



INTERNAL
CORRESPONDENCE

PLEASE VERBALLY DISCUSS THESE
MONITORING RESULTS WITH THE
PARTICIPATING EMPLOYEE

UNION CARBIDE CORPORATION P.O. BOX 2000, CHARLOTTE, N.C. 28220
AGRICULTURAL PRODUCTS COMPANY, INC. INSTITUTE PLANT

RECEIVED

AUG 05 1982

To (Name) Mr. D. K. Garrett
Division Building 264
Location Institute Plant

Date July 30, 1982

Originating Dept Industrial Hygiene

Fred Williams

Area

Copy to Dr. B. H. Avashia
Mr. J. T. Young
Mr. F. Williams

Subject Monitoring for Personal
Exposure to ASBESTOS
During Pipeline Demolition

Arrangements were made to monitor for personal exposure to asbestos fibers during a major job of demolition of asbestos containing insulation from old piping. Personnel from the Central Insulating Group were involved in a typical demolition project in an area along E street between 3rd and 5th Avenues during the first week of July.

Eight personal samples were collected during this time period, together with an area sample at the MCB Unit. Kaylo asbestos insulation with double application and protective covering was being removed from a 4" pipeline. Proper plant guideline procedures were observed to be followed throughout the course of the job. Personnel involved wore adequate respiratory protection while the old insulation material was wetted with a fire hose, dropped to a plastic lined truck bed and covered for transport to the landfill.

Samples were collected for 15 minute time periods on filter cassettes while employees were actively engaged in specific job tasks. Fiber counting by phase contrast microscopy was performed by the R & D Industrial Hygiene Group. Results were as follows:

Date	Name	Air Conc., Fibers/cc	Job Task
6/28/82	M. R. Fisher	1.4	Stripping & Bagging
	T. B. Kugel	<0.1	Transfer filled bags to truck
7/1/82	J. L. Vaten	<0.1	Stripped protective covering
	M. R. Fisher	0.2	Removing wetted insulation
	T. C. White	0.9	Stripped protective covering
	M. E. Johnson	<0.1	Picked up scrap & bagged
7/2/82	T. C. White	0.3	Stripped protective covering
	J. L. Vaten	1.7	Stripped and removed wetted insulation
	Area	<0.1	Pipeline valve replacement where demolition was completed

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Page 2
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Current OSHA threshold limit value (TLV) for personal exposure to asbestos is 2 fibers >5 microns per cc of air, based on 15 minute sample periods. These data substantiate the observation that asbestos fibers are adequately contained when plant procedures are followed.

During this monitoring occasion, it was reported to a member of the Safety First Committee that asbestos materials from this demolition project were not being properly handled at the Goff Mountain Landfill. Investigation by Industrial Hygiene did not reveal any problems or deficiencies at the landfill in terms of exposure or procedure. Conversation with Mr. Fizer and the dozer operator indicated all asbestos materials are covered with soil within 24 hours of delivery. On-site material from this demolition project remained well wetted and fibers obviously were not becoming airborne during the burying process.



H. H. Frazier

HHF:jas

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