

RESULTS OF AIR SAMPLES

**JOHNS-MANVILLE
Textile Plant
Manville, New Jersey**

IWS-32.22a

January, 1965

plant #11

Johns-Manville
Results of Air Samples of January, 1965
Manville, New Jersey
Textile

Operation	Impinger		Membrane Filter		
	Sample #	mppcf	Sample #	Total fibers/cc	10 μ +
Carding					
Card Tender—EZ	120		121	25.3	5.7
	129	0.2	130	2.6	0.2
	133	0.3	134	2.7	0
			211	11.8	3.4
	212	0.7	213	57.5	14.1
	214	0.4	215	9.4	1.9
	216	1.0	217	44.6	11.2
	317	1.4	318	13.7	3.3
	319	2.7	320	37.8	10.6
	344	1.2	245	27.4	8.2
			209	0.2	0
Personal			323	13.3	3.0
			325	37.4	11.6
			326	27.7	7.6
			327	8.7	1.8
			346	9.5	1.6
			347	17.1	5.8
			348	3.7	0.4
			349	12.4	2.9
			350	24.5	2.5
			351	15.3	2.5
Stocker—EZ	013	1.7	014	39.7	5.3
	015	1.5	016	34.9	5.3
Personal			322	23.3	5.6
			404	24.0	3.4
Clean Pipes & Waste Hauler—EZ	126A	0.7	126B	20.7	4.3

NOTES ON ABBREVIATIONS

"Personal" refers to personal samples on membrane filters
 "EZ" refers to breathing zone samples by companion impinger & membrane filter
 "Seq." refers to unattended samples taken by a sequential sampler
 "Gen." refers to sample of general plant air in the particular department

Johns-Manville, Manville, New Jersey

Operation	Dropper		Membrane Filter		
	Sample #	mpcf	Sample #	Total	Fibers/cc 10 μ +
Carding (Continued)					
Lap Tender--EZ	127	0.2			
Lap Winder--EZ	355	0.4	354	0	0.0
Personal			400	50.4	4.6
Grinder	352	1.5	353	17.7	0.6
	356	0.2	357	0.4	0.0
Personal			401	16.4	2.3
			402	17.0	2.1
Scratcher--Personal			403	13.1	1.7
Section Man--Personal			321	12.1	2.2
Oilers--Personal			324	3.3	0.7
Sequential	328	0.3			
	329	0.2	334	10.6	2.5
	330	0.3	335	12.2	1.4
	331	0.2	336	15.7	3.1
	332	1.5	337	16.4	1.1
	333	0.3	338	7.3	0.0
			339	1.6	0.0
Spinning					
Spinner--EZ	021	1.9	022	41.1	7.6

Johns-Manville, Manville, New Jersey

Operation

Impinger

Membrane Filter

Sample # mpcf

Sample # Total ^{Fibers/cg} 10 μ +

Spinning (Continued)

Spirmer--EZ

(Continued)

023	1.7	024	24.3	9.7
025	2.8	026	35.1	9.6
031	3.7	032	53.8	12.9
362	2.5	363	36.4	6.4
364	4.1	365	16.4	4.5
367	2.0	368	15.9	1.7

Personal

405	19.0	5.0
406	14.7	3.1
407	24.9	5.5
408	17.0	3.2
409	15.5	2.9
411	18.9	3.8
412	22.4	4.9
413	12.1	3.8
414	22.9	5.2
415	20.9	6.2
416	22.7	5.3
417	18.5	6.7
419	20.4	6.1
423	26.3	7.8
424	16.8	5.0

Wick Machine Operator--EZ

358	1.3	359	23.2	7.7
360	1.6	361	35.4	7.7

Yarn Hauler--Personal

410	14.2	3.8
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Johns-Manville, Manville, New Jersey

Operation	Twister		Membrane Filter		
	Sample #	mppcf	Sample #	Total Fibers/cc	10 μ +
Twisting					
Twister Gen.--EZ	046	3.6	047	42.4	16.9
	048	3.1	049	52.1	22.0
	050	2.9	051	53.8	21.5
	052	5.2	053	62.4	21.3
	054	4.6	055	27.2	5.8
	068	6.4	069	49.1	22.4
	135	2.8	136	52.7	11.1
	141	6.2	142	52.6	12.3
			146	28.8	11.5
	147	10.6	148	25.0	4.5
	149	3.7	150	49.0	12.0
	151	6.6	152	40.6	6.4
Personal			225	18.8	2.9
			226	9.8	4.0
			418	19.3	7.0
			420	33.5	13.9
			422	16.5	6.4
			425	6.2	2.2
			426	35.3	16.4
			427	0.0	0.0
			428	7.6	1.6
			429	11.3	1.0
			434	18.9	5.7
			443	12.6	3.3
Uni. Winder--EZ	056	2.0	057	29.1	9.1
	062	7.0	063	23.6	4.5
	143	3.0	144	28.8	11.5
	157	4.2	158	31.6	8.2
	377	1.2	378	19.5	4.8

