INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department MAINTENANCE Bldg. 281 Date 11-14-72 Time 1030 AM

Sampled By: PERRY Analyzed By: PERRY Method: 38C-29X4-R1

General Conditions: R.L. EVANS CUTTING RAYBESTOS-MANHATTAN 680 INTO GASKETS OF VARIOUS SIZES. COOL DAY - ALL DOORS AND WINDOWS CLOSED - VERY LITTLE AIR MOVEMENT VISIBLE PARTICLES SETTLED QUICKLY.

FIBER COUNT (Fibers > 5μ in Length)

Slide 1				Slide 2			
1	1	11	0	1	3	11	2
2	0	12	2	2	0	12	0
3	0	13	0	3	1	13	1
4	0	14	1	4	0	14	0
5	1	15	0	5	0	15	0
6	0	16	0	6	1	16	1
7	2	17	1	7	0	17	0
8	0	18	0	8	0	18	1
9	1	19	1	9	0	19	0
10	0	20	0	10	1	20	1
Total	1.0	Avg.	0.5	Total	12	Avg.	0.60

CALCULATIONS

SAMPLE VOLUME: 24 Min. @ 1.8 LPM = 43.2 LITERS

$$\frac{(\text{Avg.Fiber Count}-\text{Avg.Blank Count})(\text{Total Filter Area})}{(\text{Counting Area})(\text{Vol.Air-Liters})(1000)} = \text{Concentration, Fibers per Milliliter} > 5\mu$$

1. $\frac{(0.5 - 0)(855)}{(0.007775)(43.2)(1000)} = 1.36$ Fibers per Milliliter > 5μ

avg. - 1.5

2. $\frac{(0.6 - 0)(855)}{(0.007775)(43.2)(1000)} = 1.64$ Fibers per Milliliter > 5μ

Special Conditions:

Remarks:

PLAINTIFF'S EXHIBIT UC-1102

UCTC 09126

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INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department MAINTENANCE Bldg. 281 Date 11-14-72 Time 1:07 PM

Sampled By: PERRY Analyzed By: PERRY Method: 38C-2984-R1

General Conditions: R.L. EVANS - GASKET CUTTING

FIBER COUNT (Fibers > 5μ in Length)

Slide 1				Slide 2			
1	0	11	0	1	1	11	0
2	1	12	1	2	0	12	1
3	0	13	0	3	0	13	0
4	0	14	3	4	0	14	0
5	0	15	0	5	0	15	1
6	0	16	0	6	1	16	0
7	1	17	0	7	0	17	0
8	0	18	1	8	0	18	1
9	0	19	0	9	1	19	0
10	0	20	0	10	0	20	0
Total	1	Avg.	0.35	Total	6	Avg.	0.30

CALCULATIONS

SAMPLE VOLUME: 17 Min. @ 1.8 LPM = 30.6 LITERS

$$\frac{(\text{Avg.Fiber Count}-\text{Avg.Blank Count})(\text{Total Filter Area})}{(\text{Counting Area})(\text{Vol.Air-Liters})(1000)} = \text{Concentration, Fibers per Milliliter} > 5\mu$$

1. $\frac{(0.35 - 0)(855)}{(0.007225)(30.6)(1000)} = 1.35$ Fibers per Milliliter > 5μ

avg. 1.25

2. $\frac{(0.30 - 0)(855)}{(0.007225)(30.6)(1000)} = 1.16$ Fibers per Milliliter > 5μ

Special Conditions:

Remarks:

UCTC 09127

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INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department MAINTENANCE Bldg. 261 Date 11-14-72 Time 1330 PM

Sampled By: PERRY Analyzed By: PERRY Method: JEC-2974-R1

General Conditions: R.L. EVANS - GASKET CUTTING

FIBER COUNT (Fibers > 5μ in Length)

Slide 1				Slide 2			
1	1	11	0	1	0	11	1
2	0	12	1	2	1	12	1
3	1	13	0	3	0	13	1
4	0	14	0	4	2	14	0
5	3	15	2	5	0	15	4
6	0	16	2	6	2	16	0
7	0	17	0	7	0	17	0
8	3	18	2	8	1	18	0
9	0	19	1	9	0	19	0
10	1	20	1	10	1	20	0
Total	18	Avg.	0.60	Total	14	Avg.	0.70

CALCULATIONS

SAMPLE VOLUME: 26 Min. @ 1.8 LPM = 46.8 LITERS

$$\frac{\text{(Avg.Fiber Count-Avg.Blank Count)(Total Filter Area)}}{\text{(Counting Area)(Vol.Air-Liters)(1000)}} = \text{Concentration, Fibers per Milliliter} > 5\mu$$

1. $\frac{(0.60 - 0)(855)}{(.007225)(46.8)(1000)} = 1.52$ Fibers per Milliliter > 5μ

avg 1.65

2. $\frac{(0.70 - 0)(855)}{(.007225)(46.8)(1000)} = 1.77$ Fibers per Milliliter > 5μ

Special Conditions:

Remarks:

UCTC 09128

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INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department MAINTENANCE Bldg. 281 Date 11-14-72 Time 2:00 PM

Sampled By: PERRY Analyzed By: PERRY Method: 38C-29X4-R1

General Conditions: Oscar Gatton
Cleaning up golf trimmings and sweeping the floor in 281 using floor sweep and wet push broom. Lots of visible dust.

FIBER COUNT (Fibers > 5μ in Length)

	Slide 1			Slide 2	
1	1	11	0	1	11	2
2	0	12	1	2	0	12	0
3	1	13	1	3	0	13	0
4	1	14	1	4	2	14	1
5	0	15	0	5	0	15	0
6	0	16	2	6	1	16	1
7	1	17	0	7	0	17	0
8	1	18	4	8	0	18	1
9	0	19	2	9	1	19	2
10	1	20	0	10	1	20	1
Total	17	Avg.	0.85	Total	14	Avg.	0.70

CALCULATIONS

SAMPLE VOLUME: 9 Min. @ 1.8 LPM = 16.2 LITERS

$$\frac{\text{(Avg.Fiber Count-Avg.Blank Count)(Total Filter Area)}}{\text{(Counting Area)(Vol.Air-Liters)(1000)}} = \text{Concentration, Fibers per Milliliter} > 5\mu$$

1. $\frac{(0.85 - 0)(855)}{(0.007225)(16.2)(1000)} = 6.21$ Fibers per Milliliter > 5μ

avg 5.66

2. $\frac{(0.70 - 0)(855)}{(0.007225)(16.2)(1000)} = 5.11$ Fibers per Milliliter > 5μ

Special Conditions:

Remarks:

UCTC 09129

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