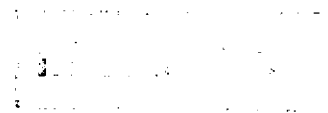




INTERNAL
CORRESPONDENCE



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

To (Name)	A. F. Terry	Date	February 18, 1987
Division	704	Originating Dept.	EM&TS - HS&EA
Location	511	Area	Industrial Hygiene
Area		Subject	<u>Asbestos Exposure Monitoring</u>
Copy to	C. P. Maxwell - 701/2 R. G. Rowe, M.D. - 791 C. L. Ruddle - 704 R. E. Sergeant - 704		

Attached are the results of the Asbestos exposure monitoring performed on F. R. Creech on February 10, 1987. He was monitored while stripping 2 Reactor Heaters from 770-237 Autoclave Lab using glove bags. The stripping was done in a designated room, located in Building 777. He also spent approximately 3 hours in Building 740 fan loft.

He was equipped with disposable coveralls and an AO R57-A HEPA filter, half-face cartridge respirator.

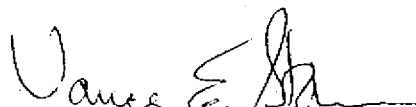
The exposure monitoring results indicate that the levels were well below the 0.1 fiber/cc Action Level, established by OSHA for an 8-hour workday (TWA₈).

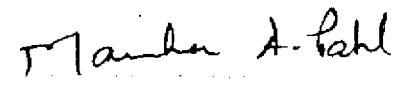
Please notify F. R. Creech of his exposure monitoring results as soon as possible. Please have him sign and date this report and return to M. A. Patel at Building 701-330.

If we can be of further assistance, please call us on extension 4779 or 3750.

WORK BY:

APPROVED BY:


Vance E. Stover


Manhar A. Patel

Attachment

VES:MAP:rab
2111P

ASBESTOS EXPOSURE MONITORING

<u>Date</u>	<u>Sample Type/ Employee Name</u>	<u>Sampling Time</u>	<u>Air Conc Fibers/cc</u>	<u>TWAg Fibers/cc</u>	<u>COMMENTS</u>
2-10-87	Personal/ F. R. Creech	7 hrs 33 min	0.011	0.0104	Collected while stripping 2 Autoclave heaters, from 770 Autoclave Lab, and while working approx. 3 hours in Building 740 fan loft.

ASBESTOSPermissible Exposure Level

TWAg	0.2 fibers/cc	OSHA
Action Level	0.1 fibers/cc	

2111P

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS**FILE COPY**

TO: R. F. Painter
Trlr. 5583
511

Computer Ref. W-1087

CC: G. F. Hurley, 701-334
H. L. Robinson, 701-401
E. J. Tawney, 511-5583

PERSON MONITORED Construction Insulators - LaborersLocation Tank Pad - Bldg. 777 Date 9/10/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	0.10 fibers	20 minutes @ 2 LPM	D. C. Shamblin
2	0.11 fibers	18 minutes @ 2 LPM	C. Miller
3	0.15 fibers	18 minutes @ 2 LPM	R. E. Templeton
4			
5			
6			

Time-Weighted Average Concentration (TWA) Not enough data
Ceiling Concentration Not exceeded

ALLOWABLE EXPOSURE

TWA 2 fibers/cc > 5 μ m
Ceiling 10 " "

OSHA

UCC

Other

OSHA

UCC

Other

COMMENTS

Stripping approximately 100 feet of old pipe insulation. Items lying on concrete pad were wetted with a hose, employees wore respirators and protective clothing.

