



INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

270 PARK AVENUE, NEW YORK, NEW YORK 10017

To (Name) W. N. Johnson
Division Mining & Metals
Location 38th Floor

Date September 5, 1972

Originating Dept. Medical Department

Answering letter date

Copy to E. A. Piersall
Drs. J. J. Welsh/K. S. Lane

Subject

CONFIDENTIAL

Dear Bill:

At this time we do not regard the use of a gravimetric system for evaluation of asbestos with much favor. We have tried it briefly at King City in comparison with the count system but found no correlation between the two. Our tests were limited, of course, because we did not have time for exploration of the system in depth; nevertheless, I feel the conclusions were valid.

As a second point, I strongly question the use of typical mixtures (asbestos) as reasonably applicable to all the many uses of asbestos. For our products, in particular, the potential error in the "typical" approach is very great.

Finally, the possibility of error in determining weights of small quantities of particulates as would be obtained in the use of personal air samplers is very high. Nothing less than extreme care in physical handling of the samples, in drying, and in control of inherent potential balance errors such as those that reflect temperature variations, static electricity, vibration, etc. would be acceptable; and even with this effort, I wouldn't be at all surprised to have some samples reflect weights completely at odds with the visible conditions. Results, therefore, would be rightly open to question.

SEP 7 1972

PLAINTIFF'S
EXHIBIT

UC-1517

As you are aware, we are not very happy with the present system of fiber evaluation and, consequently, we are still searching for something better. Unfortunately, the weight procedure offers no improvement so far.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Paul".

Paul W. McDaniel
Industrial Hygiene Engineer

PWM:mc

III. Complaint Documents

HAZARDOUS CONDITION REPORT

Prepare in Triplicate
White & Yellow Copies to Supervisor Job Hazard Analysis
Pink Copy Retained by Originator Plant 512
Yellow Copy with Answer to be Returned to Employee through his Supervisor

17.85

Number

To be used in reporting unsafe conditions, requirements for safe job performance, or suggesting safe job procedures. Your interest in submitting this suggestion is appreciated.

To M. Collins
Immediate Supervisor

Date 6-17-1985

Hazardous Condition or Suggestion Asbestos dust in plastic bag on cart

Reason Unsafe Health hazard

Received by C. M. Collins Jr. Date 6/18/85 Name W. D. Baggens
Immediate Supervisor Originator

To W. K. Meadows Date 6/18/85
Department Head or Complex Supervisor

I have investigated the above hazardous condition or suggestion and have taken ☐ or recommend ☒ the following action: Have the safety dept. check the area for asbestos dust

Note: Please answer within APPROXIMATELY 7 DAYS.

C. M. Collins Jr.
Immediate Supervisor

To W. D. Baggens Date 6/18/85
Originator

☒ The following action is being taken The area is and will be vacuumed regularly via water filter vacuum. The S.D. checked the area and found no air borne dust from asbestos - we will have the check again.
☒ Your suggestion was reviewed with the Safety Department and we believe that no corrective action is necessary.

W. K. Meadows
Department Head or Complex Supervisor

I.H. - Has this been covered

in triplicate

white & yellow copies to supervisor

Pink copy retained by originator

Yellow copy with answer to be returned to employee through his supervisor

Department No. 157

HCR/SA No. 157-421

HAZARDOUS CONDITION/SAFETY AWARENESS REPORT

- ☐ Safety Suggestion ☐ Safety Program Date: 11-4-86
- ☐ Potential Injury ☒ Potential Health Hazard ☐ Potential Fire or explosion
- ☐ Personnel Related ☐ Equipment Related ☐ Potential Equipment Failure
- ☐ Other Related ☐ Training Required ☒ Potential Environmental Problem

Description Contract insulators stripping asbestos all around Sevin area. No monitoring is being done to insure the employees are not being exposed to higher concentrations of asbestos fibers than what the OSHA standard specifies

L.K. Wilkins
Originator

Analysis/Action (Within 7 Days)
(or reasons why no action is planned)

Procedure is being evaluated for revision - however a outside firm will monitor the area November 13-14 1986.

11/8/86

(Date)

C.H. Hayden
(Second Line Supervisor)

C.E. Mooney

(First Line Supervisor)

(Department Head)

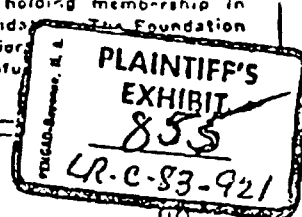
If no action is planned:

(Safety Department)

(Asst. Plant Manager)

FOUNDATIONS FACTS

to industrial concerns holding membership in
Industrial Hygiene Foundation. The Foundation
is a non-profit association for the
advancement of healthful



61
August, 1949

M.E. Coyle of General Motors to Keynote Annual Meeting

Conferences to Include one on Air and Stream Pollution

M.E. Coyle, Executive Vice-President of General Motors Corp., will deliver keynote address opening the 14th annual meeting of Industrial Hygiene Foundation at Mellon Institute, Pittsburgh, on November 17. Mr. Coyle will speak on subjects of interest to industrial management, as corporate activities and their impact on the National economy.

