

UNION
CARBIDE

INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

270 PARK AVENUE, NEW YORK, NEW YORK 10017

To (Name) Mr. John A. Riddle
Division Chemicals & Plastics
Location P. O. Box K
King City, California 93930

Date January 19, 1968

Originating Dept. Medical

Answering letter date

Subject

Copy to

Dear John:

The relation between crocidolite and mesothelioma seems to be pretty strongly established by experience in South Africa and elsewhere. The relation between chrysotile and mesothelioma is not clear. If it exists, it apparently is much less pronounced than that shown by crocidolite.

The limit of 5 MPPCF that we observe in our operations is still recognized in the United States as satisfactory for chrysotile, but there is strong feeling that it is much too high for crocidolite. I wouldn't be at all surprised to see supplied-air respirators recommended for handling the latter.

In our own operations with chrysotile, I feel that we should try to control the dust to levels as far below 5 MPPCF as reasonably possible. That is, I don't believe we should be content with control that just maintains the level at 5 MPPCF. Actually, this figure is known as a threshold guide and not a level that strictly defines safe and unsafe conditions.

There is some thought that metals associated with asbestos either from the ore or from milling machines, etc., may be part of the problem. Investigation is underway to evaluate this potential; and as soon as I hear more about it, I'll let you know.

Very truly yours,

Paul
Paul W. McDaniel
Industrial Hygiene Engineer

DISTRIBUTION

J. A. Riddle ☐
L. F. Crow ☒
R. O. Marten ☐
W. E. Helsapple ☐
A. A. Andrade ☐
G. C. Brice ☐
Shifters ☐
J. L. Myers ☐
K. A. Wood ☐
D. S. Kamens ☐
C. Vessels ☐
K. West ☐
File ☐

PWM:dmf

A11918

RECEIVED

JAN 22 1968

U.C.C. CHEM. & PLASTICS
INDUSTRIAL HYGIENE

UCC 024948

**UNION
CARBIDE****INTERNAL CORRESPONDENCE****CHEMICALS AND PLASTICS**

P. O. BOX K, KING CITY, CALIFORNIA 93330

To (Name)
Division
LocationPaul W. McDaniel
4th Floor
NYC

Date January 11, 1968

Originating Dept.

Answering letter date

Copy to

Subject

Dear Paul:

Enclosed is a copy of an article from the San Francisco Chronicle re mesothelioma and asbestos. I would be interested in your reaction. Is 5 MMPCF still considered good enough, or should we go to remote-controlled equipment and air-line masks like the nuclear industry uses? I've seen one article which implies that crocidolite may be the harmful variety rather than chrysotile. Have you anything on comparative toxicology of various species of asbestos?

Very truly yours,

JAR
J. A. RiddleJAR/jcb
Enc:

A11917

**UNION
ARBIDE****INTERNAL CORRESPONDENCE****CHEMICALS AND PLASTICS**

P. O. BOX 6, RING CITY, CALIFORNIA 95304

to (name) Mr. Paul W. McDaniel
from ion UCC Medical Dept
file 270 Park Avenue
New York City

Date July 3, 1968

Originating Dept.

Answering letter date

cc to J. A. Riddle
L. F. Crow
J. L. Myers
W. E. Holsapple

Subject

Dear Mr. McDaniel:

Enclosed are the most recent water investigations covering the month of June. Also, a dust count was performed on July 2, and a report of findings is also enclosed.

Very truly yours,



D. S. Kamens

DSK/cg
enc:

A 11916

UCC 024950

REPORT OF DUST PARTICLE ANALYSIS

Dust count samples were taken on July 2, 1968. It should be noted that the bagging area is enclosed and all personnel are required to wear respirators when working in this area. Also an additional dust raising source was caused by maintenance personnel removing a room in the southeast portion of the area. Improvement should be noticed on subsequent investigations as a new dust collection system is to be installed during the latter part of the month while the plant is shut down for vacation.

Weather: fair, 85° with winds 10-20 miles per hour from the north. Standard grade pellets were being packaged.

