



INTERNAL
CORRESPONDENCE

UNION CARBIDE CORPORATION

TECHNICAL CENTER
P.O. BOX 8361, SOUTH CHARLESTON, WV 25303

To: W. T. Shelton

Date: November 22, 1985

By:
C. J. H. H. H.
H. H. H.

Originating Dept: HS&EA

Area: Industrial Hygiene

Subject: Asbestos Monitoring

PLAINTIFF'S EXHIBIT

UC-2505

T. L. Collins
C. P. Maxwell
G. C. Merz
R. G. Rowe, M.D.
R. R. Sergeant

Attached are the results of personal exposure monitoring conducted on November 11 and November 12, 1985 while R. P. Hess and R. E. Raines stripped asbestos from lines and equipment in Building 707-Cell 4.

The stripping, bagging and cleanup was done by the two insulators. Water was used to wet down the insulation. The cell area was barricaded and signs were posted designating the potential asbestos hazard. Both Mr. Hess and Mr. Raines wore disposable respirators, disposable coveralls with head cover, rubber boots and gloves. Protective equipment was removed when leaving the hazard area.

The samples collected on Mr. Hess and Mr. Raines on November 11, 1985 were both above the action level of 1 fiber/cm³, but below the allowable exposure level of 2 fibers/cm³. The samples collected on November 12, 1985 were below the action level.

It is apparent from the first day that more of a water spray is needed to saturate the asbestos and control the airborne dusts before, and during the stripping and bagging process.

Please notify Mr. Hess and Mr. Raines of their exposure results. If we can be of further assistance, please contact us on extension 4779 or extension 3750.

Work By:

Vance Stover
Vance Stover

Approved By:

Manhar A. Patel
Manhar A. Patel

0766P

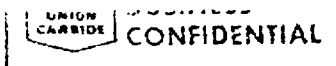
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PERSONAL EXPOSURE MONITORING FOR ASBESTOS
AT BUILDING 707 - CELL 4

Date	Name/Location	Sampling Time Minutes	Air Conc. (Fibers/cc)	8 Hr-TWA (Fibers/cc)	Comments
11-11-85	R. P. Hess	418	1.22	1.06	Monitored while stripping and bagging approximately 400 # of asbestos.
11-11-85	R. E. Raines	410	1.54	1.32	
11-12-85	R. P. Hess	427	0.604	0.537	Monitored while stripping and bagging approximately 400 # of asbestos.
11-12-85	R. E. Raines	403	0.462	0.39	

Computer reference # W 1854
W 1855

0766P

INDUSTRIAL HYGIENE MONITORING FOR AsbestosComputer Ref. W1778

TO: W. T. Shelton, 704-Shop

Date May 3, 1985cc: T. L. Collins, 740-2318
C. P. Maxwell, 725R. G. Rowe, M.D., 791
C. L. Ruddle, 704-202PERSONS MONITORED R. E. Raines, D. M. LawrentzLocation Bldg. 707 - 2nd Floor Operating Area Date 4-26-85

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	0.38 fibers/cc	35 min.	Personal sample: R. E. Raines - Collected on filter cassette.
2	0.27 fibers/cc	35 min.	Personal sample: D. M. Lawrentz - Collected on filter cassette.

Time-Weighted Average Concentration (TWA) --Ceiling Concentration --

ALLOWABLE EXPOSURE (8 Hr.)

TWA 2 fibers/cc X OSHA UCC OtherCeiling -- OSHA UCC Other

COMMENTS

R. E. Raines and D. M. Lawrentz were monitored while working together to strip approximately 8 ft. of old insulation from a heliflo system in Bldg. 707. Both men wore disposable respirators, coveralls, gloves and boots while stripping and cleaning up. The stripped insulation was placed in plastic bags for disposal. A barricade was set up around the work area and signs were posted. A water spray was used to wet down the insulation.

Examination of the samples indicated levels of asbestos fibers well below the allowable exposure limit. Please notify employees of their exposure results.

WORK BY

M. F. Stowers
M. F. Stowers

APPROVED BY

Manhar A. Patel
Manhar A. Patel