

INDUSTRIAL HYGIENE MONITORING FOR ASBESTOS

TO: D. L. Johnson, 511-5518

Computer Ref. W-1043CC: C. W. Carman, 725-105  
G. F. Hurley, 701-334  
C. R. Johnson, 511-2009  
L. R. Noble, 511-2149D. R. Paugh, 511-2009  
P. A. Perry, 511-5583  
H. L. Robinson, 701-401  
E. C. Shipley, 511-2009PERSON MONITORED T. L. JividenLocation #1 Powerhouse - Institute Date 4/28/80

## EXPOSURE RESULTS

|          | Conc.                                       | Sampling Time | Comments                    |
|----------|---------------------------------------------|---------------|-----------------------------|
| Sample 1 | fibers }<br>.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                                 

|             |     |       |
|-------------|-----|-------|
| <u>OSHA</u> | UCC | Other |
| 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 CliseAPPROVED BY G. Hurley

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E. C. Shipley, 511-2009PERSON MONITORED F. E. CobbLocation #1 Powerhouse - Institute Date 4/28/80

## EXPOSURE RESULTS

|          | Conc.                                     | Sampling Time | Comments                    |
|----------|-------------------------------------------|---------------|-----------------------------|
| Sample 1 | fibers<br>.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. F. Hurley

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E. C. Shipley, 511-2009PERSON MONITORED T. G. GrantLocation #1 Powerhouse - Institute Date 4/28/80

## EXPOSURE RESULTS

|          | Conc.                                       | Sampling Time | Comments                  |
|----------|---------------------------------------------|---------------|---------------------------|
| Sample 1 | fibers ><br>.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