<u>SAMPLE</u>		<u>M.P.P.C.F.</u>
Maintenance Bldg.	Routine work being performed	2.9
Office	"	1.8
Lab	"	3.7
Offices above Maint. Shop	"	1.8
Rock Fiber Area	Normal Operation	2.0
Same as Above	"	2.3
Refiner Area	Normal Operation	3.4
Same as above	"	3.1
Press Area	Normal Operation	2.9
Car Loading Operation	Loading car with High Purity	3.7
Bagging Room	Large Quantities of Visible	17.7
Same as above	Dust area isolated-personnel wearing respirators	21.1

A 11920

1200 Aqueduct Rd.
MONTEREY
Phone 373-0111

MONTEREY COUNTY HEALTH DEPARTMENT
1270 Nativity Rd. - Salinas, Calif. - Phone 424-7827
WATER FOR BACTERIOLOGIC EXAMINATION

City Hall
KING CITY
Phone 385-3331

Sample No. 33 Collected 6-24-68 Date-Hour 1:30 Collector KAMENS Name UNION CARBIDE Title
City KING CITY Area Served WELL Source OFFICE TAP Sampling Point
Owner or Name of Supply UNION CARBIDE, KING CITY Address
Reason for Testing ROUTINE Sanitary Notes

RESULT - COLIFORM GROUP TESTS (To be filled in by Laboratory only)

Tube No.	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Portions in ML.	10	10	10	10	10	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.01	0.01	0.01	0.01	0.01
Gas in 24 Hrs.																				
Lactose Broth 48 Hrs.																				
Gas in 24 Hrs.																				
B.G.L. Broth 48 Hrs.																				

Coliform MPN Per 100 ML. 2.2 Std. Plate Count Microbiologist N. Miller

Sanitarians Remarks: FREE FROM CONTAMINATION

Date Reported: 6/26/68 Sanitarian: Bill Crigler

1200 Aqueduct Rd.
MONTEREY
Phone 373-0111

MONTEREY COUNTY HEALTH DEPARTMENT
1270 Nativity Rd. - Salinas, Calif. - Phone 424-7827
WATER FOR BACTERIOLOGIC EXAMINATION

City Hall
KING CITY
Phone 385-3331

Sample No. 32 Collected 6-24-68 Date-Hour 1:30 Collector KAMENS Name UNION CARBIDE Title
City KING CITY Area Served WELL Source MAINTENANCE WDG. TAP Sampling Point
Owner or Name of Supply UNION CARBIDE, KING CITY Address
Reason for Testing ROUTINE Sanitary Notes

RESULT - COLIFORM GROUP TESTS (To be filled in by Laboratory only)

Tube No.	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Portions in ML.	10	10	10	10	10	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.01	0.01	0.01	0.01	0.01
Gas in 24 Hrs.																				
Lactose Broth 48 Hrs.																				
Gas in 24 Hrs.																				
B.G.L. Broth 48 Hrs.																				

Coliform MPN Per 100 ML. 2.2 Std. Plate Count Microbiologist N. Miller

Sanitarians Remarks: FREE FROM CONTAMINATION

Date Reported: 6/26/68 Sanitarian: Bill Crigler

1200 Aqueduct Rd.
MONTEREY
Phone 373-0111

MONTEREY COUNTY HEALTH DEPARTMENT
1270 Nativity Rd. - Salinas, Calif. - Phone 424-7827
WATER FOR BACTERIOLOGIC EXAMINATION

City Hall
KING CITY
Phone 385-3331

Sample No. 31 Collected 6-24-68 Date-Hour 1:30 Collector KAMENS Name UNION CARBIDE Title
City KING CITY Area Served WELL Source MILL TAP Sampling Point
Owner or Name of Supply UNION CARBIDE, KING CITY Address
Reason for Testing ROUTINE Sanitary Notes

RESULT - COLIFORM GROUP TESTS (To be filled in by Laboratory only)

Tube No.	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Portions in ML.	10	10	10	10	10	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.01	0.01	0.01	0.01	0.01
Gas in 24 Hrs.																				
Lactose Broth 48 Hrs.																				
Gas in 24 Hrs.																				
B.G.L. Broth 48 Hrs.																				

Coliform MPN Per 100 ML. 2.2 Std. Plate Count Microbiologist N. Miller

Sanitarians Remarks: FREE FROM CONTAMINATION

Date Reported: 6/26/68 Sanitarian: Bill Crigler

A11921

UCC 024952



UNION CARBIDE CORPORATION
CHEMICALS AND PLASTICS

P. O. BOX K, KING CITY, CALIFORNIA 93930

June 17, 1969

Mr. Matthew M. Swetonic
Public Relations Department
Johns-Manville Corporation
22 East 40th Street
New York, New York 10016

Dear Mr. Swetonic:

This is to request that we be placed on your distribution list for the
"Insulation Hygiene Progress Reports".

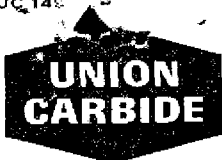
Thank you.

