Calidria ASBESTOS
UNION CARBIDE CORPORATION • METALS DIVISION • P. O. BOX 579 • NIAGARA FALLS, N.Y. 14302 • TEL: 716-278-3376

PLAINTIFF'S EXHIBIT
UC-4338

May 6, 1980

Mr. Rocco Sergi
Kentile Floors, Inc.
58 Second Avenue
Brooklyn, NY 11215

Dear Rocco:

Enclosed are the results of our monitorings at Kentile (Brooklyn, NY) on April 29, 1980. Please note that the data are given to the nearest tenth, but the Time Weighted Averages (TWA) are calculated for each operator with fiber/cc values at three significant figures. This will explain any slight difference in calculating a TWA from the report as I have given it to you. I will be sending the report from the Chicago monitorings shortly.

It was a pleasure meeting you and others at Kentile. Your hospitality is appreciated. If you have any questions regarding the report or need any further information, please do not hesitate to call.

Very truly yours,

Fred L. Smith

FLS:dal
Enclosure

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AIRBORNE ASBESTOS COUNTS

for

Kentile Floors, Inc.
Brooklyn, NY

Date Sampled: April 29, 1980
Date Reported: May 6, 1980

Samples Collected By:	F. L. Smith	Union Carbide Corporation
	G. L. Dickson	" " "
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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OBJECTIVE:

To monitor airborne asbestos concentrations at the subject company's production facilities during the use of "Calidria" SG-103 pelletized asbestos. (50# plastic bags)

OPERATOR DESCRIPTION:

SG-103 is used in the production of a vinyl asbestos floor tile along with pigments, resin and scrap material. These dry ingredients are prepared by weighing the materials in portable batch containers which are then dumped into a Banbury mixer. Approximately 40 lbs. of asbestos is used per batch.

Personal samples were obtained from the asbestos scale operator and the scrap scale operator on two production lines. The asbestos scale operator adds the SG-103 to the batch container until the proper weight is reached. The scrap scale operator adds scrap tile to the batch container as it moves to his location. These operations total approximately 2-3 minutes and are done on a continuous basis throughout the work day.

Negative exhaust is provided at both scale locations and all workers on the production lines were observed to be wearing disposable filter masks. One worker is assigned to vacuum spilt material and housekeeping around the lines is good.

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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).

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UNION CARBIDE INTERNAL CORRESPONDENCE

METALS DIVISION

P. O. BOX 579 - 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14302

To (Name) Mr. J. J. Sibley
Division UCC-Law Department
Location 47th Floor
270 Park Avenue
New York, NY 10017

Copy to G. R. Adams
G. L. Dickson w/o Encl.
F. J. Shortsleeve/R. W. Rebholz
File

Date May 22, 1980

Originating Dept. "Calidria" Asbestos

Answering letter date

Subject Kentile Air Monitoring

Enclosed are the results of the air monitoring tests which we conducted at Kentile's Chicago and Brooklyn plants.

These data were collected at your request for possible use in the Sirvello/ GAF case in Houston.

John L. Myers

JLM:dal
Enclosures

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