



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
CENTER FOR DISEASE CONTROL

NATIONAL INSTITUTE FOR OCCUPATIONAL
SAFETY AND HEALTH — ALOSH
944 CHESTNUT RIDGE ROAD
MORGANTOWN, WEST VIRGINIA 26505

RECEIVED
DEC 18 1978
DRITAMER CLARK &
DANIELS

December 12, 1978

Mr. M. W. Glenn, Jr.
P.O. Drawer F
Chatsworth, GA 30705

Dear Mr. Glenn:

The preliminary evaluation of the environmental data collected as part of the industry-wide study of talc miners and millers has been completed.

The analysis of your Van Horn facility is included. This facility has been designated as plant number 11. This code number is unique to this facility and will appear on all summaries of data.

The respiratory dust samples were collected and analyzed according to NIOSH method SDS #29.02. This is listed in Table I.

The asbestos samples were collected and analyzed according to NIOSH method P and CAM #239. This is reported in Table II.

The crystalline silica samples were collected and analyzed according to NIOSH method P and CAM #109. This is reported in Table III.

The trace metal samples were collected and analyzed according to NIOSH method P and CAM #173. This is reported in Table IV.

The job classification codes for your facility are as follows:

JOB	CLASSIFICATION CODES
Bagger	1
Stacker	2
Fork lift operator	4
Mill operator	5
Laborer	6
Foreman	7
Front end loader operator	9
Maintenance	10
Miner	18
Crusher	29
Welder	30

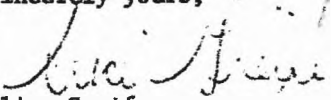
PLAINTIFF'S
EXHIBIT
WCD-175

Mr. Glenn
December 12, 1978
Page 2

The arithmetic means of the respirable dust samples are given in Table V.

We would like to thank you for your cooperation in this project.
If you have any questions concerning these results please feel free to contact me at (304) 599-7421.

Sincerely yours,



Alice Greife
Environmental Investigations Branch

AG:sp

Enclosure

Table I

----- PLANT=11 -----				
OBS	UK	JOB	WORKER	DUST
109	113	1	6	1.47
110	113	1	12	1.82
111	113	1	17	10.71
112	114	2	16	1.61
113	116	4	20	3.03
114	116	4	25	1.75
115	116	5	14	38.39
116	116	6	5	0.37
117	116	6	7	0.92
118	116	6	9	0.43
119	116	7	18	0.36
120	116	9	10	2.92
121	116	10	11	2.34
122	116	10	13	3.43
123	116	10	15	3.41
124	116	10	21	0.87
125	116	10	22	1.63
126	206	18	23	0.11
127	206	18	24	0.20
128	126	29	8	1.69
129	116	30	19	3.51

Dust concentrations are expressed as mg/m^3

Plant 11

Table II
(asbestos)

Less than 1% fibrous tremolite present.

Table III

The bulk analysis of your talc revealed 2.5% free silica.

Table IV
(ug/sample)

Arithmetic Mean

Iron	Manganese	Calcium	Aluminum	Zinc	Nickle
7	<u>2</u>	227	13	<u>2</u>	<u>2</u>

Limit of Detection

2	2	2	5	2	2
---	---	---	---	---	---

Table V
(Arithmetic Means)

Job	$\bar{X}$ (ug/m ³)	SD	N
1	4.67	5.24	3
2	1.61	--	1
4	2.39	.91	2
5	38.39	--	1
6	.57	.30	3
7	.36	--	1
9	2.92	--	1
10	2.34	1.12	5
18	.16	.06	2
29	1.69	--	1
30	8.51	--	1

$\bar{X}$ = arithmetic mean SD = standard deviation N = number of workers in job classification