UC 149-2

PLEASE VERBALLY DISCUSS THESE MONITORING RESULTS WITH THE PARTICIPATING EMPLOYEE

UNION CARBIDE

INTERNAL CORRESPONDENCE

AGRICULTURAL PRODUCTS COMPANY, INC. • P.O. BOX 2831, CHARLESTON, WEST VIRGINIA 2533

INSTITUTE PLANT

To (Name) Mr. P. J. Morris
Division Building 23
Location Institute Plant
Floor Number

Copy to Dr. B. H. Avashia
Mr. C. L. Chisler
Mr. F. Williams

Date March 15, 1983

Originating Dept. Industrial Hygiene

RECEIVED
MAR 17 1983
Fred Williams

Floor Number

Answering letter date

Subject Personal Exposure
To Asbestos - Complex VIII

Two insulator/painters from Maintenance Complex VIII were monitored for personal exposure to asbestos on 2/3/83. This monitoring occasion was in response to a request by one of the employees as related by the zone foreman.

The job task involved removal of protective covering from asbestos insulation covering a large valve in the dowtherm line of the reboiler at the AB Unit. Total time of involvement should have been about 35 minutes.

Personal exposure results for a 15 minute sample time were 0.8 and 0.14 fibers per cc of air (see attached data sheet). The current OSHA TLV for personal exposure to asbestos is 2 fibers/cc of >5 micrometers in length with a ceiling limit of 10. This is for exposure to airborne levels without respiratory protection.

In this case, both employees wore a 3 M dust mask and were properly prepared to perform the assigned job task. Procedures were followed in terms of wetting down the exposed insulation and packaging for disposal.

Two items should be mentioned which employees frequently are not aware of:

1) Sampling time as required by OSHA is for 15 minute time increments. For long term jobs additional 15 minute samples may be taken. The analytical counting method normally does not permit longer sampling especially when a significant amount of fibers are becoming airborne.

2) Most demolition jobs generate more airborne asbestos fibers during removal of protective covering than is liberated when asbestos materials are properly wetted down. In this case, measurement was made during the removal of the covering when dry fibers were expected to be released.

H. H. Frazier

H. H. Frazier

AU4043

HHF:jas
Attachment

INDUSTRIAL HYGIENE SAMPLING

WORKPLACE LOCATION: Maintenance Complex VIII Building: 210

CONTAMINANT: Asbestos OSHA TLV 2 fibers/cc

DATE: 2/3/82 Name: L. R. Collins

Record Number	Sample Date	Sample/Type Name	Sample Time Min.	Results, ppm Air Conc.	Results, ppm *TWA_8	Comments Location/Job Task
W-3353	2/3/83	J. K. Barthlow	15	0.8		Removing protective coverin from asbestos insulation an bagging of materials - wore 3M mask
W-3353	2/3/83	J. F. Jarvis	15	0.14		Cutting protective cover from asbestos covered valve - bagging scrap material - wore 3 M Mask

*TWA_8 applicable to personal samples only.

A04044