NF-File

UNION CARBIDE ASBESTOS

THE DISCOVERY COMPANY

UNION CARBIDE CORPORATION • MINING & METALS DIVISION • P.O. BOX 579 • NIAGARA FALLS, N.Y. 14302 • TEL: 716-285-3311

PLAINTIFF'S EXHIBIT UC-611

November 7, 1972

Mr. D. G. Callahan
H. B. Fuller Company
Pallatine, Illinois

Dear Mr. Callahan:

Enclosed is a report of our dust sampling at your facility. I think you will find the report self-explanatory, however, should you have any questions please do not hesitate to call me.

Please note that 1929-22-6 is extremly high. We believe that another fibrous material is present and has contaminated the sample. In a few weeks I will be in your area again and I would like to call you about this and possibly set-up another test for the dumping of asbestos.

I have also enclosed, in duplicate, a letter requesting your permission to use the information obtained by these dust counts. We would appreciate your approval with a signature by proper authority.

Very truly yours,

E. J. Kleber
Customer Service Representative

/cvb
Enclosures

AIRBORNE DUST COUNTS

for

H. B. Fuller Company
Pallatine, Illinois

November 7, 1972

Present: E. J. Kleber
Customer Service Representative
Union Carbide Corporation

D. Callahan
Plant Manager
H. B. Fuller Company

UNION CARBIDE CORPORATION
Mining and Metals Division
Niagara Falls, New York

The results of microscope counts for air samples collected at H. B. Fuller Company, Pallatine, Illinois, September 13, 1972 are attached.

Apparatus & Procedure

Sampling and dust counting were carried out in accordance with OSHA Regulation 1910.93a.

Unico Personal Air Samplers, calibrated to 2 liters per minute, were used to collect personal breathing zone and environmental samples on Millipore membrane filters of 0.8 micron porosity.

Fiber counting was performed on a Leitz microscope utilizing phase contrast illumination at 400X and a Patterson Globe and Circle reticle.

Total dust was determined by light field microscopy at 100X.

Test Results

Two figures have been reported for each sample. They are:

1) Total Fiber - Any material 5 microns or longer having an aspect ratio of 3 or greater. Reported as fibers per milliliter.

2) Total Dust - Any fiber or particle present. Reported as million particles per cubic foot.

Enclosed for reference is a copy of the OSHA Standard for exposure to asbestos dust, which includes silica and inert dust limits.

SUMMARY OF DUST COUNTS

N.B. No.	Description		Fiber Count Fibers/ml > 5μ	Total Dust mmpcf
1929-22-1	Personal (8 min.)	Operator feeding resin chunks to granulator (Product SC-995).	0.52	1.00
1929-22-2	Personal (9 min.)	Operator's assistant in above operation. Hands bag to operator & disposes of bags (Product (SC-995).	0.45	0.51
1929-22-3	Personal (4 min.)	Mixing area 2nd deck. Dumping material from above operation into Chemineer Mixer S-5 (Product SC-995).	1.14	0.70
1929-22-4	Personal (3 min.)	Same as above into S-8 tank (Product SC-3600).	6.40	2.77
1929-22-5	Personal (14 min.)	Dumping 2200 pounds clay into S-8 tank (Product SC-3600).	2.00	3.81
1929-22-6	Personal (4 min.)	Dumping 4-100 pound bags Canadian Asbestos into ribbon blender (Product SC-3600).	42.50	21.06
1929-22-7	Environmental (9 min.)	On wall between the two mixers monitoring mix room air. Very little activity.	2.22	3.63
1929-22-8	Environmental (25 min.)	Tec Dry production at sampler desk, 6' above floor.	1.60	2.76
1929-22-9	Personal (6 min.)	Tec Dry area, bagger operator	3.34	20.11
1929-22-10	Environmental (6 min.)	Blender bag house 6' off floor	3.20	6.62
1929-22-11	Environmental (5 min.)	Filter receiver, 5-1/2' off floor	0.80	3.61