



DOW CHEMICAL U.S.A.

ST0175012

LOUISIANA DIVISION
PLACEMINE LOUISIANA 70764
534 587-4321

LOCATION: CHLORINE CELL SERVICE - 2603 BLDG.

ENVIRONMENTAL HEALTH REPORT

ASBESTOS SURVEY
CHLORINE CELL SERVICE

FILE NO. 102-13-1
DATE 1-13-75
AUTHOR Dannie Kennedy
CHECKED Charles E. Halphen
DATE *Charles E. Halphen* 1-17-75

SUMMARY

Surveyed diaphragm drawing area for asbestos exposure while mixing asbestos slurry. The results were all within the O.S.H.A. time weighted average limits for an eight-hour shift of 5 fibers per cc greater than 5 microns in length and also within Dow's limits of 2 fibers per cc. The highest reading recorded was 0.46 fibers per cc.

Operators must be made aware of the survey results and the hazards of handling asbestos. The proper use and importance of protective respiratory equipment should be re-emphasized. The MSA Comfo Respirator (Type BM 2301) with the dust filter is required when handling asbestos.

DISTRIBUTION

J. W. Bristol B. 2304
G. W. Daigre B. 2501
E. D. Campbell B. 2601
E. P. Edwards B. 3701
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H. J. Didier B. 2601

H. R. Hoyle - 1707 Bldg. - Midland
F. D. Axe - Pittsburg
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C. L. Sercu - Cleveland
R. L. Daniel - B-101 - Freeport
File (2)

AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY



PLAINTIFF'S EXHIBIT

DOW-882

CHLORINE CELL SERVICE

Caught four samples at cell service in the diaphragm drawing area during normal asbestos slurry mixing cycle, using the Bendix pump set at 2 liters per minute, to determine the amount of asbestos exposure and whether or not the venting system was working properly.

More question

The first sample was a breathing zone personnel sample taken during dumping of dry asbestos from bag into the mix tank. The dumping operation is within a vented hood area. No detectable fiber greater than 5 microns in length were detected in this sample.

The second sample was a 10 minute sample taken from the desk area which is some twelve feet from the mix tank. This sample contained 0.11 fibers per cc greater than 5 microns in length.

The third, an eighteen minute sample, caught at the top of the mix tank contained .061 fibers per cc greater than 5 microns in length.

The fourth sample was a two minute sample caught at the mix tank vent system scrubber. The sample was taken two minutes after dumping asbestos into the mix tank. The sample contained 0.46 fibers per cc greater than 5 microns in length.

These samples are well within the O.S.H.A. time weighted average limits for an eight-hour shift of 5 fibers per cc greater than 5 microns in length and also within Dow's limits of 2 fibers per cc which indicate that the entire system is working satisfactorily.

Personnel must be made aware of the monitoring results and the hazards of handling asbestos. The proper use and importance of proper protective respiratory equipment should be re-emphasized. The MSA Comfo Respirator (Type 3M 2301) with the dust filter is required when handling asbestos.