WORK BY S. W. BetzAPPROVED BY Manahan A. Patel

INDUSTRIAL HYGIENE MONITORING FOR

Asbestos

FILE COPY

TO: Mr. Wilson SheltonComputer Ref. W1012CC: Mr. G. F. Hurley
Mr. H. L. Robinson

PERSON MONITORED

Area Sample

Location

Bldg 777-101

Date

2-22-80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	<u>0.7 fobs</u>	<u>50 min</u>	<u>Near Center of</u>
2			<u>Room - Approx. 5' from</u>
3			<u>floor</u>
4			
5			
6			

Time-Weighted Average Concentration (TWA) _____

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA

2 fobs

OSHA

UCC

Other

Ceiling

OSHA

UCC

Other

COMMENTS

WORK BY

G. W. Bax

APPROVED BY

George Hurley

INDUSTRIAL HYGIENE MONITORING FOR

AsbestosTO: Mr. Wilson SheltonComputer Ref. W1012CC: Mr. G. F. Hurley
Mr. H. L. Robinson

PERSON MONITORED

Mr. Ralph Hess

Location

777-101

Date

2.22-80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	<u>1.6 fibers</u>	<u>50 min.</u>	<u>Helper - Stripping</u>
2			<u>3/4" steam line ~</u>
3			<u>60 ft.</u>
4			
5			
6			

Time-Weighted Average Concentration (TWA) _____

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA

2 fibers/cc

OSHA

UCC

Other

Ceiling

OSHA

UCC

Other

COMMENTS

Wet insulation with water, wore approved
disposable 3-m Respirators.

WORK BY

G. W. Batt

APPROVED BY

George Hurley

INDUSTRIAL HYGIENE MONITORING FOR

AsbestosTO: MR. Wilson SheltonComputer Ref. W1012CC: MR. G. A. Hurley
MR. H. L. Robinson

PERSON MONITORED

John Hackney

Location

777-101

Date

2-22-80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	<u>1.5 fibers</u>	<u>50 min.</u>	<u>Stripping 3/4" steam</u>
2			<u>line ≈ 60 feet.</u>
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) _____

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA

2 fibers/cc

OSHA

UCC

Other

Ceiling

OSHA

UCC

Other

COMMENTS

Net insulation with water. wore disposable
3-M respirators.

WORK BY

S. W. Bath

APPROVED BY

George Hurley

TO: R. F. Painter, Trlr. 5583
511

Computer Ref. W-1075

CC: C. W. Carman, 725-105
G. F. Hurley, 701-334
L. R. Noble, 511-2149D. R. Paugh, 511-2009
H. L. Robinson, 701-401
E. C. Shipley, 511-2009E. J. Tawney, 55
R. G. Rowe, M.D.
753
R. J. Sexton, M.
51

PERSON MONITORED D. C. Shamblin

Location Bldg. 777 - Room 111 Date 8/18/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	15.4 fibers > 5 $\mu\text{m}/\text{cm}^3$	41 minutes	A.M. Stripping insulation
2	11.3 "	149 minutes	P.M. Stripping insulation
3			and helping with cleaning of area
4			
5			
6			

Time-Weighted Average Concentration (TWA) 4.1 fibers > 5 $\mu\text{m}/\text{cm}^3$
Ceiling Concentration

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 $\mu\text{m}/\text{cm}^3$ OSHA UCC Other
Ceiling OSHA UCC Other

COMMENTS

More water should be used to wet the insulation before stripping. Those stripping and bagging should always wear their disposable dust respirator while in the area and until the cleanup is finished.

WORK BY

Ruth Clise

APPROVED BY

George Hurley

TO: R. F. Painter, Trlr. 5583
511

Computer Ref. W-1076

CC: C. W. Carman, 725-105 D. R. Paugh, 511-2009 E. J. Tawney, 5583
 G. F. Hurley, 701-334 H. L. Robinson, 701-401 R. G. Rowe, M.D., 71
 L. R. Noble, 511-2149 E. C. Shipley, 511-2009 R. J. Sexton, M.D.,
 512

PERSON MONITORED D. C. ShamblinLocation Bldg. 777 - Room 111 Date 8/19/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	14.4 5 $\mu\text{m}/\text{cm}^3$ fibers	125 minutes	P.M. Stripping insulation and cleanup of area.
2			
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) 3.8 fibers > 5 $\mu\text{m}/\text{cm}^3$
 Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 $\mu\text{m}/\text{cm}^3$ OSHA UCC Other
 Ceiling _____ OSHA UCC Other

COMMENTS

The concentration of fibers was as great the second day even though the men had been advised to keep the insulation well watered.

WORK BY

Ruth Clise

APPROVED BY

George Hurley