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

M. O. VARNER
Manager

PLAINTIFF'S EXHIBIT
CAP-82

January 20, 1976

CONFIDENTIAL

Mr. F. W. Limbaugh
CAPCO-Ragland

Attached are the concentrations of asbestos-like particles in areas around the Ragland Plant as determined by particle counting on twenty-five samples submitted by you December 23, 1975. Five of the samples exceed the present OSHA 8-hour time-weighed average exposure of 5 fibers (>5μ) per cubic centimeter. Three of the samples exceed the present 10 fiber/cc ceiling value. The present standard provides for a reduction of the 5 fiber limit to 2 fibers/cc effective July 1, 1976. Six samples exceed this two fiber limit.

OSHA has proposed a new asbestos standard which calls for an eight-hour time-weighted average of 0.5 fibers/cc rather than 5 and a ceiling value of 5 fibers/cc rather than 10. Thirteen of the following samples exceed the 0.5 standard while 5 exceed the proposed ceiling value.

The following results are not 8-hour averages and if an employee's exposure changes, these concentrations would have to be adjusted. The above statements indicating numbers of samples over the standard assume constant eight hour exposure at these levels.

Donald A. Robbins
Chief Chemist

DAR/ms
Attachment

cc: MJMessel (w/attach.)
JRCarpenter (")
GEFox (")
MOVarner (")
JPSieverson (")

HER 0008423

1975 ASARCO Lab No.	Ragland No.	Exposure Date	Sampling Period (min) @2 liters/min.	Fibers/cc
3537	101	12/3	32	.49
3538	102	12/3	45	.16
3539	103	12/8	35	.37
3540	104	12/8	59	.22
3541	105	12/4	46	8.98
3542	106	12/4	85	6.54
3543	107	12/4	28	16.79
3544	108	12/4	23(?)	22.30
3545	109	12/4	72	1.21
3546	110	12/4	57	1.75
3547	111	12/4	27	3.85
3548	112	12/4	29	13.27
3549	113	12/8	36	.67
3550	114	12/8	26	.66
3551	115	12/11	50	.43
3552	116	12/11	41	.52
3553	117	12/15	29	.42
3554	118	12/15	76	.20
3555	119	12/11	50	.21
3556	120	12/11	41	.34
3557	121	12/15	32	.14
3558	122	12/15	76	.20
3559	123	12/18	44	.56
3560	124	12/19	30	.36
3561	125	12/19	30	1.12

NOTE: Time on #108 difficult to read.