OK for '76

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-4123

November 6, 1972

Mr. D. Nahabedian
Product Manager
AVCO Corporation
Lowell Industrial Park
Lowell, Massachusetts 01851

Dear Mr. Nahabedian:

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.

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

cc: Mr. B. L. Ingalls

cc: C. Howland
EJK
NF-File
HBR

X410474

UNION CARBIDE

THE DISCOVERY COMPANY

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

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FALLS, N.Y.

vember 6, 1972

AVCO Corporation
Lowell Industrial Park
Lowell, Massachusetts 01851

Dear Sir:

We would like to have your permission to use the information obtained in the course of the tests conducted at your facility and to furnish it to other parties without identifying your facility as the location at which measurements were taken. The tests shall consist of taking measurements by the membrane filter method of airborne asbestos fiber generated in the course of one or more phases of your manufacturing operations.

If you agree to the foregoing, please so indicate by signing and returning the enclosed copy of this letter. Such action on your part shall constitute authorization to take such measurements at your facility and to use and disclose said information as detailed in this letter.

Very truly yours,

E. J. Kleber
Customer Service Representative

Accepted and Agreed to

this 6th day of

December, 1972.

X410480

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

THE DISCOVERY COMPANY

November 6, 1972

AVCO Corporation
Lowell Industrial Park
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Very truly yours,

E. J. Kleber
Customer Service Representative

Accepted and Agreed to

this ___ day of

_____, 197 :

_____

X410475

AIRBORNE DUST COUNTS

for

AVCO Corporation
Lowell, Massachusetts

October 24, 1972

Personnel: E. J. Kleber
Union Carbide Corporation

B. L. Ingalls
Union Carbide

C. Howland
Allied Resin Corporation

D. Nahabedian
AVCO Corporation

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

X410476

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The results of microscope counts for air samples collected at AVCO Corporation, Lowell, Massachusetts, September 19, 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.

X410477

SUMMARY OF DUST COUNTS

N.B. No.	Description	Fiber Count Fibers/ml > 5 μ	Total Dust mmppcf
1929-24-1	Environmental (35 min.) - 8' from mix area on electrical boxes during dumping of 10 bags. 5-1/2' above floor	0.71	0.5
1929-24-2	Personal (25 min.) - Dumping 10 bags RG-244. Samplers attached to operator.	0.83	0.5
1929-24-3	Environmental (47 min.) - 15' from mixer at passageway. (Heavy traffic area) After dumping of RG-244	0.43	0.3
1929-24-4	Environmental (45 min.) - Same as 1929-24-1 after dumping of RG-244.	0.28	0.13

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DUST COUNT SUMMARY, LARGE POLYESTER COMPOUNDER

THIS OPERATION IS AN ADDITION OF THIXOTROPE TO RESIN, WHICH OCCURS ONCE TO SEVERAL TIMES A DAY. THE AIR WAS MONITORED DURING & AFTER DUMPING OF RC-244.

Dumping Procedure - RC 244 IS ADDED BY TWO MEN. THE BAG IS SET ON A TRAY, WHICH TILTS DOWN TOWARDS THE MIXER. ONE MAN SLITS THE BAG LENGTHWISE & BOTH MEN BEGIN TO HAND FEED RC244 INTO THE MIXER. THIS PROCEDURE IS USED TO FEED FOR LUMPS

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