



7979 GSRI AVE • BATON ROUGE, LA 70820

ASBESTOS FIBER COUNT ANALYSIS

for

DOW CHEMICAL COMPANY
Post Office Box 150
Plaquemine, Louisiana 70764

ATTENTION: Jackie Paul

November 10, 1988

DO A 116561
CONFIDENTIAL

lab

88-7593



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DOW CHEMICAL COMPANY
Plaquemine, Louisiana

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Ten (10) filter cassette samples were received on November 8, 1988, from Dow Chemical Company for asbestos fiber count. Fibers larger than 5 microns in length were counted by means of phase-contrast microscopy at a magnification of 400X. The procedure recommended by NIOSH Method 7400A was followed.

Pertinent information regarding fiber counts is as follows:

Field Area: 0.00785 mm² (Walton Beckett Graticule)

Effective Collecting Area:

385 mm² (25mm Cassette)

855 mm² (37mm Cassette)

Limit of Quantitation: 10 fibers/100 fields

Limit of Detection: > Average Blank Count

* Detection limits are based upon a minimal concentration of 7 fibers/mm².

<u>Sample ID.</u>	<u>Fibers (>5um) Observed</u>	<u>No. of Fields Observed</u>	<u>Fibers per Filter</u>	<u>Volume of Air (L)</u>	<u>Fibers (>5um) per c.c. of Air</u>
08409	13	100	5,640	-----	-----
(#1) 08410	-----	-----	-----	-----	-----
08411	2	100	<490	-----	-----
08412	2	100	<490	-----	-----
08413	4	100	1,226	-----	-----
09020	54	100	24,749	-----	-----
09023	15	100	6,621	-----	-----
09024	6	100	2,207	-----	-----
09225	20	100	9,073	-----	-----

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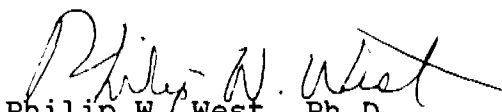
November 10, 1988

<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>
Blank	3	100	-----	BLANK	-----
Blank	0	100	-----	BLANK	-----

*Less than the limit of quantitation.

(#1) Unable to analyze due to high amount of particulate matter.

Blank corrections made at fibers per filter calculations.


Philip W. West, Ph.D.
Laboratory Director

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