PLAINTIFF'S EXHIBIT

AL-2389

ALUMINUM COMPANY OF AMERICA

Rockdale Works LABORATORY

REPORT TO	DATE	REPORT NO.
E. B. Parker	79-10-04	6797-C

SAMPLE OF AIR

Sampled 79-10-02
Analyzed 79-10-03

RECEIVED FROM

COPIES TO D. L. Smith ; J. J. Congleton

DESCRIPTION

NOTES: 1. Sample No. 6 filter worn by E. W. Roberts, 01142, S.S. No. 454-52-1151.

2. Sample No. 7 filter worn by E. R. Dismukes, 02249, S.S. No. 462-72-5846.

3. Both men wore a 3M No. 8710 respirator and disposable plastic coveralls and hood. The filter was located on the right shoulder outside the hood.

4. Roberts operated the needle gun and spent most of the time up on the pot shell either kneeling on one knee or bending over at the waist.

5. Dismukes held the inlet end of the vacuum cleaner hose next to the surface of the pot shell and as close as possible to the needle gun. He also used the vacuum cleaner hose to remove material loosened by the needle gun. He spent all his time standing on the floor.

6. Only a small amount of dust was visible during the test. The dust occurred only when they removed the thicker deposits of material. Any dust created tended to stay close to the pot shell surface. The vacuum system captured most of this dust, but some of it escaped into the surrounding area.

1979 OCT 04

ANALYZED BY CHR APPROVED BY A. G. C.

SF-1633 (REV. 6-62)

ARD 003761

ALUMINUM COMPANY OF AMERICA

Rockdale Works LABORATORY

REPORT TO	DATE	REPORT NO
E. B. Parker	79-10-04	6797-E

SAMPLE OF AIR

Sampled 79-10-02
Analyzed 79-10-03

RECEIVED FROM

COPIES TO D.L. Smith ; J. J. Congleton

DESCRIPTION

NOTES: 7. Two pot shells were cleaned during the test.

8. The operation is quite noisy.

1979 OCT 04

ANALYZED BY CHR APPROVED BY A G L

7-1633 (REV. 6-62)

ARD 003762

FROM E. B. PARKER
ROCKDALE WORKS

TO MR. E. C. REMALEY
ROCKDALE WORKS

1979 October 08

RE: PERSONAL EXPOSURE SAMPLES - ASBESTOS

Results of the tests run on 1979 September 14 to determine personal exposure to asbestos when potshell bottoms were being cleaned with a disc sander are tabulated below. Also, the lab report is attached.

Name	Exposure Time (Minutes)	Asbestos Fiber Concentration (Fibers >5 μm Long/cc) Maximum During Test	8 Hour TWA	OSHA Std. 8 Hr. TWA
F. Marshall	196	0.16	.07	2.0
R. Perrard	14	1.49	.04	2.0
Area Sample 2	176	0.03	.01	-
Area Sample 3	174	0.06	.02	-
Area Sample 4	177	0.05	.02	-

None of the samples indicate an over-exposure problem.

Would you please communicate these results to the people involved.

E. B. PARKER

EBP:cw
Attachment

Copy - J. W. Havins
G. H. Lantz
W. D. Essary
[redacted] Smith
A. G. Clayton

ALCOA

ARD 003763

ALUMINUM COMPANY OF AMERICA

Rockdale Works LABORATORY

REPORT TO	DATE	REPORT NO
E. E. Parker	79-10-01	[illegible]-E

SAMPLE OF AIR

RECEIVED FROM

COPIES TO E.C. Pemberton

Sampled 79-09-14

Analyzed 79-09-25

DESCRIPTION Sample taken to check asbestos content of air in Bldg. 27. Sample taken on and around maintenance personnel during the straightening of pot shells and the sanding of pot shell bottoms prior to removing damaged areas.

Sample No.	Sampling Time (min.)	Asbestos Fiber Concentration (fibers > 5 μm long/cc)
1	196	0.16
2	196	0.03
3	194	0.06
4	197	0.05
5	14	1.49

1979 OCT 01

ANALYZED BY CHR APPROVED BY A. G. G

SF-1633 (REV 6-62)

ALUMINUM COMPANY OF AMERICA

Parkersburg Works LABORATORY

REPORT TO	DATE	REPORT NO
E. R. Parker	79-10-01	6796-E

SAMPLE OF AIR

RECEIVED FROM

COPIES TO E. C. Pengelley

DESCRIPTION Samples taken to check asbestos content of air in Bldg. 27.

NOTES: 1. Sample No. 1 filter was worn by Fred Hildreth, clock number 21123, Social Security number 456-74-1044. Sample was taken while he used the Elmes Wheel Press to straighten a pot shell and move a 3rd into position to be straightened. He wore a 3M No. 8710 respirator during the sampling period. Approximately 15 minutes of the sample time was used to prepare the press for use. A total of approximately 25 minutes of sample time was used to move other equipment with Bldg 27 crane.

Sampling was stopped when Nothing used the crane.

The sample period started at 8:12 A.M. and finished at 6:20 P.M. It was divided into 3 sampling segments of 52, 57 and 43 minutes.

Pot shell No. 1 had very little material adhering to the bottom, and no dust was visible during the straightening process. Pot shell No. 2 had several large pieces of material adhering to the bottom, and no dust was visible during the straightening process. Pot shell No. 3 was moved to the area of the Elmes Wheel Press, but it was not straightened because the bottom had several areas covered with a fuzzy, fibrous coating which they thought was asbestos.

2. Sample No. 2 filter was an area sample located approximately 5 feet above the floor and approximately 20 feet southwest of the Elmes Wheel Press. Sampling time corresponds with that of Sample No. 1.

3. Sample No. 3 filter was an area sample located approximately 5 feet above the floor and approximately 25 feet southwest of the Elmes Wheel Press. Sampling time corresponds with that of Sample No. 1.

ANALYZED BY CHR APPROVED BY 1979 OCT 03

CP-1033 (REV. 8-62)

A. U. M.

ARD 003765