

C12



ASBESTOS FIBER COUNT ANALYSIS

for

DOW CHEMICAL COMPANY
Post Office Box 150
Plaquemine, Louisiana 70764

ATTENTION: Mr. Terry Campbell

February 14, 1986

DO 082048
CONFIDENTIAL

all C12 data



7979 GSRI AVE. • BATON ROUGE, LA 70820

DOW CHEMICAL COMPANY
Plaquemine, Louisiana

February 14, 1986

Fourteen (14) filter cassette samples were received from Dow Chemical Company for asbestos fiber count analysis on February 12, 1986. Fibers larger than 5 microns in length were counted by means of phase-contrast microscope at a magnification of 400X. The procedure recommended by NIOSH Method 7400A was followed.

<u>Sample ID.</u>	<u>Fibers</u> <u>(>5um)</u> <u>Observed</u>	<u>No. of</u> <u>Fields</u> <u>Observed</u>	<u>Fibers</u> <u>per</u> <u>Filter</u>	<u>Volume</u> <u>of</u> <u>Air (L)</u>	<u>Fibers</u> <u>(>5um)</u> <u>per c.c.</u> <u>of Air</u>
05712	11 - 1 = 10	100	4,905	<u>200</u>	<u>0.03</u>
05711	6 - 1 = 5	100	2,452	<u>200</u>	<u>0.01</u>
05713	4 - 1 = 3	100	1,471	<u>90</u>	<u>0.02</u>
05714	3 - 1 = 2	100	981	<u>90</u>	<u><0.01</u>
05719	4 - 1 = 3	100	1,471	<u>60</u>	<u>0.03</u>
05720	7 - 1 = 6	100	2,943	<u>160</u>	<u>0.02</u>
05722	2 - 1 = 1	100	490	<u>180</u>	<u><0.01</u>
05723	4 - 1 = 3	100	1,471	<u>210</u>	<u><0.01</u>
05724	7 - 1 = 6	100	2,943	<u>60</u>	<u>0.05</u>
07002	10 - 1 = 9	100	4,414	<u>90</u> 150.000	<u>0.05</u> , 03
07034 1	1 - 1 = 0	100	<490	<u>144</u> 158.966	<u><0.01</u>

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<u>Sample ID.</u>	<u>Fibers</u> <u>(>5um)</u> <u>Observed</u>	<u>No. of</u> <u>Fields</u> <u>Observed</u>	<u>Fibers</u> <u>per</u> <u>Filter</u>	<u>Volume</u> <u>of</u> <u>Air (L)</u>	<u>Fibers</u> <u>(>5um)</u> <u>per c.c.</u> <u>of Air</u>
07035 1	9 - 1 = 8	100	3,924	<u>164.349</u>	<u>0.02</u>
07036	9 - 1 = 8	100	3,924	<u>168.671</u>	<u>0.02</u>
Blank	1	100	490	-----	-----

1 NOTE: This filter contained large amounts of dust which may have obscured some finer fibers.

Philip W. West
Philip W. West, Ph.D.
Laboratory Director

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