

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

INTEROFFICE MEMO

ENVIRONMENTAL AND HEALTH	
2-3-88 R. J. Schmit	
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PLAINTIFF'S EXHIBIT

SH-3225

TO: Ken Dessert - Capital
FROM: Bill Smithson
DATE: February 2, 1988
RE: Asbestos Monitoring Results

Industrial hygiene monitoring was conducted with your personnel during the BD-2 Asbestos Removal Project. The purpose of the monitoring was to determine employee exposures to asbestos during insulation removal activities on Columns CBD-202, CBD-203, CBD-303, and VBD-402.

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 006358

DPMC-18223

BROWN & ROOT U.S.A., INC.

ASBESTOS MONITORING RESULTS

SHELL DEER PARK MANUFACTURING COMPLEX

BD-2

(1) Removed ACM from Column VBD-402,

(2) Kept ACM Wet from VBD-402,

(3) Cleaned-up Using HEPA Vacuum,

(4) & 5 Area Sample.

NAME	SOC. SEC. NUMBER	JOB TITLE	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	CALCULATED 8 HOUR TWA
(1)		Insulator	01-25-88	380	0.077	
(2)		Insulator	01-25-88	380	0.150	
(3)		Insulator Hlpr.	01-25-88	390	0.095	
(4)	Area Sample 25' From VBD-402		01-25-88	450	0.008	
(5)	Area Sample Inside Breakroom Bldg. #SC57		01-25-88	450	0.020	

DPMC-18224

LAM 006359

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

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

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ASBESTOS MONITORING RESULTS
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AREA: BD-2 JOB ACTIVITY: (1) Removed ACM from CBD-303,
(2) Kept ACM Wet, (3) Bagged ACM,
(4) Area Sample.

NAME	SOC. SEC. NUMBER	JOB TITLE	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	CALCULATED 8 HOUR TWA
(1)		Insulator	01-26-88	385	0.020	
(2)		Insulator Hlpr.	01-26-88	375	0.020	
(3)		Insulator Hlpr.	01-26-88	370	0.060	
(4)		Area Sample Downwind, Ground Level, 25' from Base of Column CBD-303	01-26-88	370	0.007	

DPMC-18225

LAM 006360

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

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

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ASBESTOS MONITORING RESULTS
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AREA: BD-2

JOB ACTIVITY: (1) Removed ACM from Column CBD-203,

(2) Kept ACM Wet from Same, (3) Bagged ACM,

(4) Removed ACM from Column CBD-202,

(5) Bagged ACM, (6) Cleaned Up with HEPA Vacuum,

(7) & (8) Area Sample.

NAME	SOC. SEC. NUMBER	JOB TITLE	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	CALCULATED 8 HOUR TWA
(1)		Insulator	01-26-88	375	0.060	
(2)		Insulator	01-26-88	360	0.030	
(3)		Insulator Hlpr.	01-26-88	335	0.020	
(4)		Insulator	01-26-88	385	0.050	
(5)		Insulator Hlpr.	01-26-88	400	0.010	
(6)		Insulator Hlpr.	01-26-88	375	0.010	
(7)	Area Sample - 20' Down Column from Removal Area at Wash Area		01-26-88	360	<0.006	
(8)	Area Sample - 33' Down Column from Removal Area at Break Area		01-26-88	360	<0.006	

DPMC-18226

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

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

LAM 006361