PLAINTIFF'S EXHIBIT

UC-4119

INTERNAL CORRESPONDENCE

METALS DIVISION • P. O. BOX 579 · 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 143.

To (Name) Mr. E. J. Kleber
Division UCC - Metals
Location Niagara Falls, NY

Date June 21, 1978

Originating Dept. "Calidria" Asbestos

Answering letter date

Copy to Messrs. R. E. Byrne, Jr.
B. L. Ingalls
J. L. Myers
H. B. Rhodes
File

Subject Airborne Asbestos Counts for Michael Walter Industries, Valier, IL

Attached are the results of airborne asbestos samples obtained at Michael Walters Industries on May 29, 1978. Personal samples were collected over a four-hour duration during the use of HPO asbestos in the manufacture of "Stoppit" sealant.

The samples were found to contain from 0.1-1.5 fibers/cc asbestos, well within the OSHA allowable ceiling concentration limit.

Glenda J. Spencer

GJS/rmm
Attachment

X410716

AIRBORNE ASBESTOS COUNTS

For

Michael Walters Industries
Valier, Illinois

Date Sampled:	May 29, 1978
Date Reported:	June 19, 1978

Samples Collected By:	E. J. Kleber Union Carbide Corporation
Samples Analyzed By:	G. J. Spencer Union Carbide Corporation
Reported By:	G. J. Spencer Union Carbide Corporation

Union Carbide Corporation
Metals Division
Niagara Falls, New York

X410717

Published by AsbestosClaims.Law
asbestosclaims.law/library/18725/2

SAMPLE EQUIPMENT AND TEST PROCEDURES

Sampling and dust counting were carried out in accordance with OSHA Regulation 1910.1001, using the Bayer, Zumwalde and Brown method for counting asbestos fibers by phase contrast microscopy (Bureau of Occupational Safety and Health, Feb. 1969).

Battery-powered air pumps (M.S.A. type), 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 Nikon phase contrast microscope at 400X utilizing a Porton reticle for sizing and field definition.

Two results have been reported for each sample - they are:

1. Chrysotile Asbestos - Any fiber having an aspect ratio ≥3 and a length ≥5μ that is in the operator's judgement chrysotile. In the event of doubt and in the absence of further information, any fiber having the above physical dimensions will also be counted as chrysotile.

2. Possible Amphibole Asbestos - Any fiber having an aspect ratio ≥3 and a length ≥5μ that is not obvious to be material other than asbestos. This includes all amphiboles and material similar in appearance.

COMMENTS

The OSHA regulations permit a maximum limit of 2 fibers greater than 5 microns in length per cubic centimeter of air sampled on an 8-hour, time-weighted average (TWA). The formula $\frac{C_1T_1 + C_2T_2 + C_nT_n}{\Sigma T}$ describes the TWA where C = fiber count in fibers/cc and T = time.

The regulations also stipulate a ceiling concentration of 10 fibers/cc greater than 5 microns which is not to be exceeded at any time.

TEST RESULTS

The details of sample collection and resultant fiber counts are listed in the attached table(s).

X410718

Union Carbide trial exhibit UC-4119: Glenda J. Spencer to E. J. Kleber on Airborne Asbestos Counts at Michael Wal... Published by AsbestosClaims.Law
ACL Doc 18725 · Page 3 of 7 asbestosclaims.law/library/18725/3

OBJECTIVE

To monitor airborne asbestos concentrations at the subject company's production facilities during the use of "Calidria" HPO asbestos.

OPERATION DESCRIPTION

Production operation involved the use of 18 bags HPO (720 pounds) in the manufacture of "Stoppit" sealant. Three personal samples were obtained during normal production, two of which included the time period when asbestos was handled. One personal sample was obtained during the drumming of one batch "Stoppit" and during stacking of cans on pallets.

X410719

Union Carbide trial exhibit UC-4119: Glenda J. Spencer to E. J. Kleber on Airborne Asbestos Counts at Michael Wal... Published by AsbestosClaims.Law
ACL Doc 18725 · Page 4 of 7 asbestosclaims.law/library/18725/4

SUMMARY OF FIBER COUNTS

Sample No.	Air Sample Time	Minutes	Operation Description	Airborne Fiber Count (fibers/cc >5μ) Chrysotile Asbestos	Possible Amphibol Asbestos
A-18	On: 7:18A Off: 7:50	32	Personal - (David Hastings) during the addition of 18 bags HPO to mixer, bag disposal and during wash down of tank.	1.5	0
A-3	On: 7:50A Off: 11:25	215	Personal - (David Hastings) during drumming of batch of "Stoppit" and stacking cans on pallets.	0.1	0
S-89	On: 11:25A Off: 11:44	19	Personal - (David Hastings) during the addtion of 18 bags HPO to mixer, and during wash down of tank.	0.9	0

X410720

Union Carbide trial exhibit UC-4119: Glenda J. Spencer to E. J. Kleber on Airborne Asbestos Counts at Michael Wal... Published by AsbestosClaims.Law
ACL Doc 18725 · Page 5 of 7 asbestosclaims.law/library/18725/5

UC 14[illegible]

INTERNAL CORRESPONDENCE

METALS DIVISION •

P. O. BOX 579 • 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14[illegible]

To (Name) Mr. E. J. Kleber
Division UCC - Metals
Location Niagara Falls, NY

Date June 21, 1978
Originating Dept. "Calidria" Asbestos
Answering letter date

Copy to Messrs. R. E. Byrne, Jr.
B. L. Ingalls
J. L. Myers
H. B. Rhodes
File

Subject Airborne Asbestos Counts for Michael Walter Industries, Valier, IL

Attached are the results of airborne asbestos samples obtained at Michael Walters Industries on May 29, 1978. Personal samples were collected over a four-hour duration during the use of HPO asbestos in the manufacture of "Stoppit" sealant.

The samples were found to contain from 0.1-1.5 fibers/cc asbestos, well within the OSHA allowable ceiling concentration limit.

Glenda J. Spencer

GJS/rmm
Attachment

X410721

Published by AsbestosClaims.Law
asbestosclaims.law/library/18725/7