Very truly yours,

JAR
J. A. Riddle
Plant Manager

JAR/cig

A11922


**UNION
CARBIDE**

INTERNAL CORRESPONDENCE

**MINING AND
METALS DIVISION**

270 PARK AVENUE, NEW YORK, NEW YORK 10017

To (Name)	Mr. J. A. Riddle	Date	July 12, 1966
Company	UCC-Mining & Metals Division	Originating Dept.	Asbestos
Location	P. O. Box K King City, California	Answering letter date	
Copy to	Dr. Paul W. McDaniel - 4th Floor	Subject	<u>Asbestos Dust - King City Plant</u>

Dear John:

The California State Health Board inspection is understood to be scheduled at King City, mine and mill, for July 26. Paul McDaniel will make an effort to be at the plant on that date. Please call him shortly prior thereto -- say July 22 -- for confirmation of his plans. If he is unable to attend, a telephone conversation between the inspectors and Paul may be in order during their tour.

Very truly yours,



L. S. O'Rourke:dk

INSPECTED & SAMPLED 8.4.66

11am/ PM

 LYNCH
 &
 JOHNSON

RECEIVED

JUL 16 1966

U.C.C. - MNG. & METALS DIV.
KING CITY, CALIF.

DISTRIBUTION

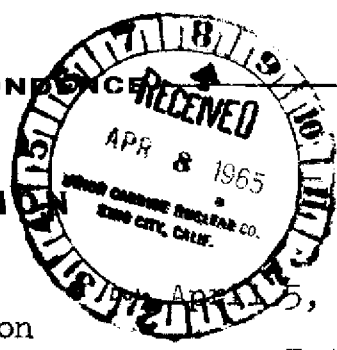
W. C. G. ☐L. A. P. ☐K. A. S. ☐C. C. G. ☐O. C. G. ☐C. A. S. ☐K. W. ☐G. V. ☐G. H. ☐A. A. ☐R. ☐

A11884

UCC 024954



INTERNAL CORRESPONDENCE



UNION CARBIDE CORPORATION

270 PARK AVENUE, NEW YORK 17, NEW YORK

DISTRIBUTION

- W. T. Cohan ☐
- J. A. Riddle ☒ JAR
- W. Haskins ☐
- L. E. Crow ☒ X
- G. C. Brice ☐
- D. S. Kamens ☐
- West ☐
- G. Vessels ☐
- Shifters ☐
- File ☒ JAR

To (Name) Mr. J. A. Riddle
 Company Mining and Metals Division
 Location King City, California

APR 15, 1965

Originating Dept. Industrial Medicine and Toxicology

Answering letter date

Copy to Mr. K.W. Lentz

Subject

Dear Mr. Riddle:

I have recently learned that Dr. Christine Einert (M.D.) of the California Department of Health plans to visit asbestos operations in the various areas in California. I have no idea what time the visits would be made but I know for sure that Dr. Einert will be primarily interested in asbestos dust and its control. Therefore, I would attempt to keep the dust control system at its most effective operation.

I don't believe you will find Dr. Einert difficult to talk to but I feel I should tell you that she has considerable experience in industrial health.

Yours very truly,

Paul W. McDaniel

Paul W. McDaniel
 Industrial Hygiene Engineer

PWM/en

411885

13 June, 1967

1415 TH/MLF

Mr. Frank Dexter
Union Carbide Corporation
Chemicals & Plastics Division
270, Park Avenue
New York, N.Y. 10017

Re: ASBESTOS TOXICOLOGY

Dear Frank:

I assume that you are aware of the occasional reports concerning possible toxicity and carcinogenic properties of asbestos. Dr. Dernehl of Union Carbide Medical Department has followed this area very closely and has maintained a very close check on the working conditions at the King City plant.

Perhaps the most publicity and "interest" in this problem has been in England. There, only two ports will handle normally bagged asbestos, at the other ports the Union of Dock Workers have refused to handle the shipments of asbestos.

We have been permitted to bring in several shipments with not very favorable results. The last shipment, because of rather poor handling and packing, was in bad shape with many broken bags and much free asbestos. Copies of reports on these shipments have undoubtedly already come to your attention.

Mr. Sayers of the asbestos group in UCL has written a report summarizing the findings and feelings concerning asbestos in the U.K. I assume that you have also seen a copy of this report. I am enclosing with this letter, a copy of the comments Dr. Dernehl made in response to this report from England.

My main purpose in writing this to you is to confirm that at the July asbestos meeting in Oxford we will implement the suggestion made by Mr. Sayers and agreed to by Dr. Dernehl that Union Carbide join in the cooperative standard sample comparisons to the extent of arranging for standard samples to be forwarded to Niagara Falls for trace element analysis. In joining the program to this extent we will be able to keep in close contact with the progress of this study and will also be aware of any adverse findings which may develop.

I assume that this is satisfactory to you. We will, of course, keep you directly advised of any information that may develop over here. If these findings or any others of which we may not be aware cause any change in marketing plans or programs for asbestos, we assume you will immediately advise us.