Besides the main meeting for management representatives, four professional conferences will be held here on November 16---(1) Medical, (2) Chemical & Toxicology, (3) Engineering and (4) Legal. These round-table sessions are being planned by the respective professional committees in the Foundation and the agenda will be announced soon.

November 18, the day after the main meeting, will be devoted to a conference on the Air and Water of Industrial Communities, with emphasis on air pollution. The membership voted 3 to 1 in favor of such a conference which in effect will be a continuation of the main meeting. The agenda will cover subjects of interest to management and technical representatives.

The Medical Conference on November 16, the main meeting on November 17 and the "air and water" conference on November 18 will all be held in the main auditorium at Mellon Institute. The other conferences (November 16) will all be held either at the Institute or nearby at sites to be announced.

"Hotel reservations should be made now." Both the Hotels Webster Hall and the Westgate, near Mellon Institute, promise full cooperation, as do the downtown hotels and the Pittsburgh Convention Bureau.

More details later.....

I-R-F in American Can Company's Annual Report

The 47th annual report of the American Can Company, a Foundation member, contains the following:

"With the assistance of Industrial Hygiene Foundation of America, which is located in the Mellon Institute in Pittsburgh, a survey was conducted of the Company's medical program for employees. The purpose of this survey was to determine ways where the Company's already comprehensive medical program can be made more effective."

(Editor's Note: The Foundation is now engaged in four other such studies dealing with medical administration, cost and procedure.)

--- November 16, 1949, 1849

Deposition Exhibit No 2
5-14-87

However, great care should be taken to exclude the tuberculous in selecting persons to receive aluminum therapy. (4) It is not believed that a scientifically controlled experiment in industry is feasible for the evaluation of aluminum for the prophylaxis of silicosis. This follows from the uncontrollable variables inherent in the industrial situation and other factors which have been discussed. For these reasons, it appears improbable that any research agency would consider it advisable to undertake such a project except under special conditions already discussed, and which may not be attainable. (5) The McIntyre Research Foundation, as presently organized, is not equipped to solve the aluminum prophylaxis problem in relation to silicosis. The steps considered necessary to accomplish this objective are outlined. (6) Research should be continued with laboratory animals with the object of finding a more adequate basis for application to man. Such study is now included in the program of the Saranac Laboratory of the Trudeau Foundation. -- Authors' Summary

- 66 Effects of Electricity on the Human Body. W.B. Kouwenhoven.
Ind. Med. 18, 269 (July, 1949).

The author discusses briefly the various effects of electricity on the body, including variations with the amount of current. The current values of interest are: (1) threshold of feeling, about 1 milliamperes; (2) let-go current, above which it is difficult to let go of a wire, about 9 milliamperes for men, 6 for women; (3) current producing ventricular fibrillation, 0.1 ampere; (4) current producing a block in the nervous system, one ampere or more; and (5) the counter shock current. The last three result in death if prolonged; otherwise artificial respiration may save the victim. These effects refer to alternating current of commercial frequency. Direct current is much less harmful. The only effect of high-frequency currents is heating.

- 67 Asbestosis and Cancer of the Lung. Editorial.
J.A.M.A. 140, 1219-1220 (Aug. 13, 1949).

Records of English, American and German physicians and The Annual Report of the Chief Inspector of Factories in England for 1947 show that the occurrence of cancer of the lung is related to pulmonary asbestosis. This relation is supported by the following observations: (1) The incidence rate of cancer of the lungs in asbestosis patients is 10 to 15 times as high as among the general population. (2) The male-female ratio is more nearly equal than it is for the general population, which indicates that an environmental and evidently occupational carcinogen tended to equalize the incidence rate of cancer of the lungs for both sexes. Recent experimental observations support this interpretation of clinical evidence.

- 68 Changes in the Lungs Produced by Natural Graphite. H.E. Harding and G.B. Oliver. Brit. J. Ind. Med. 6, 91-99 (April, 1949).

A brief description is given of the industrial uses of natural graphite, which is a crystalline carbon mixed with up to 10% of free silica and with other minerals. The greatest risk occurs in the grinding of natural graphite, for which evidence is presented to show that this can lead to