UNION CARBIDE BUSINESS CONFIDENTIAL

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INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

Computer Ref. W-1373

TO: W. T. Shelton, 704 Shop

Date Sept. 2, 1982

PLAINTIFF'S EXHIBIT

UC-2507

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

PERSON MONITORED J. W. Greenlee

Location Bldg. 707, Room 101 Date 07/23/82

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	2 fibers/cc	2 Hrs. 12 Mins (0904-1114)	Personal sample
2	0.56 fibers/cc	2 Hrs. 12 Mins (0904-1114)	Area sample - middle of Room 101
3	1.6 fibers/cc	2 Hrs. 21 Mins (1250-1511)	Personal sample
4	0.71 fibers/cc	2 Hrs. 21 Mins (1250-1511)	Area sample - middle of Room 101
5			
6			

Time-Weighted Average Concentration (TWA) -

Ceiling Concentration -

ALLOWABLE EXPOSURE (8 Hrs.)

TWA	2 fibers/cc	X OSHA	UCC	Other
Ceiling		OSHA	UCC	Other

COMMENTS

J. W. Greenlee was monitored while stripping old insulation from approximately two hundred feet of steam line in Building 707, Room 101. Mr. Greenlee wore gloves, coveralls and a respirator throughout the duration of the work period. A water spray cannister was used to wet the insulation, however, the exterior of the insulation was so hard that the water did not soak through well. Both entrance ways to Room 101 were barricaded and marked with signs indicating a potential asbestos hazard. Please notify employee of results.

WORK BY Mario F. Stowers

APPROVED BY Manhar A. Patel
Manhar A. Patel

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INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE COPY

Computer Ref. W-1212
Date August 6, 1981

TO: W. T. Shelton, 704 Shop

cc: R. E. Peele, 701-334
H. L. Robinson, 701-401

PERSONS MONITORED J. W. Greenlee and D. E. Lawrentz

Location Bldg. 707 Cell 11, 2nd Level Date 08/05/81

EXPOSURE RESULTS

Sample No.	Conc.	Sampling Time	Comments
1	0.074 Fibers/cc	16 Mins.	Personal sample - J. W. Greenlee
2	0.045 Fibers/cc	15 Mins.	Personal sample - D. E. Lawrentz
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) J.W. Greenlee: <0.074 Fibers/cc
D.E. Lawrentz: <0.045

Ceiling Concentration -

ALLOWABLE EXPOSURE

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

COMMENTS

Insulators were monitored while stripping old insulation from about 20 feet of steam line on the second level of Cell 11 in Building 707. Both insulators wore gloves and respirators. Water spray was used to wet the insulation in order to keep the dust down. The fiber concentrations in the samples taken on both men were found to be considerably less than the allowable exposure of 2 fibers/cc.

WORK BY Mario F. Stowers
Mario F. Stowers

APPROVED BY Manhar A. Patel
Manhar A. Patel

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

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TO: W. T. Shelton, 704 Shop

Computer Ref. W1121

CC: G. F. Hurley
H. L. Robinson

PERSON MONITORED John Hackney, Ralph Hess

Location Bldg. 707, Cell 3 Date 10/29/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	3.1 fibers/cc	56 minutes	Sample taken on John Hackney
2	11.9 "	56 minutes	Sample taken on Ralph Hess
3	14.9 "	30 minutes	Sample taken on John Hackney
4	Too dense to count.	30 minutes	Sample taken on Ralph Hess
5			
6			

Time-Weighted Average Concentration (TWA) -

Ceiling Concentration

ALLOWABLE EXPOSURE

TWA		OSHA	UCC	Other
Ceiling		OSHA	UCC	Other

COMMENTS

Samples taken during stripping of Dowtherm lines in Cell 3 of Building 707. The lines were wetted down with water, however the insulation material was very hard on the outside and the water did not soak through very well. Respirators and gloves were used by the persons monitored. Analysis of the insulation material being stripped showed that it was not asbestos.

WORK BY Mari Stowers

APPROVED BY George Hurley

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INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

TO: W. T. Shelton, 704 Computer Ref. 1070

CC: G. F. Hurley
H. L. Robinson
R. G. Rowe, M.D.

PERSON MONITORED Greenlee, J. W.

Location Bldg. 707, Fourth Level, Cell 11 Date 8/5/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	.92 fibers > 5 μm/cm^3	78 mins.	Stripping and bagging suspected asbestos containing insulation from approximately 50 feet of 1/2-2" steam line.
2			
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) _____

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA 2 fibers >5 μm/cm^3 (OSHA) UCC Other

Ceiling _____ OSHA UCC Other

COMMENTS

WORK BY Ruth Clise

APPROVED BY G. Hurley

UCC 024349

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INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

TO: W. T. Shelton, 704 Computer Ref. 1070

CC: G. F. Hurley
H. L. Robinson
R. G. Rowe, M.D.

PERSON MONITORED Raines, R. E.

Location Bldg. 707, Fourth Level, Cell 11 Date 8/5/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	1.85 fibers >5 μm/cm^3	79 mins.	Stripping and bagging
2			suspected asbestos containing insulation from approximately 50 feet of 1/2 - 2 inch steam line.
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) _____

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA 2 fibers >5 μm/cm^3 (OSHA) UCC Other

Ceiling _____ OSHA UCC Other

COMMENTS

Even though the exposure concentration is near the allowable exposure, Mr. Raines wore a disposable 3M dust respirator which would give him further protection.

WORK BY Ruth Cline

APPROVED BY G. Hurley