March 27, 1968

Mr. L. O. Griffith Jr.
Works Manager
Pittsburgh Corning Co.
Port 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 430X 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,

PLAINTIFF'S EXHIBIT WV-09656

Jeremiah R. Lynch
Asst. Chief, Environmental Activities
Field Studies
Occupational Health Program

Enclosure

✓ cc: Dr. Lee Grant

Corn Exh # 17B
12-1-83

GRANT EX- 17 A
1-21-84

PLAINTIFF'S EXHIBIT 43930

Results of Air Samples of April 1967

Pittsburgh Corning, Port Allegany, Pennsylvania

Operation		Impinger		Membrane Filter		
					Fibers/cc	
		Sample #	mppcf	Sample #	Total	5 μ +
Mixing Feeder	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	275.78	175.63
	G	103	1.9			
		111	2.1			
Forming Builder	B	114	2.4	115		
		128	9.8	129	384.2	204.2
		222	5.6	223	71.9	28.6
		208	2.6	209	91.8	41.7
		142	24.3	143	113.0	59.4
	P			200	202.29	118.69
				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	58.7
				427	135.71	105.26
				429	184.90	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/cc 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
	G	151	6.1			
		131	3.0			
Packing and Inspection						
Packer	B	140	5.2	141	46.4	24.9
		138	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

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Operation		Impinger		Membrane Filter		
					Fibers/cc	
		Sample #	cppcf	Sample #	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	3.2	1.2
				221	1.5	.8
Foamglass Mold Filler	B	419	4.8	418	9.5	.8
	P			406	1.0	.2
				407	1.9	.7
Band Sawyer (FAB)	B	413	3.0	412	6.4	1.6
	P			401	14.4	4.0
				402	5.0	1.8
				403	3.4	1.0
				409	22.5	3.3
Foam Box Builder	B	421	12.8	420	20.8	.8
Packer (Finishing)	B	417	13.3	416	13.0	1.9
		423	18.5	422	16.4	1.4
	P			404	2.2	.4
				410	16.3	2.5
				411	6.4	1.0
				400	14.4	4.0
Cutter	P			405	5.2	1.5
				408	3.3	.3
Stacker (FAB)	B	415	1.7	414	5.7	0.7
Block and Foam Weigher	B	238	3.7	239	5.6	.7