



INTERNAL CORRESPONDENCE

PLAINTIFF'S EXHIBIT

UC-2689

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CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Mr. D. L. Johnson
Division 511-5518
Location Institute Plant

Date January 22, 1980

Originating Dept Technical Center IH/EP

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Subject Asbestos Monitoring - No. 1
Powerhouse, Institute Plant

PROJECT

Determine the exposure of Construction employees to asbestos during the stripping of old insulation from #1 boiler at the #1 Powerhouse, Location 512.

DATE OF SURVEY

January 15, 1980

SUMMARY

Although asbestos exposures to employees were higher than normal, the use of approved respirators and protective clothing as well as proper stripping and disposal procedures protected the workers from a potentially hazardous situation.

DISCUSSION

Construction insulators are in the process of stripping several thousand feet of old asbestos type insulation from the steam boilers at the #1 Powerhouse, Location 512. The job will be in progress for the next two years and will involve many crafts before completion.

The area to be stripped was barricaded, labeled and persons doing the work were protected by the use of approved respirators, disposable coveralls and gloves. They are required to wear hard hats while in this area.

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Four personal samples were collected as well as area samples on the first three floors of #1 boiler, north side. The results are listed in the attached "RESULTS". Although the results of two personal samples are greater than the OSHA standard of 2 fibers, the workers were protected.

RECOMMENDATIONS

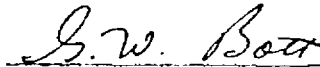
1. Bags of stripped insulation should be handled carefully, not dropped from one level to another.
2. Cleanup should be thorough and inspected by Construction supervisor for completeness. Complaints can be easily generated by powerhouse employees or other workers in the area.
3. Protective clothing should be discarded in plastic bags along with the insulation.

REFERENCES

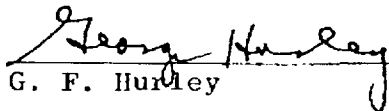
Volume 38C-29X4-R1a Asbestos, Dust Determination by Membrane Filter Technique Using Phase Contrast Microscopy

REPORT PREPARED BY

G. W. Bott
Technical Center Industrial Hygiene Group



APPROVED BY


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GWB/sc

Attachment

RESULTS

<u>DATE</u>	<u>SAMPLE TYPE</u>	<u>TIME (MIN.)</u>	<u>ASBESTOS FIBERS FOUND</u>	<u>TWA</u>	<u>REMARKS</u>
1/15/80	G.H. Landers	60	4.4	3.3	Stripping insulation
1/15/80	M.E. Drake	60	3.2	2.4	Laborer
1/15/80	J.F. Chandler	60	1.5	1.1	Stripping insulation
1/15/80	T.G. Grant	45	1.6	1.2	Laborer
1/15/80	Third Level	70	0.4	-	Directly above work area
1/15/80	Second Level	60	0.8	-	Center of work area
1/15/80	First Level	72	0.03	-	Directly below work area

TWA was calculated assuming that stripping was done for six hours out of eight.