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RESULTS OF AIR SAMPLES

FABCO INDUSTRIAL INSULATION
Emeryville, California

Report Prepared By:
Jeremiah R. Lynch

September, 1968

PLANT 36

File 032.52

September 20, 1963

Mr. H. P. Hoopes
Product Manager
Fibreboard Paper Products Corp.
475 Brannan Street
San Francisco, California 94119

Dear Sir:

The analysis of air samples collected at your plant in Emeryville, California during our survey in September 1967 has been completed and the results are attached. The impinger samples were counted in accordance with the American Conference of Governmental Industrial Hygienists method and the membrane filter sample with the method described in the attached reprint.

The present Threshold Limit Value (TLV) for asbestos is 5 million particles per cubic foot (mppcf) as measured by impinger. A tentative TLV of 2 mppcf by impinger or 12 fibers longer than 5 microns/cubic centimeter (f/cc) has been accepted by the TLV Committee.

Since the fiber count method is a direct measure of asbestos while the impinger method also measures other, less toxic, dusts, it is assumed that the fiber concentrations are a more relevant index of the workers exposure hazard. The fiber count limit of 12 fibers longer than 5µ/cc was exceeded frequently in mixing, once in finishing, once in packing and in the hopper room.

Your cooperation in this study is sincerely appreciated and the data gained from your plant is of considerable value.

Sincerely yours,

Jeremiah R. Lynch ✓
Asst. Chief, Environmental
Activities
Field Studies
Occupational Health Program

Attachment

cc: Prog. Mgmt. Office.
Dr. Cralle

Results of Air Samples of September 1967

Pabco Industrial Insulation, Emeryville, California 94644

Insulation Plant

Operation		Impinger		Membrane Filter		
		Sample #4 conc?		Sample #4	Total	Σ n +
Mixing Mixer	P			123	36.8	23.3
				104	29.7	21.3
				063	73.7	31.3
	B	108	1.4	109	24.5	12.7
		100	4.3	101	49.6	23.8
Machina Maintenance	P			102	9.5	3.7
Warehousing	P			023	4.8	1.8
				026	4.1	2.2
Forming						
Scale Operator	P			122	7.1	2.3
Take off man	P			128	4.3	2.8
				127	15.9	9.2
				021	3.6	2.6
				014	3.5	3.0
	B	010	0.4			
Mold filler	P			062	2.3	0.9
				109	11.3	4.9

NOTES:

B--Breathing zone simultaneous impinger-membrane filter samples.

P--Personal membrane filter samples collected by a sampling pump worn by the worker.

Insulation Plant - Emeryville, Cal.

Operation		Insolvent		Membrane Filter		
				Sample #	Total	Fibers/cc
Forming (cont.)						
Mold cleaner	P			126	8.1	5.9
				107	0.3	0.1
				103	7.7	1.8
				050	6.4	3.6
				022	13.2	3.8
				023	13.3	10.3
	B	027	0.6	028	5.3	1.8
		008	2.8	099	9.7	3.3
		012	0.9	013	2.3	1.0
Curing						
Oven helper	P			059	6.9	3.7
				052	9.0	3.6
				034	32.6	8.2
Oven unloader	B	113	7.2	116	18.9	3.9
Finishing						
Block splitter	P			039	23.8	6.2
				038	27.8	10.4
	B	047	12.2	048	43.4	11.9
Canvas spreader	P			037	9.0	2.1
Canvasser	P			061	12.2	6.7
				050	5.9	1.3
				036	40.8	18.3
	B	045	3.2	046	8.6	3.8
Conveyor feeder	P			033	12.2	5.2
				049	8.8	3.9
	B	014	2.3	015	16.0	3.7

Insulation Plant - Emeryville, Cal.

Operation	Tapering Taper		Membrane Filter		
	Sample #s		Sample #s	Total	Fibers/cc
Inspection & Packing					
Box maker	P		120	5.6	2.7
Car bracer	P		121	2.5	0.9
			119	0.2	0.0
Carton sealer	P		118	15.6	5.1
			117	15.7	7.3
Drier unloader	P		051	14.2	5.8
			040	10.3	3.9
	B	110	0.5	111	13.1
Block man	P		035	43.6	21.1
Miscellaneous					
Machine Maintenance	B	006	2.0	007	4.2
					3.0