ST9175013

JOB NO. _____

STO175014

CHARGE NO. _____

FILE NO. _____

SUBJECT Asbestos Cell Service & CATBY NVCDATE April 2, 1975

SHEET _____ OF _____

CHECKED BY NVC

SAMPLE DESCRIPTION + DATE		No of Passes	Particles > 25 μ	FIBERS 5 μ -10 μ	FIBER > 10 μ
#1 Cell Service - CA, before long time raining asbestos with asbestos and present time on cells. 08:40 - 12:40 2.2 l/min		1X1		144 = 288	102 = 20
#2 Cell Service - CA, before with one raining asbestos with H ₂ O and present into cells on 14A series (7M asbestos) 03:00 - 04:10 1.9 l/min		1X1		39 = 78	38 = 76
4-2-75 #3 Cell Service Drawing Area - C.T. area Dominguez. Raining asbestos in add vat on drawing area and handling asbestos sacks. Four dump trucks 08:10 - 14:00 1.9 l/min 3X4 SQUARE		1X1		45 = 90	50 = 10
4-2-75 #4 Cell Service - Drawing Area Stationary Sample - tap on cells behind add vat. Four dump trucks to add vat 08:15 - 15:00 1.95 l/min		1X1		28 = 56	8 = 16
4-2-75 #5 Cell Service - C. young. Center of vat raining & applying to cells. 10:00 - 13:00 1.95 l/min		1X1		137 = 274	413 = 82
4-3-75 #6 Cell Service - Stationary sample on asbestos storage area. 10:00 - 13:00 2 l/min		1X1		25 = 50	77 = 154
4-10-75 #7 Cell Service - Stationary sample on asbestos vent scrubbers. 12:00 - 15:45 1.9 l/min		1X1		22 = 44	9 = 18
4-10-75 #8 Cell Service - Stationary sample at rope cutting area. 08:30 - 12:00 1.9 l/min		1X1		26 = 52	53 = 11
4-11-75 #9 Cell Service - CA, E. Manchester general work area 09:30 - 13:45 1.05 l/min		1X1		41 = 82	123 = 24
4-11-75 #10 Cell Service - CA, Dan Quilley Furnace in general work area. 09:30 - 13:45 1.05 l/min		1X1		47 = 94	75 = 15
4-14-75 #11 Cell Service - Lee Construction General work area in area 06:30 - 14:00 1.0 l/min		1X1		70 = 140	35 = 7

OS NO _____

CHARGE NO _____

SUBJECT _____

AUTH. NO _____

FILE NO. _____

BY DIC

DATE April 21, 75

SHEET _____ OF _____

CHECKED BY _____

SAMPLE DESCRIPTION + DATE	No. of Passes	Particles > 25 μ	FIBERS 5 μ - 10 μ	FIBERS > 10 μ
#12 Cell Service - CA, Lathum 1/1 Sealant - 10 ²⁰ - 14 ²⁰ <u>1/1</u> 4-15-75 /square				
#13 Cell Service Supervisor - Jai Fma General Area 10 ²⁰ - 14 ²⁰ 4-15-75 1.95 l/min /square	1/1		43 = 56	20 = 40
#14 Cell Service - CA, Dan Martin Foreman, general work area. 10 ²⁰ - 14 ²⁰ 4-15-75 1.8 l/min /square	1/1		72 = 144	39 = 78
#15 Cell Service - CA, Larry Thomas Labored - running asbestos with Sealant - Flaming in cells -3-9-75 10 ²⁰ - 10 ²³ /square	1/1		76 = 152	52 = 112
#16 Cell Service CA, G. L. J. J. J. Labored - mixing G. L. J. J. J. with Sealant - Flaming in cells -3-13-75 10 ²⁰ - 10 ²³ /square	1/1		276 = 540	261 = 522
/square				
/square				
/square				
/square				
/square				
/square				

ST0175015

copy on 17 13
Dannie Kennedy

Asbestos Count - Cell Service & CA,

#1 $\frac{496 \times 92}{270 \times 2000}$.09507

#2 $\frac{154 \times 92}{70 \times 1900}$.10653

#3 $\frac{190 \times 92}{360 \times 1950}$.02490

#4 $\frac{72 \times 92}{420 \times 1950}$.00809

#5 $\frac{1100 \times 92}{180 \times 1950}$.28832

#6 $\frac{204 \times 92}{180 \times 2000}$.05213

#7 $\frac{62 \times 92}{215 \times 1900}$.01396

#8 $\frac{168 \times 92}{240 \times 1900}$.03389

#9 $\frac{328 \times 92}{270 \times 1950}$.05731

#10 $\frac{211 \times 92}{255 \times 1900}$.04633

#11 $\frac{280 \times 92}{280 \times 1900}$.03632

#12 Void —

#13 $\frac{126 \times 92}{270 \times 1950}$.02477

#14 $\frac{222 \times 92}{360 \times 1800}$.03152

ST0175016