

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE COPY

TO: D. L. Johnson, 511-5518

Computer Ref. W-1043

CC: C. W. Carman, 725-105
 G. F. Hurley, 701-334
 C. R. Johnson, 511-2009
 L. R. Noble, 511-2149

P. A. Perry, 511-5583
 D. R. Paugh, 511-2009
 H. L. Robinson, 701-401
 E. C. Shipley, 511-2009

PLAINTIFF'S EXHIBIT

UC-2686

PERSON MONITORED F. E. Cobb

Location #1 Powerhouse - Institute Date 4/28/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers > .15 5 $\mu\text{m}/\text{cm}^3$	63 minutes	A.M. - Stripping insulation
2	.37 "	108 minutes	A.M. - Stripping insulation
3	.06 "	30 minutes	P.M. - Stripping insulation
4	.52 "	45 minutes	P.M. - Stripping insulation
5			
6			

Time-Weighted Average Concentration (TWA) .14 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

Stripping insulation from several steam lines on #1 boiler on the first level of #1 Powerhouse at Institute. Mr. Cobb wore a disposable dust respirator and disposable coveralls during the stripping.

Even though part of the insulation being stripped did not contain asbestos, the insulation should be well watered to help control the dust.

WORK BY

Ruth Clise

APPROVED BY

G. Hurley

UCC 024517

INDUSTRIAL HYGIENE MONITORING FOR

ASBESTOS

FILE COPY

TO: D. L. Johnson, 511-5518

Computer Ref. W-1043

CC: C. W. Carman, 725-105
 G. F. Hurley, 701-334
 C. R. Johnson, 511-2009
 L. R. Noble, 511-2149

P. A. Perry, 511-5583
 D. R. Paugh, 511-2009
 H. L. Robinson, 701-401
 E. C. Shipley, 511-2009

PERSON MONITORED T. G. GrantLocation #1 Powerhouse - Institute Date 4/28/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers .43 5 $\mu\text{m}/\text{cm}^3$	58 minutes	A.M. - Bagging insulation
2	.64 "	116 minutes	A.M. - Bagging insulation
3	.34 "	89 minutes	P.M. - Bagging insulation
4			
5			
6			

Time-Weighted Average Concentration (TWA) .27 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

Bagging insulation that had been stripped from several steam lines on #1 boiler on the first level of #1 Powerhouse at Institute. The stripped insulation was placed in plastic bags tagged and placed in a dumpster for proper disposal. Mr. Grant wore a disposable dust respirator and disposable coveralls.

WORK BY

Ruth Clise

APPROVED BY

G. Hurley

UCC 024518

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE COPY

TO: D. L. Johnson, 511-5518

Computer Ref. W-1043

CC: C. W. Carman, 725-105
 G. F. Hurley, 701-334
 C. R. Johnson, 511-2009
 L. R. Noble, 511-2149

D. R. Paugh, 511-2009
 P. A. Perry, 511-5583
 H. L. Robinson, 701-401
 E. C. Shipley, 511-2009

PERSON MONITORED T. L. Jividen

Location #1 Powerhouse - Institute Date 4/28/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers .52 5 $\mu\text{m}/\text{cm}^3$	57 minutes	A.M. - Stripping insulation
2	.62 "	111 minutes	A.M. Stripping insulation
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) Not monitored long enough to
 Ceiling Concentration calculate TWA

ALLOWABLE EXPOSURE

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

OSHA
 OSHA

UCC
 UCC
 Other
 Other

COMMENTS

Stripping insulation from several steam lines on #1 boiler on the first level of #1 Powerhouse at Institute. Sometime during the afternoon, the filter cassette worn by Mr. Jividen was lost so a TWA was not calculated. During the stripping he wore a disposable dust respirator and disposable coveralls.

Even insulation that does not contain asbestos should be watered to help control the dust.

WORK BY

Ruth Cline

APPROVED BY

G. Hurley

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE COPY

TO: D. L. Johnson, 511-5518

Computer Ref. W-1041

CC: C. W. Carman, 725-105
 G. F. Hurley, 701-334
 C. R. Johnson, 511-2009
 D. R. Paugh, 511-2009

P. A. Perry, 511-5583
 C. E. Richardson, 511-2149
 H. L. Robinson, 701-401
 E. C. Shipley, 511-2009

PERSON MONITORED D. K. MilanLocation #1 Powerhouse - Institute Date 4/11/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers > .69 5 $\mu\text{m}/\text{cm}^3$	68 minutes	P.M. - Stripping insulation
2	fibers > 2.72 5 $\mu\text{m}/\text{cm}^3$	27 minutes	P.M. - Stripping insulation
3			
4			
5			
6			

Time-Weighted Average Concentration (TWA) Not monitored long enoughCeiling Concentration to calculate TWA.

