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April 3, 1968

Mr. L. O. Griffith, Jr.
Works Manager
Pittsburgh Corning Corporation
Post Office Box 37
Port Allegany, Pennsylvania 16743

Dear Larry:

Subject: U.S.P.H.S. Asbestos Dust Studies Report - March 27, 1968

I have reviewed the subject report to you from J. R. Lynch, a copy of which was sent to me at my request. This showed a significant health hazard existed from asbestos dust inhalation throughout the unibestos operation. The following jobs were evaluated: mixer feeder, forming builder, finishing saw operator, material handler, packer, inspector and foreman. Similar findings have been made in previous industrial hygiene surveys of this operation and control recommendations have been made. You must anticipate that both some cases of asbestosis and an increased incidence of pulmonary carcinoma will develop in your employee population as a result of continued exposure to these levels for 15 or more years. I strongly recommend appropriate steps be taken as soon as possible to reduce asbestos dust exposure of the unibestos employees to safe levels.

Sincerely,

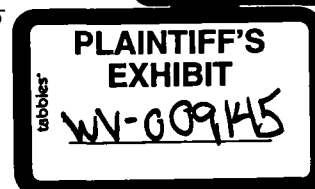
Lee B. Grant, M.D.

lnr

cc: Mr. B. M. Stout

GRANT 17 A
1-21-84
AAB

Corr Exp #17A
RD 12-1-83



25

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(2)

April 3, 1968

Mr. L. G. Griffith, Jr.
Works Manager
Pittsburgh Corning Corporation
Post Office Box 37
Fort Allegany, Pennsylvania 16743

Dear Larry:

Subject: U.S.P.H.S. Asbestos Fact Studies Report - March 27, 1968

I have reviewed the subject report to you from J. R. Lynch, a copy of which was sent to me at my request. This showed a significant health hazard existing from asbestos dust inhalation throughout the unibestos operation. The following jobs were evaluated: mixer feeder, loading bucket, finishing saw operator, material handler, packer, inspector and foreman. Similar findings have been made in previous industrial hygiene surveys of this operation and control recommendations have been made. You must anticipate that both some cases of asbestosis and an increased incidence of pulmonary carcinoma will develop in your employee population as a result of continued exposure to these levels for 25 or more years. I strongly recommend appropriate steps be taken as soon as possible to reduce asbestos dust exposure of the unibestos employees to safe levels.

Sincerely,

Lee E. Grant, M.D.

lgr

cc: Mr. E. M. Stout

Stout

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Corn En # 17A

(HW) 12-1-83

Stout-Ex 12

6-20-84 for 25 (2)

March 27, 1968

Mr. L. O. Griffith Jr.
Works Manager
Pittsburgh Corning Co.
Fort Allegany, Pennsylvania 16743

Dear Mr. Griffith:

The analysis of the air samples collected in your plant during our survey in April 1967 has been completed, and the results are attached. The impinger samples were counted during the survey using the American Conference of Governmental Industrial Hygienists' method. The membrane filters were rendered transparent with a 50-50 mixture of diethyl oxalate, dimethyl phthalate and counted at 420X magnification with phase contrast illumination.

The dust concentrations as measured by impinger exceeded the 5 million particles per cubic foot Threshold Limit Value currently in use, in a number of locations. The membrane filter method is experimental and no standard has been set for its interpretation in this country. (The British Occupational Hygiene Society has issued "Hygiene Standards for Chrysotile Asbestos Dust" for the 5 µ + fiber counts in fibers/cc as follows: Negligible, Less than 0.5; Low, 0.5-2.0; Medium, 2.0-10.0; High, More than 10.0. They also recommend that "When it is necessary to work in a 'high dust' area an approved mask should be worn," The standards are for three-month averages.) Some relationships between the impinger and filter measurement, and some results of surveys of other asbestos product areas, are discussed in the enclosed reprints.

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

Enclosure

cc: Dr. Lee Grant

Corn Exh # 17B
LW 12-1-83

Results of Air Samples of April 1967

Pittsburgh Corning, Port Allegany, Pennsylvania

Operation		Impinger		Membrane Filter		
		Sample #	mppcf	Sample #	Fibers/cc Total 5 μ +	
<u>Mixing</u> <u>Feeder</u>	B	206	7.8	207	186.2	106.0 ✓
		116	11.0	117		
	P			205	39.6	20.9 ✓
				237	207.67	124.47
				428	275.73	175.63
	G	103	1.9			
		111	2.1			
<u>Forming</u> <u>Subject</u>	B	114	2.4	115		
		128	9.8	129	394.2	204.2 ✓
		222	5.6	223	71.9	28.6
		203	2.6	209	91.8	41.7
		142	24.3	143	115.0	59.4
	P			200	202.29	119.56
				201	74.7	48.7
				204	76.4	35.8
				220	139.63	80.54
				234	140.40	74.12 ✓
				235	315.71	201.41
				236	323.32	199.49
				424	136.67	72.67
				425	170.31	93.31
				426	105.3	52.7
				427	135.71	105.26
				429	184.50	98.50
	G	125	8.6			

NOTES:

B - Breathing zone simultaneous impinger-membrane filter samples.

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

G - General air samples.

Pittsburgh Corning

Operation		Impinger		Membrane Filter		
		Sample #	mppcf	Sample #	Fibers/co	Total 5 μ +
Finishing						
Saw Operator	B	134	3.7	135	44.4	21.6 ✓
	P			212	64.8	36.4
				213	58.6	42.2
				214	47.8	33.1 ✓
				215	33.9	17.2
Material Handler	B	136	4.2	137	53.4	25.7 ✓
	C	151	6.1			
		121	3.0			
Packing and Inspection						
	B	140	5.2	141	46.4	24.9
		133	5.1	139	52.1	30.0 ✓
Inspection	P			211	18.4	8.2
Foreman	P			210	27.1	18.4
Glass Block Selector	B	232	0.4	233	0.0	0.0
	P			227	.6	.1
Coating Machine Operator	P			226	0.0	0.0
Press Operator	P			228	0.0	0.0
Sealing Machine Operator	P			229	.5	.1
Spray Painter	P			217	.1	.0
Polyurethane Mixer	P			219	.2	.0

Pittsburgh Corning

Operation		Impinger		Membrane Filter		
		Sample #	ppcf	Sample #	Fibers/cc Total 5 μ +	
Polyurethane Hot Wire Machine Operator	B	224	1.6	225	5.5	1.2
	P			216	.7	.2
Saw Operator	B	230	0.3			
	P			218 221	3.2 1.5	1.2 .8
Foamglass Block Molder	B	419	4.8	418	9.5	.8
	P			406 407	1.0 1.9	.2 .7
Band Sawyer (FIB)	B	413	3.0	412	6.4	1.6
	P			401 402 403 409	14.4 5.0 3.4 22.5	4.0 1.8 1.0 3.3
Foam Box Builder	B	421	12.8	420	20.8	.8
	B	417 423	13.3 18.5	416 422	13.0 16.4	1.9 1.4
	P			404 410 411 400	2.2 16.6 6.4 14.4	.4 2.5 1.0 4.0
	P			405 408	5.2 3.3	1.5 .3
	B	415	1.7	414	5.95	0.7
Stacker (FAB) Block and Foam Weigher	B	239	3.7	239	5.6	.7

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