UNION CARBIDE **BUSINESS CONFIDENTIAL**

PLAINTIFF'S EXHIBIT

UC-2608

INDUSTRIAL HYGIENE MONITORING FOR Asbestos

Computer Ref. W1764

TO: W. T. Shelton, 704

Date April 12, 1985

cc: T. L. Collins, 740-2318
C. P. Maxwell, 725
R. G. Rowe, M.D., 791
C. L. Ruddle, 704-202

PERSON MONITORED R. E. Raines

Location Bldg. 701-Basement Date April 11, 1985

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	1.3 fibers/cc	63 min.	Personal sample: Collected on filter cassette.

Time-Weighted Average Concentration (TWA) --

Ceiling Concentration --

ALLOWABLE EXPOSURE (8 Hr.)

TWA 2 fibers/cc X OSHA ___ UCC ___ Other

Ceiling ___ OSHA ___ UCC ___ Other

COMMENTS

R. E. Raines was monitored while stripping approximately 12 ft. of old insulation from 3/4" steam line just outside the telephone room in the basement of Bldg. 701. While stripping the insulation, Mr. Raines wore a disposable respirator, coveralls, gloves, and shoe covers. The area was barricaded, signs posted, and a portable water sprayer was used to wet down the insulation.

Evaluation of the sample indicated a level of asbestos fibers less than the allowable exposure limit. However, the fiber concentration was higher than expected for this type of job. It is possible that the insulation was not wetted down thoroughly enough prior to removal due to the fact that some of it was difficult to reach.

Please notify employee of exposure results.

WORK BY M. F. Stowers
M. F. Stowers

APPROVED BY Manhar A. Patel
M. A. Patel

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INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

Computer Ref. W-1314
Date April 22, 1982

TO: W. T. Shelton, 704 Shop

cc: R. E. Peele, 701-334
R. G. Rowe, M.D., 791

PERSON MONITORED R. E. Raines

Location Bldg. 704 Powerhouse - 1st Level and Basement Date 04/14/82

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	0.13 fibers/cc	2 Hrs. 15 Mins.	Personal sample - collected on filter cassette
2			
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) 0.04 fibers/cc

Ceiling Concentration -

ALLOWABLE EXPOSURE (8-Hour)

TWA	2 fibers/cc	X OSHA	___UCC	___Other
Ceiling		___OSHA	___UCC	___Other

COMMENTS

Mr. Raines was monitored for exposure to asbestos fibers while stripping old insulation from steam lines at several different locations on the first level and basement of the Powerhouse. Total length of insulation removed was approximately 15 feet. Mr. Raines wore a disposable respirator, coveralls and used a water spray cannister to wet insulation down. Mr. Raines did not work with asbestos beyond the indicated sampling time. Please report results to employee.

WORK BY Mario F. Stowers
Mario F. Stowers

APPROVED BY Manhar A. Patel
Manhar A. Patel

CONFIDENTIAL

FILE COPY

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

Computer Ref. W-1274

Date Feb. 1, 1982

TO: W. T. Shelton, 704 Shop

cc: B. H. Avashia, M.D., 23-512
J. R. Hall, 8745-514
L. R. Noble, 511-2149
M. A. Patel, 701-330
D. R. Paugh, 511-2009
R. E. Peele, 701-334
R. G. Rowe, M.D., 791

PERSON MONITORED P. J. Agosti

Location 704 Powerhouse Date 1/26/82

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	3.08 fibers >5 µm/cc	26 Minutes	Personal sample
2			
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) -

Ceiling Concentration -

ALLOWABLE EXPOSURE

TWA	2 fibers > 5 µm/cc	X OSHA	___UCC	___Other
Ceiling	-	___OSHA	___UCC	___Other

COMMENTS

Personal samples were collected while Mr. Agosti and Mr. Wheeler were stripping insulation from aerator and connecting lines on the second level in 704 Powerhouse. The levels of asbestos fibers found were in excess of OSHA standard of 2 fibers >5 µm/cc. We recommend the insulators continue to wear protective clothing, respirators, gloves and the area to be stripped wet down. Please inform IH Department of the next stripping job in this area and inform concerned employees of their exposure.

WORK BY Mark E. Bell
M. E. Bell

APPROVED BY G. W. Bott
G. W. Bott

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INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE COPY

Computer Ref. W-1274

TO: W. T. Shelton, 704 Shop

Date Feb. 1, 1982

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M. A. Patel, 701-330
D. R. Paugh, 511-2009
R. E. Peele, 701-334
R. G. Rowe, M.D., 791

PERSON MONITORED W. G. Wheeler

Location 704 Powerhouse Date 1/26/82

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	3.6 fibers >5 μm/cc	28 Minutes	Personal sample
2			
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) -

Ceiling Concentration -

ALLOWABLE EXPOSURE

TWA	2 fibers >5 μm/cc	X OSHA	___UCC	___Other
Ceiling	-	___OSHA	___UCC	___Other

COMMENTS

Personal samples were collected while Mr. Agosti and Mr. Wheeler were stripping insulation from aerator and connecting lines on the second level in 704 Powerhouse. The levels of asbestos fibers found were in excess of OSHA standard of 2 fibers <5 μm/cc. We recommend the insulators continue to wear protective clothing, respirators, gloves and the area to be stripped wet down. Please inform IH Department of the next stripping job in this area and inform concerned employees of their exposure.

WORK BY Mark E. Bell
M.E. Bell

APPROVED BY G. W. Bott
G. W. Bott