PLAINTIFF'S EXHIBIT

UC-2156

4/24/68

Asbestos Air Samples

Employee	Activity	<10μ MPPCF	10-50μ MPPCF	
	Cutting (Sawing)	13.6	0.77	
	Fitting	4.0	0.12	
	Fitting	18.8	4.9	Reaching Around Pipe (Chugging)
	Cutting	15.8	0.6	
Atmospheric (Environs)		0.63	0.02	Above workers as they worked up the pipe.

TLV - 5.0 MPPCF

UCC 006856

Asbestos 4/24/68

	Time	Lpm	Person	Activity	Sample/liquid vol (ml/s)	a.c. Vol. (L.)	Air ft³
1	21 min (on-off)	1.7		Cutting	9.5	35.7	1.26
2	22 min.	1.7		Fitting	9.5	37.4	1.32
3	20 min.	1.7		Fitting	9.1	34.0	1.20
4	20 min (cont.)	1.7		Cutting	9.5	34.0	1.20
Greenburg-Smith 9:25 AM → 3:25 PM		5	located approx. mid point of (9') orb. being incubated, 18' from orb.		142	1675	59.1

Samples Taken on 4-24-68, at east end of Bldg. 770

The samples taken on 4-23-68 were not used. Large particles appeared in the Personal samples. The greenburg-smith sample was mistakenly run with inlets sealed off during most of the run.

Top on enclosed area - No apparent draft upward.

UCC 006857

Asbestos

4/24/68

Sample No.	TOTAL COUNTS	Avg Ct. (Blank Corrected) <10μ Net	10μ-50μ Net	dil.	Corrected ct. <10μ	Corrected ct. 10-50μ
1	154-10 =	144	7.2	8.5/30	509	25.4
2	150-10 =	140	4	—	140	4
3	72-10 =	62	1.6	1/100	620	160
4	152-10 =	142	5.5	8.5/30	500	19.4
G.S.	76-10 =	66	2.2	—	66	2.2
Blank		10	0			

UCC 006858

Asbestos

4/24/68

	< 10μ	MPPCF	10 - 50μ	MPPCF
1	$\frac{509 \times 4 \times 10^3 \times 9.5}{1.26 \times 1 \times 10^6} = 13.6$		$\frac{25.4 \times 4 \times 10^3 \times 9.5}{1.26 \times 1 \times 10^6} = 0.77$	
2	$\frac{140 \times 4 \times 10^3 \times 9.5}{1.32 \times 1 \times 10^6} = 4.0$		$\frac{4 \times \text{---}}{\text{---}} = 0.12$	
3	$\frac{620 \times 4 \times 10^3 \times 9.1}{1.20 \times 1 \times 10^6} = 18.8$		$\frac{160 \times \text{---}}{\text{---}} = 4.9$	
4	$\frac{500 \times 4 \times 10^3 \times 9.1}{1.20 \times 1 \times 10^6} = 15.8$		$\frac{19.4 \times \text{---}}{\text{---}} = 0.6$	
G.S.	$\frac{66 \times 4 \times 10^3 \times 142}{59.1 \times 1 \times 10^6} = .63$ ~~4.4~~		$\frac{2.2 \times \text{---}}{\text{---}} = .02$ ~~0.2~~	

Union Carbide trial exhibit UC-2156: Handwritten Asbestos Air Sample Results and Calculations from Pipe Cutting… Published by AsbestosClaims.Law
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