Mr. J. W. McDonald
Union Carbide Corporation
Mining and Metals Division
270 Park Avenue
New York, New York

June 18, 1944

Dear Paul:

Enclosed is a copy of correspondence from the State of California.

As you know, we have a program of air sampling and in one area require respirators to be worn.

If you have any specific suggestions in connection with this visitation, please send them along.

Very truly yours,

L. F. Crow

LFJ:ab
Enclosure

A11883

DEPARTMENT OF PUBLIC HEALTH

2151 BERKELEY WAY
BERKELEY 94704

July 16, 1966

DISTRIBUTION

W. T. Carson ☐J. A. Fitch ☐K. A. Wood ☐L. E. Crow ☒G. C. Rose ☐D. A. Kamens ☒K. West ☐G. Vessels ☐Shiffers ☐A. A. Andrade ☐File ☐Union Carbide
Nuclear Division
Highway 101 South
King City, California

Gentlemen:

During July and August of this year, we plan to carry out an occupational health survey of the entire asbestos mining industry in California. To this end, we will contact you personally during early July in order to answer any questions you may have, and to set a date for our study of your facilities.

Very briefly, our study plan is to evaluate air-borne dust concentrations and ventilation air flow rates. In addition, we will want to obtain sputum samples from certain exposed personnel and review with you your preventive medical program.

The results of this work will be summarized in a report covering California's asbestos mining industry without identifying individual firms. In addition, we will provide you with the results of our evaluation of your facility and of your preventive medical program.

Our purpose in undertaking this study is to insure that workers in the industry are not exposed to harmful levels of asbestos dust, and that you are provided with up-to-date information regarding effective preventive medical programs. We know that you are as interested in this matter as we are, and we look forward to a pleasant working relationship.

Very truly yours,

*Thomas H. Milby*Thomas H. Milby, M.D., Chief
Bureau of Occupational Health

THM:le

RECEIVED

JUN 20 1966

U.C.C. - MNG. & METALS DIV.
CALIF.

A 11882

UCC 024958

SOUTHERN MONTEREY COUNTY MEDICAL GROUP

210 CANAL STREET
KING CITY, CALIFORNIA 95300
TELEPHONE 385-5471

P.O. BOX 247 - 31 MAIL
KING CITY, CALIFORNIA 95301
TELEPHONE 621-8513

LEE HUGHES ANDERSON, M.D. F.A.C.P.
JAMES H. FARR, M.D.
LEE S. ROBERTS
ADMINISTRATOR

L. M. ANDRUS, M.D.

19 April 1967

INTERNAL MEDICINE
L. M. ANDRUS, M.D., F.A.C.P.

GENERAL SURGERY
W. L. GOENNE, JR., M.D.

Mr. Leroy Crow
Union Carbide Corporation
P. O. Box 8
King City, California 95330

Dear Mr. Crow:

GENERAL PRACTICE
ALLAN L. FISHER, M.D.
THOMAS S. ELLIOTT, M.D.
JAMES H. NASH, M.D.
DUANE F. HYDE, M.D.
LLOYD C. PICKERING, M.D.

ORTHOPEDIC SURGERY
ROBERT T. BADKE, M.D.

The men listed below have had x-rays in the X-ray Department of the George L. Mac Memorial Hospital. I am happy to report that there were no abnormal findings. In those who had had previous films, there has been no significant change.

OTOLARYNGOLOGY
JAMES H. FARR, M.D.

UROLOGY
HOWE P. MOORE, M.D.

The only exception to the above statement is on James Chigrow who had had a previous x-ray on 7-20-55 and then the most recent on 2-3-56. This man has old scarring and perforation in his chest but these have remained unchanged in the recent film since the previous film 7-20-55.

DERMATOLOGY
LOUISE E. FRIEND, M.D.

PEDIATRICS
RICHARD WELCH, M.D.

John M. Anderson
Albert Andrade
Robert L. Bowman
William C. Brice
James H. Chigrow
Frank J. Clark
Leroy Crow
Daniel Daniels
Darrill Garcia
Gerald F. Grage
William Housapple
Ray A. Hoover
Robert L. Howard
Albert Juisch

Joe W. Jones
Robert L. Ironsby
Vernon Moss
Alfred L. Pennington
James H. Pugh
Richard L. Smith
Philip S. Smith
Donald S. Howell
Elmer Varney
George L. Westlake, Jr.
Kemper West
Paul Whitlock
Ken Wood

Best wishes,

Lee Hughes Anderson

Lee Hughes Anderson, M.D., F.A.C.P.
Lee Hughes Anderson

A11881