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BYR

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

INTEROFFICE MEMO



TO: Jerry Stallings - Maintenance Superintendent
Ken Dessert - Capital Superintendent

FROM: Bill Smithson

DATE: January 3, 1989

RE: Asbestos Monitoring Results

Attached are industrial hygiene sampling results for asbestos collected on your personnel performing a variety of activities involving asbestos containing materials. The purpose of the monitoring was to determine short term exposures to asbestos in comparison to the recently established OSHA Excursion Limit of 1 F/cc averaged over a thirty (30) minute period.

According to the OSHA regulation, 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.

BS/pc
Attachments

cc: Wayne Austin - Shell Health & Safety
Jimmy Hearn - SBS Project

LAM 006191

DPMC-18069

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

AREA: FUELS WEST

NAME	SOC.SEC. NUMBER	JOB TITLE	UNIT	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	DESCRIPTION OF WORK
		Insulator	Flasher Demo	12-5-88	30	0.3	Handled bags & kept ACM wet during removal from flange. Equipment temp. 200 Deg. F.
		Insulator	Flasher Demo	12-5-88	30	3.0	Removed ACM from piping flange. Equipment temp. 200 Deg. F.
		Insulator	CSS	12-14-88	30	<.06	Removed exposed ACM from piping.
		Insulator	CSS	12-14-88	30	<.06	Handled bags & kept ACM wet during removal.

Wayne.
 This high fiber count
 Re enforced our contention
 that we can not handle
 asbestos emissions on
 hot equipment effectively
 If we need to discuss
 call me @ 6917 Bill Smith ran

DFMC-18070

LAM 006192

1 Minute Excursion Limit 1 F/cc
 1 Fiber/cc - Fibers of Asbestos Per Cubic Centimeter

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

AREA: FUELS EAST

NAME	SOC.SEC. NUMBER	JOB TITLE	UNIT	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	DESCRIPTION OF WORK
		Insulator	CR-3	12-5-88	30	<.06	Handled bags & kept ACM wet during removal from 1" line
		insulator	CR-3	12-5-88	30	<.06	Removed ACM from 1" line.
		Insulator	ACU	12-8-88	30	<.06	Handled bags & kept ACM wet during removal from 2" line
		Insulator	ACU	12-8-88	30	.08	Removal ACM from 2" line.
		Insulator	ACU	12-9-88	30	<.06	Handled bags & kept ACM wet during removal from piping.
		Insulator	ACU	12-9-88	30	<.06	Removed ACM from piping.

DPMC-18071

LAM 006193

0 Minute Excursion Limit 1 F/cc
) 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: FUELS EAST

NAME	SOC.SEC. NUMBER	JOB TITLE	UNIT	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	DESCRIPTION OF WORK
		Insulator	CR-3	12-12-88	30	<.06	Removal of ACM from piping.
		Insulator	CR-3	12-12-88	30	<.06	Handled bags & kept ACM wet during removal.
		Insulator	CR-3	12-13-88	30	<.06	Removed ACM from piping.
		insulator	CR-3	12-13-88	30	<.06	Handled bags & Kept ACM wet during removal.
		Insulator	DHT	12-14-88	30	<.06	Cold cut piping using air saw. Piping coated with tar wrap impregnated with asbestos.
		Insulator	DHT	12-14-88	30	<.06	Same as above.

DPMC-18072

LAM 006194

30 Minute Excursion Limit 1 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: LPA

NAME	SOC.SEC. NUMBER	JOB TITLE	UNIT	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	DESCRIPTION OF WORK
		Insulator	Wax Plant	12-9-88	30	0.1	Kept ACM wet & bagged ACM from HMP piping.
		nsulator	Wax Plant	12-9-88	30	.09	Removed ACM from HMP piping
		Insulator	Lube Logis Tank Farm	12-9-88	30	.08	Kept ACM wet and bagged ACM from suction line on VA-26.
		Insulator	Lube Logis Tank Farm	12-9-88	30	<.06	Removed ACM from suction line on VA-26.
		nsulator	MVI	12-15-88	30	0.2	Removed ACM from asphalt line. Equipment temp. 115 Deg. F.
		Insulator	MVI	12-15-88	30	<.06	Kept ACM wet & bagged ACM from asphalt line.
		nsulator	Lubes Tank Farm	12-16-88	30	<.06	Kept ACM wet & bagged ACM from piping in rack South of VA-40.
		Insulator	Lubes Tank Farm	12-16-88	30	.06	Removed ACM from piping in rack South of VA-40.

DPMC-18073

0 Minute Excursion Limit 1 F/cc
) Fiber/cc - Fibers of Asbestos Per Cubic Centimeter of Air.

LAM 006195

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

AREA: Olefins

NAME	SOC.SEC. NUMBER	JOB TITLE	UNIT	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	DESCRIPTION OF WORK
		Insulator	OP-2	12-13-88	30	0.1	Removed ACM from 6" steam line.
		Insulator	OP-2	12-13-88	30	0.2	Handled bags of ACM & removed filters from vacuum cleaner.

DPMC-18074

LAM 006196

10 Minute Excursion Limit 1 F/cc
 1) Fiber/cc - Fibers of Asbestos Per Cubic Centimeter of Air.

405 Monterey Street
Contractor: Brown, Root
130320 06/ 04 + 18 / 65 / 64 + 75
1986
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LAM 006190