ALLOWABLE EXPOSURE

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

COMMENTS

Stripping insulation from #2 boiler front and boiler front duct on second level of #1 Powerhouse at Institute. Mr. Milan wore a disposable Norton dust respirator and disposable coveralls during the stripping. The insulators got in a hurry toward the end of the day and didn't keep the insulation well wetted. This resulted in the last value being higher.

WORK BY Ruth CliseAPPROVED BY G. Hurley

ASBESTOS

FILE COPY

Computer Ref. W-1040

P. A. Perry, 511-5583
C. E. Richardson, 511-2149
H. L. Robinson, 701-401
E. C. Shipley, 511-2009

Location #1 Powerhouse - Date 4/11/80
Institute

	Conc.	Sampling Time	Comments
Sample 1	fibers .48 5 $\mu\text{m}/\text{cm}^3$	60 minutes	A.M. - Stripping insulation
2	fibers 1.24 5 $\mu\text{m}/\text{cm}^3$	84 minutes	A.M. - Stripping insulation
3			
4			
5			
6			

ALLOWABLE EXPOSURE

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

Stripping suspected asbestos containing insulation from #2 boiler front and boiler front duct on second level of #1 Powerhouse at Institute. Mr. Beckett was not monitored in the afternoon because he was transferred to another job. During the stripping he wore a disposable Norton dust respirator and disposable coveralls.

APPROVED BY

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE COPY

TO: D. L. Johnson, 511-5518

Computer Ref. W-1040

CC: C. W. Carman, 725-105
G. F. Hurley, 701-334
C. R. Johnson, 511-2009
D. R. Paugh, 511-2009

P. A. Perry, 511-5583
C. E. Richardson, 511-2149
H. L. Robinson, 701-401
E. C. Shipley, 511-2009

PERSON MONITORED G. H. LandersLocation #1 Powerhouse - Institute Date 4/11/80

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers > .35, 5 $\mu\text{m}/\text{cm}^3$	60 minutes	A.M. - Stripping insulation
2	fibers > .42 5 $\mu\text{m}/\text{cm}^3$	105 minutes	A.M. - Stripping insulation
3	fibers > .09 5 $\mu\text{m}/\text{cm}^3$	80 minutes	P.M. - Stripping insulation
4	fibers > .65 5 $\mu\text{m}/\text{cm}^3$	38 minutes	P.M. - Stripping insulation and cleaning area.
5			
6			

Time-Weighted Average Concentration (TWA) 0.2 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

Stripping suspected asbestos containing insulation from #2 boiler front and boiler front duct on second level of #1 Powerhouse at Institute. The last sample of the day was the highest concentration found. This may be attributed to the fact that they got in a hurry and didn't keep the insulation well wetted. Mr. Landers wore a disposable Norton dust respirator, and disposable coveralls during the stripping.

WORK BY Ruth CliseAPPROVED BY G. Hurley

FILE COPYINDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

TO: D. L. Johnson, 511-5518

Computer Ref. W-1040CC: C. W. Carman, 725-105
G. F. Hurley, 701-334
C. R. Johnson, 511-2009
D. R. Paugh, 511-2009P. A. Perry, 511-5583
C. E. Richardson, 511-2149
H. L. Robinson, 701-401
E. C. Shipley, 511-2009PERSON MONITORED D. K. NaylorLocation #1 Powerhouse - Date 4/11/80
Institute

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers > .35 5 $\mu\text{m}/\text{cm}^3$	60 minutes	A.M. - Bagging insulation
2	fibers > .81 5 $\mu\text{m}/\text{cm}^3$	105 minutes	A.M. - Bagging insulation
3	fibers > .18 5 $\mu\text{m}/\text{cm}^3$	87 minutes	P.M. - Bagging insulation
4	fibers > .06 5 $\mu\text{m}/\text{cm}^3$	49 minutes	P.M. - Bagging insulation and cleaning area
5			
6			

Time-Weighted Average Concentration (TWA) 0.3 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

Bagging insulation that had been stripped from #2 boiler front and boiler front duct on second level of #1 Powerhouse at Institute. Mr. Naylor wore a disposable Norton dust respiratory and disposable coveralls during the bagging and cleanup. The insulation was placed in plastic bags for disposal and dropped from the second level to a truck below. At this point the full bags should be handled carefully. It is suggested that they could be lowered on a rope to prevent the bags from splitting.

WORK BY Ruth CliseAPPROVED BY G. Hurley