PLAINTIFF'S EXHIBIT

UC-2494

INDUSTRIAL HYGIENE SAMPLING

Date 8/2/72 Location - Bldg. 770 Room Utility

CONTAMINANT Asbestos (Kaylo) Collected By Midkiff

IDENTIFICATION

#1 2 lpm 15 min (cutting)

#2 2 lpm 15 min. ("fitting")

#3 2 lpm 15 min. (cutting)

#4 2 lpm 15 min. (fitting)

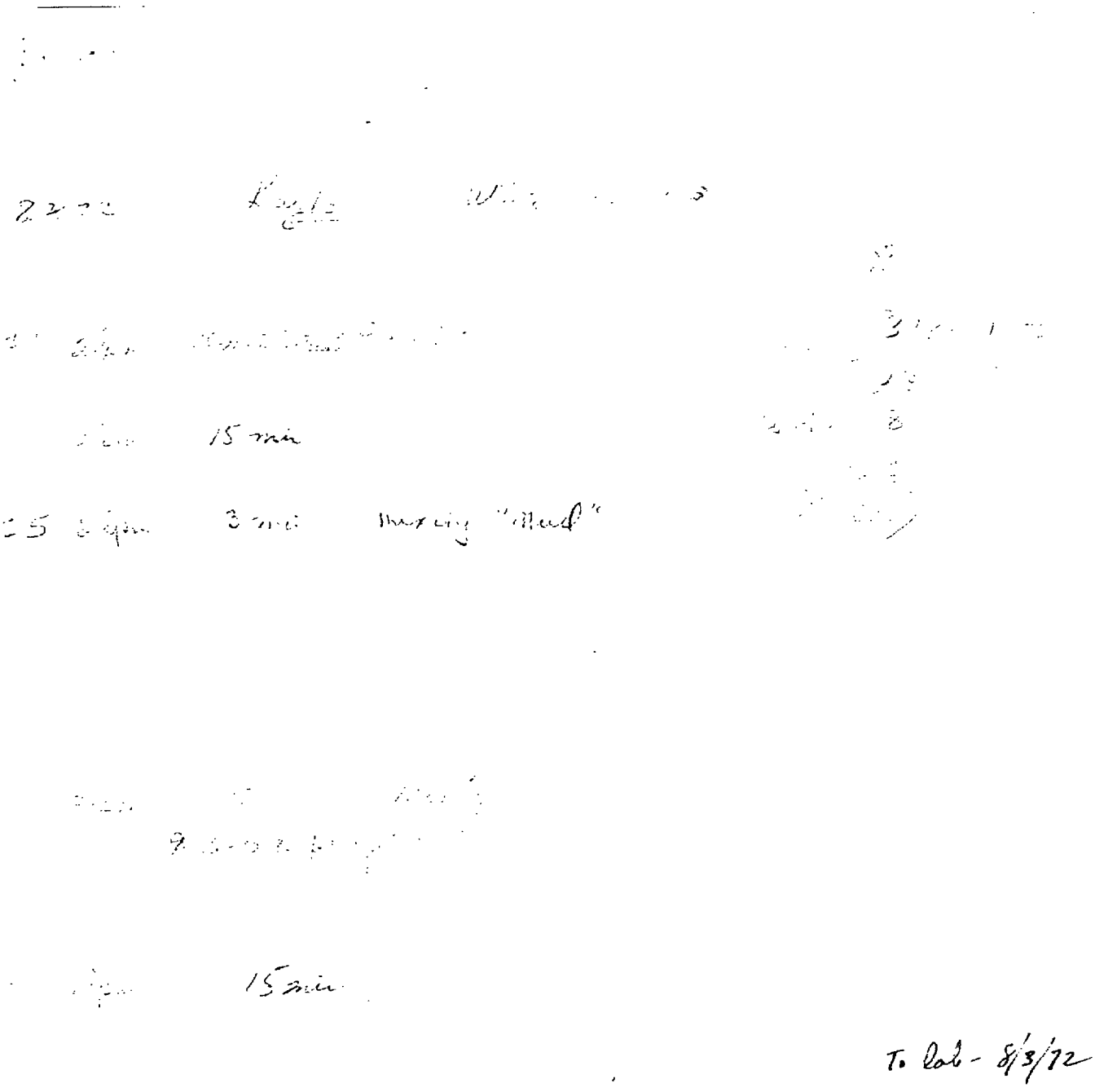
#5 2 lpm 3 min. (mixing "Mud")

