

From: WPF1 --TTCMS  
To: JGV1 --TTCMS

Date and time 03/04/87 11:52:31

Subject: Re: Your memo entitled Asbestos Insulation in 2-4-8L  
CC: D.F. Best  
G.N. Long  
F.D. Lutz  
J.P. Sicard  
J.M. Smith  
E.T. Wolynic  
R.A. McCarroll  
W.C. Seelig  
F.M. Held

Answers to numbered questions in your memo entitled ASBESTOS INSULATION IN 2-4-8L.

(1) The group doing the work (ie Linde Support Services supervised by W. C. Seelig) because the supervisor who signed the upper right blank on the HWP Permit also closes out the work by signing the lower right blank marked, signifying that the "Work has been satisfactorily completed and area inspected". The problem in this case is that I signed the permit without specifying the disposal procedure/responsibility. Bob McCarroll apparently needs such a reminder. In the light of all this please seal the bags, and consult Gary Small (ext. 3172) as to what container to put them in so they don't get punctured. Then have Material Handling pick it up and get them to Gary. I know you and JMS know how to rate the hazard and tag the bags.

(2) The site Industrial Hygienist said no. I agreed because the worker was using all Methods of compliance outlined in OSHA Standard 1910.1001, Section (c). The air-purifying respirator (vs powered air-purifying, or air-line supplied types) met item(d) of this standard, because the 8 Hour Time Weighted Average was "not reasonably expected to exceed no more than 10 times either, the PEL of 2 fibers more than 5 micrometers long per cc of air in the work area averaged over 8 hours, or the ceiling limit of 10 fibers more than 5 micrometers/cc for any period of time. This means less than 20 to 100 fibers per cc of air outside the respirator.

(3) Absolutely, this is UCC policy. OSHA assures that a worker can see these results in his Health file as a minimum standard. Jim should see the results, especially because they were taken outside the enclosure of Bob McCarroll's work area (ie Jim's work area).

(4) Frank Lutz (the site Industrial Hygienist) is responsible for all such analytical work. Just give him a charge number.

(5) Ask Frank Lutz to monitor your lab regularly from now on. Just request it in writing, with frequency, and a charge number.

(6) Not unless you have evidence that the PEL (2 fibers/CC over 8 Hours) is exceeded, or your manager agrees to pay the contractor without such evidence.

(7) Probably it is, unless the insulation is crumbling and is known to be mainly asbestos. Encapsulation avoids creating an aerosol from cutting and handling insulation which is not

crumbling. I would conduct such encapsulation while 2-4-8L  
is being renovated.

A04340



UNION CARBIDE CORPORATION  
TARRYTOWN TECHNICAL CENTER  
SAW MILL RIVER RD., RTE. 100C  
TARRYTOWN, N. Y. 10591

RECEIVED

MAR 10 1987

W.P.F.  
3-27-21

WORK ORDER NO.

383971

# BUILDING SERVICE WORK ORDER

BLDG & SITE OPERATIONS

TO: BUILDING SERVICES / Allied  
NAME OF DEPT. OR SERVICE SHOP

ALLIED

CHARGE  
TO

ACCOUNT UNIT

000 824 0225120

DIV

LOCATION

DEPT. OR PROJECT NUMBER

DESCRIPTION OF WORK TO BE PERFORMED (PLEASE LIST REQUIREMENTS IN DETAIL)

There are approx. 38-45 points in LINDE Labs 2 & 4-L where deteriorating pipe insulation and joint sections (containing asbestos) present a potential hazard to the occupants of these labs.

Recently insulation samples and pipe joints were tested for asbestos content by F.D. LUTZ of U.C.C. Pipe joints were found to contain 10% asbestos and pipe insulation containing 65% asbestos.

According to W.P. FETKE encapsulation of these areas would prevent further deterioration and reduce potential exposure to workers in these areas.

It is our request for building services to encapsulate all sections of exposed insulation suspected of containing asbestos.

mk 3/16 - 8hr 3/17 - 8hr

3/18 - 4hr 3/19 - 8hr 3/23 4hr

## SAFETY WORK ORDER

A TODAY ☐

B 1 WEEK ☐

C 1 MONTH ☒

PRIORITY

DATE WANTED

SIGNATURE

LOCATION WHERE WORK IS TO BE PERFORMED

BUILDING

ROOM NO.

PHONE NO.

DATE PROMISED

### FOR SHOP SUPERVISOR'S USE

DEPARTMENT

ALLIED

DATE COMPLETED WORK DONE BY

3/23/87 mk JC

TOTAL HOURS WORKED

36

MATERIAL COST

SUPERVISOR'S APPROVAL

### FOR REALTY DIVISION ACCOUNTING DEPT. USE

COST TO DEPARTMENT REQUESTING SERVICE

BUILDING SERVICE COST

RECEIVED

Hrs. @ Per Hour

MAR 10 1987

ALLIED MAINTENANCE  
J. CULLEN

TOTAL AMOUNT CHARGED

Basic Hourly Rate \_\_\_\_\_ Hrs. @ \_\_\_\_\_ = \_\_\_\_\_

Direct Labor Overhead @ \_\_\_\_\_ = \_\_\_\_\_

General Overhead \_\_\_\_\_ Hrs. @ \_\_\_\_\_ = \_\_\_\_\_

COST OF LABOR (Incl. Overhead)

COST OF MATERIALS

TOTAL BUILDING SERVICE COST

ORIGINAL

A04347

UCC 009020

C. Smith