IV.

November 9, 1967

Commonwealth of Pennsylvania
Department of Health
Regional Office II
Williamsport, Pennsylvania

Attention: Jan Lieben, M.D., Director
Division of Occupational Health

Dear Dr. Lieben:

This will acknowledge your letter of October 25, 1967 concerning the evaluation of asbestos dust and heat exposures of our employees in the Glass Block and FOAMGLAS® manufacturing plants.

We have carefully reviewed the recommendations, together with the supporting data, and have the following comments:

1. We are taking immediate action to relieve the positive pressure in the Building Machine enclosure.

2. The pressure of the sodium silicate spraying apparatus has been checked and found satisfactory.

3. Lowering of the hood on Number 2 Building Machine will be considered if the steps taken in Item 1 prove unsuccessful.

4. We expect to complete the modification of the sawing area by mid - '68.

5. The air blast from the convective heater has been directed away from the entrance to the scrap bin.

6. A schedule has been established with the Pennsylvania Department of Health to X-ray our employees every two years. This was the schedule recommended by the Department when they were here in September.

Before commenting on the remaining recommendations (Items 7 through 14) we would appreciate very much your checking the arithmetic involved in calculating the Heat Stress Indices (H.S.I.). We find several instances where the values shown in the "Required" column are not compatible with values

PLAINTIFF'S EXHIBIT 9091.0

PLAINTIFF'S EXHIBIT WV-11052

14

SJ 00047

derived by the formula. We also question the values shown in the Heat Stress Index column...they are, we believe one hundred times too large! I have attached Xerox copies of the data sheets showing what we believe to be the correct H. S. I. values. If these are correct, then I am sure you will agree with our contention that our employees have little to worry about from heat exposure.

May we have your comments?

Very truly yours

L. O. Griffith, Jr.
Works Manager

Attach

LOG,Jr.:vr

Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 1

Heat Stress Calculations

Pittsburgh Corning Corporation
Port Allegany, Pennsylvania

Location	Air Velocity fpm	Man's Position °F DB	WB	Globe	Convective Heat Gain (C) BTU/hr	Radiant Heat Gain (R) BTU/hr	Metabolism (M) BTU/hr	Erequired (M+R+C) BTU/hr	Emaximum (2400 BT/hr maximum) BTU/hr	Heat Stress Index (H.S.I.) from Exer
Foamglass furnaces:										
#1	1350	68	63	104	-1540	4090	1000	3550	2400	
#2	1200	64	61	100	-1650	3800	1000	2150	2400	177
#3	2700	62	59	120	-2860	9520	1000	7660	2400	
Lunch room	10	71	64	-	-72	-	400	-92	312	
Furnaces										
#4	1350	62	59	131	-1940	8170	1000	7230	2400	
#5	1200	62	59	123	-1750	6800	1000	6050	2400	282
#6	1600	74	66	138	-1330	8350	1000	8020	2400	
Glass Block Plant:										
Sealer #4	2400	90	70	134	-403	5470	1000	6067	2400	
Filler Feed	700	105	77	135	+385	3062	700	4147	2400	189
Sealer #1	2000	90	73	122	-363	4925	1000	5662	2400	
Lunch room	100	76	66	-	-240	-	400	160	1255	
Press #4 (at press)	150	110	77	128	+24	1230	700	1954	1590	24
Press #4 (at bench)	360	83	69	93	-301	-35	400	64	2400	

SJ 00049

Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Heat Stress Calculations

Table 1 continued

Location	Air Velocity fpm	Man's Position °F DB	WB	Globe	Convective Heat Gain (C) BTU/hr	Radiant Heat Gain (R) BTU/hr	Metabolism (M) BTU/hr	Erequired (M+R+C) BTU/hr	Emaxium (2,00 BT/ hr maximum) BTU/hr	Heat Stress Index (H.S.I.) Ereq / Emax
Glass Block Plant (continued)										
Press #1 (at press)	75	94	73	118	-10	1015	700	1705	1059	
Press #1 (at window)	750	89	72	119	-224	2870	700	2146	2400	158
Press #1 (at weigh scale)	300	95	74	135	0	2770	700	3770	2313	
Press #1 (at mold)	150	108	80	144	+197	2190	700	3387	1300	

SJ 00050