PLAINTIFF'S EXHIBIT
tabbies
UC-1112

INDUSTRIAL HYGIENE DEPARTMENT

ASBESTOS DUST STUDY

PLANT: 510

Department SCRAP POLY RECOVERY Bldg. LONG MOTT GIN Date 11-22-74 Time 10:52 AM

Sampled By: L.G. McMULLEN Analyzed By: L.G. McMULLEN Method: 38C - 29K4 - R1a

General Conditions: THE SAMPLE WAS COLLECTED INSIDE THE LONG MOTT GIN ON GROUND LEVEL NEAR THE DRYING BIN. VISIBLE DUST WAS HEAVY. A STRONG SOUTH WIND WAS BLOWING THRU THE BLDG. DOORS WERE OPEN ON THE SOUTH AND EAST SIDES. HOPPER VAN NO. 15200 WAS BEING DRIED.

FIBER COUNT (Fibers > 5μ in Length) SAMPLE NO. 00234

	Slide 1		Slide 2	
1	12	11 2 2 2 1	10 5	11 2
2	40	12 4 1 1 2	44	12 1
3	23	13 1 4 3	87	13 1
4	14	14 4 3 3	55	14 3
5	02	15 1 2 2	27	15
6	20	16 2 2 4	75	16
7	03	17 0 0 1	22	17
8	12	18 1 1 2	32	18
9	12	19 5 3 3	71	19
10	23	20 0 2 1	35	20
Total	100	Avg. 1.92	Total 102	Avg. 4.25

CALCULATIONS

SAMPLE VOLUME: 30 Min. @ 2 LPM = 60 LITERS

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

1. $\frac{(1.92 - 0)(855)}{(0.00731)(60)(1000)} = 3.74$ Fibers/ cc > 5μ

AVG. = 6.02

2. $\frac{(4.25 - 0)(855)}{(0.00731)(60)(1000)} = 8.29$ Fibers / cc > 5μ

Special Conditions: DATA INDICATES THAT DURING THE SAMPLING PERIOD, THIS OPERATION EXCEEDS THE 5 FIBERS/CC >5μ IN LENGTH T.L.V. FOR ASBESTOS.

ASH CONTENT IN HOPPER VAN 15200 = 1.185 %

Remarks: HOP. VAN 15200 WAS THE LAST HOP. VAN DRIED BY THE LONG MOTT GIN.

SPECIAL PRECAUTIONS SHOULD BE TAKEN TO INSURE THAT WE DON'T HAVE EXPOSURES TO ASBESTOS FROM DUST OR FINES THAT MAY BE GENERATED WHILE HANDLING HOP. VAN 15200.

UCTC 09171

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DRINK--DRIVE--DISASTER

Union Carbide trial exhibit UC-1112: L. G. McMullen Asbestos Dust Study at the Long Mott Gin, Scrap Poly Recove… Published by AsbestosClaims.Law
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