

PLAINTIFF'S EXHIBIT

MAR-50

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February 14, 1969

Mr. Ralph C. Wyatt
Plant Manager
Maremont Grizzly Corp.
Paulding, Ohio 45379

Dear Mr. Wyatt:

The analysis of the air samples collected in your plant during our survey in September 1966 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 50-50 mixture of diethyl oxalate, dimethyl phthalate and counted at 430X magnification with phase contrast illumination.

The dust concentration as measured by impinger exceeded the 5 million particle per cubic foot Threshold Limit Value currently in use, in several locations. The membrane filter method is experimental and no standard has been adopted for its interpretation in this country. However, the British Occupational Hygiene Society has issued "Hygiene Standards for Chrysotile Asbestos Dust" for the 5 u + fiber counts, averaged over a three month period, as follows:

Range	fibers/cc
Exigible	less than 0.5
Low	0.5 - 2.0
Medium	2.0 - 10.0
High	more than 10.0

They also recommend that an approved respirator be worn when it is necessary to work in "high" concentration areas.

Some reprints relating to our study are enclosed. Your cooperation is appreciated and the data gained from your plant is of considerable value.

Sincerely yours,

cc: Prog. Mgmt. Offer.
Dr. Cralley

JRLYCH:ms

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

Attachments

32-83-1158-1 Ridge
Maremont-Grizzly Corp. OH

OSH 007

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Results of Air Samples of September 1966

Marcumont-Grizzly Corp., Paulding Ohio

Operation		Impinger		Membrane Filter		
		Sample #	mpcf	Sample #	Total	Fibers/cc 5 μ +
Mixing & Coating Mixer	B	112	47.6	113	11.3	7.0
		138	0.7	139	15.5	1.8
		11	0.9	12	10.7	5.5
	G	15	0.4			
		8	2.1			
	P			108	20.9	14.8
				109	30.3	20.5
				111		
				127	5.5	3.5
	Roll Mill Operator	B	149	0.7	150	6.6
				137	3.4	1.3
				141	1.0	0.2
				142	3.3	2.1
Forming Proform Operator	P			129	13.4	7.4
				130	4.8	2.0
				131	3.1	1.9
				22	0.8	0.8
	B	27	0.8			
	G	32	0.9			
Form Cure Operator	P			160	4.2	1.3
				161	2.8	1.0
				166	3.0	2.2
				168	3.3	2.8

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.

32.83 - HWSB-Ridge
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Maremont-Grizzly Corp.

Operation		Impinger		Membrane Filter	
		Sample #	mppcf	Sample #	Fibers/cc Total 5 µ +
Forming Clutch Winder	P			103	10.6 8.3
Hot Pressing Hot Press Operator	P			102	8.5 6.5
				103	9.0 6.0
				104	6.4 4.3
				128	5.2 3.1
	B	19	0.8	20	2.0 1.0
Hot Press Operator (Clutch)	P			107	8.7 5.7
				126	0.9 0.6
	B	53	3.3	54	15.0 6.0
Hot Press Helper	P			106	7.4 6.3
				110	17.0 12.8
Baking Oven Operator	P			136	11.9 7.0
Oven Helper	P			143	18.5 11.3
Grinding & Sanding Banchett Operator	B	209	0.9	210	15.9 1.8
		147	20.6	148	155.5 111.0
		162	0.7	163	5.5 2.8
		180	3.2	181	9.6 4.6
		34	1.1	35	5.5 2.1
	P			185	7.7 3.0
				133	
				173	5.2 2.5
				152	4.5 2.1
				174	19.3 9.7
				196	5.6 2.2
				186	5.7 1.9
				165	6.4 2.2
				158	5.8 3.3
				153	4.9 2.0
				140	4.5 2.0

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Harcourt-Grizzly Corp.

Operation		Impinger		Membrane Filter		
		Sample #	mpmcf	Sample #	Total	Fibers/cc 5 u +
Grinding & Sanding						
Wanchett Operator	G	57	0.6			
Edge Grinder	P			125	2.6	1.2
				197	4.4	1.1
				198	4.6	1.6
Radius Grinder	B	13	0.5	14	2.0	1.4
	P			121		
Cutting Drilling-Drill Press	G	208	0.4			
		36	0.7			
	B	211	1.2	212	13.6	1.2
	P			117	5.4	3.9
				119	14.2	10.6
				122	4.0	2.5
				124	4.8	4.0
				182	12.6	6.7
				184	2.1	0.7
				189	4.6	2.2
				191	4.7	2.9
				205	3.2	1.3
Drill & Counter bore	P			187	2.0	0.9
	B	51	0.9	52	2.0	0.9
		67	0.8	68	4.7	0.8
Punch Press	P			100	33.2	25.2
				132	4.3	2.0
	B	40	1.3	39	16.6	10.6
Do All Sgs	B	176	1.0	177	6.7	2.2
	P			159	2.9	1.1
				157	2.3	1.1
				170	5.6	2.2
				199	4.8	2.0
				114	2.3	2.0
				123	2.4	1.9
	B	55	0.7	36	6.0	1.2

3a. 83 - HW 58 - Ridge
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