FILE COPY

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

TO: D. L. Johnson, 511-5518 Computer Ref. W-1043

PLAINTIFF'S EXHIBIT
UC-2686

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 F. E. Cobb

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

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	fibers > .15 5 µm/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 µm/cm^3

Ceiling Concentration

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 µm/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 Cline

APPROVED BY G. Hurley

UCC 024517

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

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E. C. Shipley, 511-2009

PERSON MONITORED T. G. Grant

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

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	.43 fibers > 5 μm/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 μm/cm^3

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 μm/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

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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 μm/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 calculate TWA
Ceiling Concentration

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 μm/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. 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

UCC 024519

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

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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. Milan

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

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	.69 fibers > 5 µm/cm^3	68 minutes	P.M. - Stripping insulation
2	2.72 fibers > 5 µm/cm^3	27 minutes	P.M. - Stripping insulation
3			
4			
5			
6			

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

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 µm/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 Clise

APPROVED BY G. Hurley

UCC 024520

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 B. M. Beckett

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

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	.48 fibers > 5 μm/cm³	60 minutes	A.M. - Stripping insulation
2	1.24 fibers > 5 μm/cm³	84 minutes	A.M. - Stripping insulation
3			
4			
5			
6			

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

Ceiling Concentration

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 μm/cm³ (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. 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.

WORK BY Ruth Cline

APPROVED BY G. Hurley

UCC 024521

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

FILE 09?

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. Landers

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

EXPOSURE RESULTS

	Conc.	Sampling Time	Comments
Sample 1	.35 fibers > 5 μm/cm^3	60 minutes	A.M. - Stripping insulation
2	.42 fibers > 5 μm/cm^3	105 minutes	A.M. - Stripping insulation
3	.09 fibers > 5 μm/cm^3	80 minutes	P.M. - Stripping insulation
4	.65 fibers > 5 μm/cm^3	38 minutes	P.M. - Stripping insulation and cleaning area.
5			
6			

Time-Weighted Average Concentration (TWA) 0.2 fibers > 5 μm/cm^3

Ceiling Concentration _____

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 μm/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 Clise

APPROVED BY G. Hurley

UCC 024522

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H. L. Robinson, 701-401
E. C. Shipley, 511-2009

PERSON MONITORED D. K. Naylor

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

EXPOSURE RESULTS

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

Time-Weighted Average Concentration (TWA) 0.3 fibers > 5 μm/cm^3

Ceiling Concentration

ALLOWABLE EXPOSURE

TWA 2 fibers > 5 μm/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 Cline

APPROVED BY G. Hurley

UCC 024523

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