ppm	Within acceptable limit of 1 ppm of diethylenetriamine.
			8:20 a- 9:45 a	85	0.26 ppm	Normal activities during sample period
Fittings Assembler	S. Smith	Diethylene- triamine	6:47 a- 8:00 a	73	0.23 ppm	Within acceptable limit of 1 ppm of diethylenetriamine.
			8:20 a- 9:45 a	85	0.17 ppm	Normal activities during sample period
Crusher Operator	C. Randall	Respirable dust	6:35 a- 1:50 p	435	0.063 mg/m ³	
Fixer Operator	Bob Lutz	Respirable dust	6:45 a- 1:55 p	430	0.14 mg/m ³	Silica = 12% TLV = 0.071 mg/m ³ Wore 3M8710 while dumping.
Lathe Operator	G. Rickert	Respirable dust	7:05 a- 1:45 p	400	0.11 mg/m ³	Line 1 until 11:30 a, then Line 2 4" half-lengths.
Mill/Lathe Operator	J. DeSilva	Respirable dust	7:20 a- 1:45 p	385	0.11 mg/m ³	7:20-8:00 Univer- sal Mill; 8:00-1:45 Nebel Lathe.
Press Operator	C. Worthington	Respirable dust	6:52 a- 1:55 p	423	0.18 mg/m ³	C. Worthington was training a new press operator on this day. Silica = 37% TLV = 0.26 mg/m ³
Mill Operator	C. Ranschlin	Respirable dust	7:00 a- 1:45 p	405	0.23 mg/m ³	Boring Mill, 10-12" couplings. Silica = 11% TLV = 0.77 mg/m ³
Fittings Assembler	S. Smith	Fibers (asbestos)	8:21 a- 8:24 a	3	0.98 f/cc	Operator's exposure while mixing a batch of epoxy containing fibers.
Fittings Assembler	G. Meyers	Fibers (asbestos)	7:26 a- 7:32 a	6	1.71 f/cc	Operator's exposure while mixing a batch of epoxy.

3/18/80

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