



Shell Oil Company • Shell Chemical Company
Interoffice Memorandum

724.5
MAINT. NC



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
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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.

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

DPMC-05941

LAM 009512

MONITORING RESULTS FORM

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

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

* "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.

CHBT8717302

DFMC-05942

MONITORING RESULTS FORM

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

SAMPLE RESULTS (F/CC)

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

(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.

CHBT8717302

DFMC-05943

LAM 009514

MONITORING RESULTS FORM

DEPARTMENT/PROCESS:		LUBE 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.		

LAM 009515

CHBT8717302

DPMC-05944



Shell Oil Company • Shell Chemical Company
Interoffice Memorandum

7243

MAY 16, 1987

FROM: H.F. ELY, SENIOR SAFETY INSPECTOR, HEALTH AND SAFETY
DEER PARK MANUFACTURING COMPLEX

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

SUBJECT: ASBESTOS MONITORING RESULTS

Industrial Hygiene was requested to evaluate potential asbestos exposure to crane operators, from the asbestos clutches in the crane cabs, during normal operations.

Attached are personnel sampling results for asbestos on Heavy Equipment Operators. The sampling results can be compared to the eight-hour TWA exposure guideline of 0.2 fibers/cc of air. All samples were well below the applicable exposure limit.

These results should be posted in an area accessible to all crane operators.

H.F. Ely
H.F. Ely

HFE/md

Attachment

cc: W.B. Austin
E.M. Ratley
A.F. Schmit
ECB Satellite
HFE Chron

CHBT8713302

DPMC-05945

LAM 009516

MONITORING RESULTS FORM

DEPARTMENT/PROCESS: MAINTENANCE CENTRAL JOB DESCRIPTION: HEAVY EQUIPMENT OPERATOR

NAME	EMP. NO.	DATE	TIME	SAMPLE RESULTS (F/CC)				SAMPLE PERIOD (MIN)	WORK DESCRIPTION	(1) 8-HR TWA	(2) RESP
				ASBESTOS							
				GUIDE- LINE =	GUIDE- LINE =	GUIDE- LINE =	GUIDE- LINE =				
				.2 F/CC							
		4-13-87	0730 1500	<.005			450	Normal crane operating duties plus moved crane from Complex South to Complex North.	X		
		4-13-87	0730 1500	<.006			450	Operating crane to handle material and personal basket to raise and lower workers at job site.	X		
		4-14-87	0730 1515	<.005			465	Friction crane operator at DU-2 shutdown. No asbestos at job site. Possible source of exposure from asbestos brakes and clutches.	X		
		4-14-87	0730 1500	<.005			450	Friction crane operator.	X		
		4-16-87	0730 1500	<.005			450	Operating crane to handle material.	X		

DPMC-05946

- (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: DPMC NORTH JOB DESCRIPTION: INSULATOR (BROWN & ROOT)

NAME	SSN	DATE	TIME	SAMPLE RESULTS (F/cc)			WORK DESCRIPTION	(1) 8-HR TWA	(2) RESP
				ASBESTOS GUIDE- LINE = 2.0 F/CC	CALC. 8 HOUR TWA =	SAMPLE PERIOD (MIN)			
		12-17-86	0800 1520	0.04	0.03*	390	Removed asbestos insulation from piping in PX Unit.	X	X
		12-17-86	0801 1520	0.04	0.03*	379	Removed asbestos insulation from piping in PX Unit.	X	X
		12-17-86	0802 1520	0.01	<0.01*	378	Removed asbestos insulation from piping in PX Unit.	X	X

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

DPMC-05947

(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

CHBT8701610