

ENVIRONMENTAL/IND. HYGIENE	
DATE: 1-17-88	NAME: A. J. Schmit
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INTEROFFICE MEMO

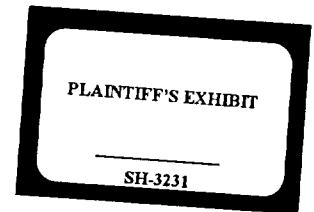
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January 13, 1988

TO: Ken Dessert - Capital
 FROM: Bill Smithson
 RE: Asbestos Monitoring Results



Industrial hygiene monitoring was conducted with your personnel during the months of December and January. The purpose of the monitoring was to determine employee exposures to asbestos during insulation removal activities on Column C-725 and Exchanger E-745 located at the "G" Plant Demolition Project.

As summarized in the Attachments, personal and area air sampling results were within the Occupational Safety and Health Administration (OSHA) permissible exposure limits. A review of the sampling data sheets indicated proper protective clothing and respiratory protection were worn by the employees during the monitoring period. A removal encapsulant (BWE-5000) was used in place of amended water for this removal project.

According to the OSHA regulations you must communicate the report to the affected employees and I would encourage posting of the report in an area accessible to other similar craft personnel for their review also.

If you have any questions concerning this report, call me at 476-6917.

WJS:kc

Attachments

cc: Allen Schmit - Shell Industrial Hygienist
 Jerry Stallings - Maintenance

LAM 006400

DPMC-18265

BROWN & ROOT U.S.A., INC.
 ASBESTOS MONITORING RESULTS
 SHELL DEER PARK MANUFACTURING COMPLEX

AREA: "G" AREA

JOB ACTIVITY: (1) Removed Insulation ACM from Column
 C-725, (2) Kept ACM Wet During Removal,
 (3) Bagged ACM from Same, (4) Area Sample
 Downwind; Removal Encapsulant Used During
 Removal.

NAME	SOC. SEC. NUMBER	JOB TITLE	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	CALCULATED 8 HOUR TWA
(1) Insulator		Insulator	12-30-87	350	0.008	0.006
(2) Insulator		Insulator	12-30-87	350	0.010	0.007
(3) Insulator		Insulator	12-30-87	350	<0.006	
(4) Area Sample 20' Downwind at Perimeter			12-30-87	435	<0.005	
(1) Insulator		Insulator	12-31-87	370	0.050	0.038
(2) Insulator		Insulator	12-31-87	370	0.060	0.046
(3) Insulator		Insulator	12-31-87	370	0.010	0.008
(4) Area Sample 25' Downwind at Perimeter			12-31-87	430	<0.005	

DPMC-18266

Permissible Exposure Limit..... 0.2 F/cc

1) Fiber/cc - Fibers Of Asbestos Per Cubic Centimeter Of Air.

BROWN & ROOT U.S.A., INC.
 ASBESTOS MONITORING RESULTS
 SHELL DEER PARK MANUFACTURING COMPLEX

AREA: "G" AREA JOB ACTIVITY: (1) Removed Insulation ACM from Exchanger
 E-745, (2) Kept ACM Wet, (3) Bagged ACM
 from Same, (4) Area Sample Downwind;
 Removal Encapsulant Used.

NAME	SOC. SEC. NUMBER	JOB TITLE	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	CALCULATED 8 HOUR TWA
(1) Insulator			01-11-88	255	0.03	0.016
(2) Insulator			01-11-88	255	0.02	0.010
(3) Insulator			01-11-88	255	0.07	0.040
(4) Area Sample 25' Downwind from E-745			01-11-88	310	0.02	0.010

DPMC-18267

Permissible Exposure Limit..... 0.2 F/cc

- 1) Fiber/cc - Fibers Of Asbestos Per Cubic Centimeter Of Air.