UC 149-2

UNION CARBIDE INTERNAL CORRESPONDENCE

METALS DIVISION • P. O. BOX 579 · 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14

To (Name) Mr. B. L. Ingalls
Division UCC - Metals
Location Niagara Falls, NY

Date February 8, 1980

Originating Dept. "Calidria" Asbestos

Answering letter date

Copy to Mr. R. E. Byrne, Jr.
Mr. E. J. Kleber

Subject Plenum Chamber Tests
Report No. 2332-22

Enclosed are the results of a series of controlled environmental tests between LTX-144 and Megaloid Detox H-1 asbestos products to determine airborne fiber emissions.

Both products were agitated on a derrick pan vibrator to simulate handling of the material. Monitoring of the atmosphere within the chamber was a constant 15 minutes for each. One control was run prior to the comparison.

Megaloid Detox H-1 is a gray pelletized material approximately 1/16 of an inch in average diameter. The asbestos is designated JM 7RF9. LTX-144 is a premix of RG-144 in diisodecyl phlalate (DIDP).

Airborne fiber concentrations were determined by the membrane filter method using phase contrast light microscopy.

Fred L. Smith

/rmm
Enc.

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PLAINTIFF'S EXHIBIT

UC-4866

REPORT NO. 2332-22

AIRBORNE ASBESTOS COUNTS

for

Plenum Chamber Comparison Data
Union Carbide Corporation
Niagara Falls, New York

Date Sampled:	February 1, 1980
Date Reported:	February 8, 1980

Samples Collected By:	F. L. Smith Union Carbide Corporation
Samples Analyzed By:	F. L. Smith Union Carbide Corporation
Reported By:	F. L. Smith Union Carbide Corporation

Union Carbide Corporation
Metals Division
Niagara Falls, New York

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SUMMARY OF FIBER COUNTS

Report No. 2332-22

Plenum Chamber Tests

UCC - Niagara Falls, New York

Sample No.	Air Sample Time	Minutes	Operation Description	Airborne Fiber Count (fibers/cc >5μ) Chrysotile Asbestos	Possible Amphibol Asbestos
A-12	On: 10:00a Off: 10:15a	15	Control	0.115	0.0
A-16	On: 10:00a Off: 10:15	15	Control	0.046	0.0
A-7	On: 10:20a Off: 10:35a	15	Megaloid Detox H-1 (JM 7RF-9) Test No. 1	0.437	0.046
A-8	On: 10:20a Off: 10:35a	15	Megaloid Detox H-1 (JM 7RF-9) Test No. 1	0.230	0.0
A-5	On: 10:55a Off: 11:10a	15	Megaloid Detox H-1 (JM 7RF-9) Test No. 2	0.253	0.0
A-19	Un: 10:55a Off: 11:10a	15	Megaloid Detox H-1 (JM 7RF-9) Test No. 2	0.253	0.0
A-10	On: 1:15p Off: 1:30p	15	LTX-144 (3-1/2 min. mix)	0.069	0.0
A-25	On: 1:15p Off: 1:30p	15	LTX-144 (3-1/2 min. mix)	0.161	0.0

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REPORT NO. 2332-22

AIRBORNE ASBESTOS COUNTS

for

Plenum Chamber Comparison Data
Union Carbide Corporation
Niagara Falls, New York

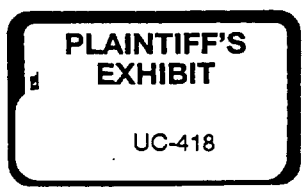
Date Sampled: February 1, 1980
Date Reported: February 8, 1980

Samples Collected By: F. L. Smith
Union Carbide Corporation

Samples Analyzed By: F. L. Smith
Union Carbide Corporation

Reported By: F. L. Smith
Union Carbide Corporation

Union Carbide Corporation
Metals Division
Niagara Falls, New York



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SUMMARY OF FIBER COUNTS

Report No. 2332-22

Plenum Chamber Tests

UCC - Niagara Falls, New York

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