DATA RECORDED IN 9-JGW-100

Sampling Equipment Used - Personal Sampling Eq. -

Operation being monitored Installing asbestos containing insulation

UCC 024307



UCC 024306

INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department LOC, ST Bldg. [illegible] Date 5/2/72 Time _____

Sampled By: MIKLIF Analyzed By: C.E. Method: 38C-2-X4-R1

General Conditions: CUTTING, FITTING, AND INSTALLING ASBESTOS CONTAINING INSULATION (KAYLO)

#1

FIBER COUNT (Fibers > 5μ in Length)

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

CALCULATIONS

SAMPLE VOLUME: 15 Min. @ 2 LPM = 30 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. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ 2 Fibers per Milliliter > 5μ

2. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ .2 Fibers per Milliliter > 5μ

Special Conditions: _____

9-JEN-100

Remarks: _____

UCC 024308

INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department _____ Bldg. _____ Date 1/2/72 Time _____

Sampled By: [illegible] Analyzed By: _____ Method: [illegible]

General Conditions: [illegible]

FIBER COUNT (Fibers > 5μ in Length)

Slide 1

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

Slide 2

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

CALCULATIONS

SAMPLE VOLUME: 15 Min. @ 2 LPM = 23 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. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ [illegible] Fibers per Milliliter > 5μ

2. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ [illegible] Fibers per Milliliter > 5μ

Special Conditions: _____

9 - TEN - 100

Remarks: _____

UCC 024309

INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department 6 Bldg. _____ Date 3/2/72 Time _____

Sampled By: M Analyzed By: _____ Method: _____

General Conditions: _____

FIBER COUNT (Fibers > 5μ in Length)

Slide 1				Slide 2			
1		11		1		11	
2	0	12	2	2		12	1
3		13		3		13	
4		14		4		14	
5		15		5		15	
6		16		6		16	
7		17		7		17	
8		18		8		18	
9	1	19		9		19	
10		20		10		20	
Total	1	Avg.		Total		Avg.	.555

CALCULATIONS

SAMPLE VOLUME: _____ Min. @ 2 LPM = _____ 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. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ Fibers per Milliliter > 5μ

2. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ Fibers per Milliliter > 5μ

Special Conditions: _____

Q - JEN - 100

Remarks: _____

UCC 024310

INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department _____ Bldg. _____ Date _____ Time _____

Sampled By: _____ Analyzed By: _____ Method: _____

General Conditions: _____

FIBER COUNT (Fibers > 5μ in Length)

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

CALCULATIONS

SAMPLE VOLUME: _____ Min. @ _____ LPM = _____ 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. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ Fibers per Milliliter > 5μ

2. $\frac{(\quad - \quad)(\quad)}{(\quad)(\quad)(1000)} =$ Fibers per Milliliter > 5μ

Special Conditions: _____

97 4 - TEN - 100

Remarks: _____

UCC 024311

INDUSTRIAL HYGIENE DEPARTMENT
ASBESTOS DUST STUDY

Department _____ Bldg. _____ Date _____ Time _____

Sampled By: _____ Analyzed By: _____ Method: _____

General Conditions: _____

FIBER COUNT (Fibers > 5μ in Length)

Slide 1				Slide 2			
1	1	11		1	1	11	1
2	2	12		2	2	12	0
3		13		3	1	13	1
4	1	14		4		14	0
5		15		5		15	
6		16		6	1	16	0
7	1	17		7	0	17	1
8		18		8	1	18	1
9	1	19	1	9	0	19	0
10		20		10		20	
Total	5	Avg.	.5	Total	11	Avg.	.565

CALCULATIONS

SAMPLE VOLUME: 3 Min. @ 2 LPM = 6 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. $\frac{(.5 - \quad)(855)}{(\quad)(6)(1000)} = 0.9$ Fibers per Milliliter > 5μ

2. $\frac{(\quad - \quad)(\quad)}{(\quad)(6)(1000)} = 0.9$ Fibers per Milliliter > 5μ

Special Conditions: _____

9 - 56M -100

Remarks: _____

UCC 024312