Manville General
February 3, 1947
Dict. 1/31/47

Mr. Vandiver Brown
General Headquarters

Dust Counts at Manville Factory

I am attaching herewith some data on dust counts at Manville Factory. The figures shown in the first column on the left are those that have just been completed by Metropolitan in the month of January. The pencilled figures to the right of the first column are counts that were taken by Metropolitan in 1934 in similar locations, that is, when this equipment was in another building.

Opposite the second column of typed figures, we have put in counts taken by the New Jersey State Health Department in 1944. Three of these as shown are in the identical spots where Metropolitan took their counts.

From the counts taken recently by Metropolitan, you will see that at no location in this department is the count below five million. The counts are also much higher than those taken by the State of New Jersey but the equipment used is different and it is our understanding that Metropolitan gets much higher values with their equipment than does the New Jersey State Department. In other words, while we have check figures, they are not arrived at by the same method and are not of much value for comparison purposes.

I will be pleased to talk with you on the 'phone about these after you have had a chance to study them.

JEB:HH

J. E. Begert

encl.

CE-1

Joe SLOVAK worked adjacent to but not at any machine as Dusts. Samples as 1-2-3

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LABORATORY REPORT
JOHNS-MANVILLE CORPORATION, MANVILLE, NEW JERSEY

Sample Number	Laboratory Number	Location	Duration of Sampling	Present Control	Tot. Dust Count in mppcf*	Fibre Count in mppcf*
1	F-64	Chaser mill loading and unloading and pneumatic conveyor hopper filling.	12.5 min.	Local Exhaust	5.6	0.8
2	F-65	Mixing machine hopper filling	10 min.	Local exhaust	4.4	0.8
3	F-66	Bin unloading and weighing in mixing room	12.5 min.	Respirators	5.5	0.9
[redacted]	F-67	Carding - Machines #37-38-39-40	10 min.	Local exhaust	2.1	0.2
[redacted]	F-68	Carding - Machines #34-46-47-48	8 min.	Local exhaust	4.0	0.2
6	F-69	Carding - Machines #31-32-33-34	10 min.	Local exhaust	3.2	0.4
7	F-70	Carding - Machines #7-8-9-10	10 min.	Local exhaust	4.2	0.5
8	F-71	Mule spinning	10 min.	None	5.4	0.7
9	F-72	Wick Spinning	10 min.	None	1.1	0.1
10	F-73	Ring frame winding	10 min.	None	0.9	0.2
11	F-74	Double twist spinning	10 min.	None	1.7	0.4
[redacted]	F-75	Regular twist spinning	10 min.	None	1.7	0.4
13	F-76	Cloth weaving	10 min.	Moving exhaust	4.4	1.6
14	F-77	Cloth weaving	10 min.	Stationary exhaust doors up	5.8	1.2
15	F-78	Dry brake lining weaving	10 min.	None	7.2	1.9
16	F-79	Scratching card machine aprons	10 min.	None	2.4	0.4

* (million particles per cubic foot)
All samples collected in Midget Impingers No. 5 and 6 using 10 ml. of distilled water as a collecting media.
Date collected: 11-8-44 Date analyzed: 11-9-44

JCK:dsc

CE-1