Johns-Manville, Manville, New Jersey

Operation	Employee		Membrane Filter	
	Sample #	Appet	Sample #	Fibers/cc Total 10 µ +
Twisting (Continued)				
Uni. Winder (Cont.)				
Personal.			437	12.4
			441	13.6
				4.2
				2.1
Roving Hauler—Personal			432	7.3
			433	13.1
				2.0
				2.9
Fixer—Personal			430	14.2
			449	15.5
				5.1
				5.1
Sweeper—Personal			439	13.7
				2.8
Calendar Op.—Personal			435	2.5
				0.5
Weaving				
Tape Weaver—B2	078	1.8		
	081	1.4		
	086	0.9	085	28.1
	188	5.8	087	9.4
	233	1.1	189	8.9
	235	0.4		3.1
	237	0.8	236	13.9
	239	0.5	238	16.4
	398	1.2	240	6.3
	703	1.5	397	33.6
			704	28.3
				6.3
				4.6
				0.9
				12.8
				9.0

Johns-Manville, Manville, New Jersey

Operation	Impinger		Membrane Filter		
	Sample #	appcf	Sample #	Total	10 μ +
Weaving (Continued)					
Tape Weaver--BZ (Continued)	705	0.8	706	22.4	8.0
	707	0.4	708	17.3	7.2
	711	1.1	712	11.6	4.6
	732	2.7	733	11.6	3.8
	734	0.5	735	4.3	1.4
	736	0.5	737	4.5	1.4
Personal			161	4.9	1.4
			162	3.4	1.3
			163	10.7	4.1
			165	4.0	2.0
			166	1.4	0.4
			169	4.0	1.0
			170	7.9	3.4
			171	8.9	3.0
			173	13.0	3.7
			174	11.3	5.4
			175	9.9	1.7
			176	23.1	10.2
			177	23.1	10.2
			394	13.5	6.0
			395	14.6	6.3
			396	12.6	3.0
			457	12.2	2.9
			459	28.9	12.8
			460	11.3	5.3
			465	7.5	2.4
			468	0.2	0.2
			471	27.4	15.5
			476	0.7	0.5

Johns-Manville, Manville, New Jersey

Operation	Impinger		Membrane Filter		
	Sample #	appcf	Sample #	Total 1000/100	10 µ +
Weaving (Continued)					
Warper—EZ	379	4.4	380	23.8	2.4
Personal			431	13.7	3.1
			447	1.0	0.2
Cloth Weaver—EZ	092	0.4	093	4.5	1.5
	709	0.5	710	6.4	4.3
	724	2.1			
	726	1.3	727	8.9	2.7
	728	0.7	729	7.2	2.6
	730	1.0	731	11.6	3.8
Personal			450	8.2	3.4
			453	1.1	0.8
			454	14.1	5.3
			456	1.7	0.5
			458	8.9	3.5
			469	12.0	3.5
			470	3.4	1.6
			471	8.9	4.0
			472	1.2	0.3
Cop Winder—EZ	159	1.0	160	3.6	1.7
	186	4.2			
Personal			461	1.4	0.7
			462	5.5	2.2
			463	10.4	4.1
			473	3.1	1.8
Quill Winder—Personal			466	4.3	1.7
			475	0.9	0.6

Johns-Manville, Manville, New Jersey

Operation	Twister		Membrane Filter		
	Sample #	mppcf	Sample #	Total Fibers/cc 10 μ *	
Weaving (Continued)					
Calender Op.--Personal			164	6.6	2.2
			172	12.2	4.1
			178	8.9	4.4
Loom Fixer--EZ	180	2.1	181	2.6	0.5
Personal			451	5.4	1.7
			455	7.9	1.7
Janitor--Personal			179	14.0	5.4
Yarn Hauler--Personal			464	4.8	2.0
Machine Cleaner--EZ	167	0.4	168	0.9	0.2
Personal			477	0	0.0
Fiber Preparation					
Supply & Feed--EZ	201	2.7	200	7.9	2.6
	206	0.6	207	0	0
Personal			312	14.0	4.4
			313	12.8	4.3
Take Off Blended Fibre--EZ	204	1.7	205	0	0
Personal			316	13.9	3.4
Blending Op.--EZ	202	5.2	203	0	0
Section Man--Personal			306	7.9	1.3

Johns-Harville, Monville, New Jersey

Operation	Impinger		Membrane Filter		
	Sample #	mppcf	Sample #	Total	10 μ +
Fiber Prep. (Continued)					
Sweeper--Personal			315	7.6	2.7
Willow Fly--BE			308	0.2	1.6
Lap Picker--Personal			307	9.2	2.3
Sequential	106	1.3			
	107	1.8	100	4.8	1.7
			101	7.6	1.6
	110	0.6			
			104	7.6	1.6
			105	7.6	1.6