



Shell Oil Company • Shell Chemical Company
Interoffice Memorandum

1570
PLAINTIFF'S EXHIBIT

SH-3053

JUNE 22, 1987

FROM: W.B. AUSTIN, INDUSTRIAL HYGIENIST II, HEALTH & SAFETY
DEER PARK MANUFACTURING COMPLEX

TO: T.A. ROBERTS, MANAGER, CENTRAL MAINTENANCE
DEER PARK MANUFACTURING COMPLEX

SUBJECT: MONITORING RESULTS

Attached are area and personnel exposure monitoring results for asbestos at Lube Logistics. These results represent long-term or eight-hour time-weighted average (TWA) exposure.

The sampling results may be compared to the following DPMC Exposure Guideline:

Permissible 8 Hr. TWA
Exposure Guideline

Asbestos

0.2 Fiber/cc

Several of these results exceed the DPMC (and OSHA) exposure guideline and indicate the need for more stringent controls and work practices when performing these tasks. Industrial Hygiene should continue to be consulted before beginning any future asbestos removal jobs.

The attached monitoring results should be posted in areas that are accessible to the monitored personnel and others who work the same job.

We appreciate your assistance in this program. If there are any questions, please call me at 7369.

Wayne

W.B. Austin

WBA/md

Attachment

cc: J.W. Clinkscales
H.F. Ely
B.J. Matusek
A.F. Schmit
V.J. Ware
ECB Satellite
WBA Chron

CHBT8717303

ABS-000031

LAM 019220

MONITORING RESULTS FORM

DEPARTMENT/PROCESS: LUBE LOGISTICS JOB DESCRIPTION: INSULATOR (SHELL)

NAME	EMP. NO.	DATE	TIME	SAMPLE RESULTS (F/CC)			SAMPLE PERIOD (MIN)	WORK DESCRIPTION	(1) 8-HR TWA		(2) RESP
				ASBESTOS GUIDE-LINE = 0.2 F/CC	CAL. 8-HR. TWA						

127984	6-5-87	0845 1500	0.51	0.40*	375	Removing asbestos insulation from valves and pipes in fire damaged area. Used 1/2 face dual cartridge respirator (HEPA), disposable coveralls, and gloves.	X	X
127373	6-5-87	0845 1500	0.35	0.27*	375	Removing asbestos insulation from valves and pipes in fire damaged area. Used 1/2 face dual cartridge respirator (HEPA), disposable coveralls, and gloves.	X	X
127984	6-8-87	1000 1500	0.008		300	Removing asbestos insulation from valves and lines in fire damaged area. Used 1/2 face dual cartridge respirator (HEPA), disposable coveralls, and gloves.		

* "0" exposure assigned remainder of shift.
(No additional exposure to asbestos occurred.)

(1) X indicates that the sample result is a measure of the eight-hour time-weighted average exposure.
(2) X indicates that a respirator was worn during the sampling period.

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MONITORING RESULTS FORM

DEPARTMENT/PROCESS: LUBE LOGISTICS JOB DESCRIPTION: INSULATOR (SHELL)

NAME	EMP. NO.	DATE	TIME	SAMPLE RESULTS (F/CC)			WORK DESCRIPTION	(1) 8-HR TWA	(2) RESP
				ASBESTOS GUIDE- LINE = 0.2 F/CC	CAL. 8-HOUR TWA	SAMPLE PERIOD (MIN)			
	127373	6-8-87	1000 1500	0.01		300	Removing asbestos insulation from valves and lines in fire damaged area. Used 1/2 face dual cartridge respirator (HEPA), disposable coveralls, and gloves.		X

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(1) X indicates that the sample result is a measure of the eight-hour time-weighted average exposure.
(2) X indicates that a respirator was worn during the sampling period.

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MONITORING RESULTS FORM

DEPARTMENT/PROCESS:		TUBE LOGISTICS		JOB DESCRIPTION:		AREA SAMPLES			
NAME	EMP. NO.	DATE	TIME	SAMPLE RESULTS (F/CC)		SAMPLE PERIOD (MIN)	WORK DESCRIPTION	(1) 8-HR TWA	(2) RESP
				ASBESTOS GUIDE- LINE = 0.2 F/CC					
Area		6-5-87	0920 1500	0.24		260	Sampler located 10 ft. downwind from area just outside barricade. Crews removing asbestos from valves and lines in fire damaged area.		
Area		6-5-87	0920 1500	<0.009		260	Sampler located 15 ft. southwest of area just outside barricade. Crews removing asbestos insulation from valves and lines in fire damaged area.		
Area		6-8-87	1000 1500	0.20		300	Crew removing asbestos from valves and lines in fire damaged area. Sampler located on barricade downwind of project. All work below ground level.		

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