

File



AMERICAN SMELTING AND REFINING COMPANY
DEPARTMENT OF ENVIRONMENTAL SCIENCES
3422 SOUTH — 700 WEST, SALT LAKE CITY, UTAH 84119

PLAINTIFF'S
EXHIBIT

CAP-79

November 6, 1974

M. O. VARNER
Manager

Mr. F. W. Limbaugh
Laboratory Supervisor
CEMENT ASBESTOS PRODUCTS COMPANY
Box 119
Ragland, Alabama 35131

Dear Sir:

Attached are the results of fiber counts on filters received from you October 23, 1974. All concentrations have been converted to an eight-hour time-weighted average.

All samples are below the level of 5 fibers (>5 micrometers) per cubic centimeter of air, which is the permissible exposure to airborne concentrations of asbestos set by OSHA. However, it should be noted that samples 1 and 2 exceed, and C-3 is close to the ceiling concentration of 10 fibers set by OSHA.

Very truly yours,

Donald A. Robbins
Chief Chemist

DAR/bjs
Attach.

cc: MJMessel
KWNelson
HBeasley
MOVarner
JPSeiverson

HER 0008470

CAPCO ASBESTOS ANALYSES

<u>CAPCO Sample No.</u>	<u>ASARCO Lab No. (1974)</u>	<u>Fiber/cm³</u>	
		<u>Asbestos Fiber Count</u>	<u>8-Hour Time- Weighted Average</u>
1	2961	12.69	1.43
2	2962	11.08	1.22
3	2963	3.94	0.58
4	2964	1.05	0.15
5	2965	0.40	0.038
6	2966	0.25	0.024
7	2967	0.02	0.007
8	2968	0.36	0.057
9	2969	0.28	0.035
10	2970	5.16	0.73
11	2971	2.11	0.25
12	2972	3.64	0.51
A-1	2973	0.43	0.06
A-2	2974	0.45	0.06
A-3	2975	1.40	0.15
A-4	2976	0.08	0.012
B-1	2977	2.60	0.31
B-2	2978	4.19	0.38
B-3	2979	2.77	0.42
B-4	2980	1.56	0.28
C-1	2981	4.61	0.80
C-2	2982	7.44	1.32
C-3	2983	9.12	1.35
C-4	2984	5.24	0.80
D-1	2985	0.68	0.10
D-2	2986	1.18	0.10
D-3	2987	0.42	0.06
D-4	2988	0.78	0.07

HER 0008471

1976 EXPOSURES

<u>Work Station</u>	<u>Average</u>	<u>High</u>	<u>Low</u>	<u>% Over 2.0 f/cc</u>	<u>% Over 0.5 f/cc</u>
Pipe Machine Forklift Operator	.23	.23	.23	0	0
Asbestos Fiber Charger Operator	2.14	8.64	.03	36	82
A/C Mixing Dept. Vacuum Cleaner Operator	.55	1.41	.06	0	28
Pipe Machine Tender	.54	1.10	.10	0	57
No. 1 Finishing Line Pipe Unloading Operator	.18	.50	.02	0	0
No. 1 Finishing Line Pipe Lathe Operator	.04	.89	.08	0	42
No. 1 Finishing Line Pipe Flex Operator	.66	1.16	.28	0	42
No. 1 Finishing Line Pipe Hydro-tester Operator	.52	1.59	.03	0	25
Finishing Line Forklift Driver	1.62	6.01	.03	25	25
No. 2 Finishing Line Pipe Unloading	.36	.58	.02	0	33
No. 2 Finishing Line Pipe Lathe Operator	.44	.75	.06	0	57
No. 2 Finishing Line Pipe Hydro-tester Operator	.31	.42	.11	0	0
No. 2 Finishing Line Pipe Record Keeper & No. 2 Flex Tester	1.17	3.35	.36	29	71
Small MOA Lathe Operator	.06	.07	.05	0	0
Large MOA Lathe Operator	.77	1.58	.06	0	50
Small Coupling Lathe Operator	.26	.30	.17	0	0
Large Coupling Lathe Operator	.25	.38	.19	0	0
Coupling Cut-Off Operator	.39	.75	.11	0	33
MOA Saw Operator	1.08	3.33	.20	11	78
A/C Regrind Operator	.38	.71	.09	0	50
Motorized Vacuum Cleaner Operator	.07	.10	.04	0	0

1977 EXPOSURES

<u>Work Station</u>	<u>Average</u>	<u>High</u>	<u>Low</u>	<u>% Over 2.0 f/cc</u>	<u>% Over 0.5 f/cc</u>
Landfill Heavy Equipment Operator	.01	.02	.01	0	0
No. 1 Pipe Bundler	.10	.15	.05	0	0
No. 2 Pipe Bundler	.03	.03	.03	0	0
A/C Fittings Manufacturer Operator	<u>.01</u>	<u>.01</u>	<u>.01</u>	<u>0</u>	<u>0</u>
1976-77 SUMMARY AVERAGES	.49	1.36	.10	4.04%	25.92%

SAMPLINGS FOR THESE WORK STATIONS WERE NOT AVAILABLE IN 1976.

425. ② pages to be
added
CT3. 0544

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CAPCO ASBESTOS ANALYSES

CAPCO Sample No.	ASARCO Lab No. (1974)	Fiber/cm ³	
		Asbestos Fiber Count	8-Hour Time- Weighted Average
1	2961	12.69 -	1.43
2	2962	11.08	1.22
3	2963	3.94	0.58
4	2964	1.05	0.15
5	2965	0.40	0.038
6	2966	0.25	0.024
7	2967	0.02	0.007
8	2968	0.36	0.057
9	2969	0.28	0.035
10	2970	5.16	0.73
11	2971	2.11	0.25
12	2972	3.64	0.51
A-1	2973	0.43	0.06
A-2	2974	0.45	0.06
A-3	2975	1.40	0.15
A-4	2976	0.08	0.012
B-1	2977	2.60	0.31
B-2	2978	4.19	0.38
B-3	2979	2.77	0.42
B-4	2980	1.56	0.28
C-1	2981	4.61	0.80
C-2	2982	7.44	1.32
C-3	2983	9.12	1.35
C-4	2984	5.24	0.80
D-1	2985	0.68	0.10
D-2	2986	1.18	0.10
D-3	2987	0.42	0.06
	2988	0.70	0.07

Lead present

*11.08
10.00 15 min -
1.5 Turned up
8/1/80*

*Pl. Cont
cut off saw, p
Bath up
1-1/2" bath*

HER 0008475