

CELL SERVICE ASBESTOS SAMPLE RESULTS 1988

DATE	SAMPLE#	PERSONNEL	DESCRIPTION	DUR(MIN)	VOLUME(L)	FIB/CC;5MICRON	8-HR TWA FIB/CC PLANT
08/16/88	8408		TEXAS-LA TANK SAMPLING FOR ASBESTOS-WASHED TANK	300	1035.000	0.010	0.010 CELL SERVICE
06/24/88	8480		BULK TILE FOR ANALYSIS-RESULT NEGATIVE-CELLULOSE	0	0.000	0.000	0.000 CELL SERVICE
06/24/88	8480		BULK ID TILE SAMPLE 8480-A;NEG. RESULT-CELLULOSE	0	0.000	0.000	0.000 CELL SERVICE

8-HR TLV LIMIT: 0.2 fib/cc

Jackie Paul
 Gen Hygiene
 8/31/88

810702018

DO A 110430
 CONFIDENTIAL



7979 GSRI AVE. • BATON ROUGE, LA 70820

DOW CHEMICAL COMPANY
Plaquemine, Louisiana 70764

June 28, 1988

Two (2) bulk insulation samples were received from Dow Chemical Company on June 27, 1988, for asbestos content and identification. These samples were analyzed via Polarized Light Microscopy (PLM).

<u>Sample Identification</u>	<u>Results</u>	<u>Percent Content</u>
08480-A	Negative	Cellulose - 20-30% Non-Fibrous Material Balance
08480	Negative	Cellulose - 1-3% Non-Fibrous Material Balance


Philip W. West, Ph.D.
Laboratory Director

DO A 110431
CONFIDENTIAL

ST0702020



7979 GSRI AVE. • BATON ROUGE, LA 70820

ASBESTOS CONTENT AND IDENTIFICATION ANALYSIS

for

DOW CHEMICAL COMPANY
Louisiana Hwy 1
Plaquemine, Louisiana 70764

ATTENTION: Ms. Jackie Paul

June 28, 1988

lab

88-4147

DO A 110432
CONFIDENTIAL

S10702019

Block 56 Person or Area Monitored Texas-LA TANK ? Sample ^{#599} No 08408
Monitoring for ASBESTOS Employee ID # ? Job Classification _____
Type Sample: ☐ Personnel ☐ Area ☐ Excursion ☒ Other TANK Date 8/16/88
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities:
Washed TANK Down with water, Blowed TANK Down By
MOVING AIR HOSE AROUND IN TANK (4) Times almost
Time Started 6:15 AM ^{30 min.} Nauchly
Time Stopped 11:15 AM
Beginning Flow Rate 3.5 L/min Respirator used ☐ Yes ☐ No Type? MST# 108125
Ending Flow Rate 3.4 L/min Wind, Temp. and Humidity 490 fibers
Calibration Check Prior to Monitoring? ☒ Yes ☐ No
Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter
NOTE: Job description must be concise and complete. Form filled in by Dean Walter

LOUISIANA DIVISION INDUSTRIAL HYGIENE
10352

ST0702017

Block 56 Person or Area Monitored _____ Sample No 08480
Monitoring for Asbestos Employee ID # _____ Job Classification Am. 8410A
Type Sample: ☐ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 6/24/88
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities:
Please ANALYZE These Two Samples They
ARE FROM Two Groups OF FLOOR
Time Started _____
Time Stopped _____
Beginning Flow Rate _____ Respirator used ☐ Yes ☐ No Type? _____
Ending Flow Rate _____ Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☐ Yes ☐ No
Calibration: ☐ Bubblemeter ☐ Rotometer
☐ Other _____
NOTE: Job description must be concise and complete. Form filled in by Dean Walter



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702016

Block 56Person or Area Monitored F-509 (scrubber)Sample No #544Monitoring for ASBESTOS

Employee ID # _____

Job Classification _____

08399

Type Sample: ☐ Personnel ☐ Area ☐ Excursion ☒ Other Equipment Date 5/18/88

Other Chemicals Present: _____

Description of task performed during monitoring period including any unusual activities _____

Time Started 0700 AMThis sample was placed EAST OF F-509 IN CABLE TRAY approx 4' WITH sample placed in horizontal position. "Note" F-509 HAS A "REFLECT COVER". Personnel Dumped 1 Time "25min".Time Stopped 1100 AM(PLEASE RUN A (SEM ON THIS SAMPLE) X request withdrawnBeginning Flow Rate 3.3 1/4Respirator used ☐ Yes ☐ No

Type? _____

Ending Flow Rate 2.9 1/4

744.0

Wind, Temp. and Humidity _____

Calibration Check Prior to Monitoring? ☒ Yes ☐ NoCalibration: ☐ Bubblemeter ☐ Rotometer☒ Other Flow meter

.025

(18637 total fibers)

NOTE: Job description must be concise and complete.

Form filled in by Dean Walker

LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702055

Block 56Person or Area Monitored EUGENE DOMINGUE JR.Sample No # 2

08483

Monitoring for ASBESTOSEmployee ID # 436-41-6283Job Classification CONTRACTType Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 5/4/88

Other Chemicals Present: _____

Description of task performed during monitoring period including any unusual activities _____

Time Started 4:00 PM3HR 30MIN Repairing Cathodes, Lunch + BREAK 50minTime Stopped 12:00 noon3HR 40 MIN. mining Pulp using "Experimental DeBagger"Beginning Flow Rate 2.0 1/4Respirator used ☒ Yes ☐ NoType? CONFOE with Appl. FiltersEnding Flow Rate 2.0 1/4

960.000

Wind, Temp. and Humidity _____

Calibration Check Prior to Monitoring? ☒ Yes ☐ NoCalibration: ☐ Bubblemeter ☐ Rotometer☒ Other Flow meter

0.08

NOTE: Job description must be concise and complete.

Form filled in by Dean Walker

LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702054

DO A 110434
CONFIDENTIAL

Block 56 Person or Area Monitored ASBESTOS ROOM Sample Nº 08484
Monitoring for ASBESTOS Employee ID # _____ Job Classification _____
Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____ Date 5/4/88
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
NORTH OF WEST DOOR IN Pearlino
PERSONNEL WORKING IN AREA DUMPED 30min mixed pulp 3^{HR} 40^{min}
Time Started 6:00^{AM} 9:30^{AM} USING EXPERIMENTAL DEBAGGER
Time Stopped 12:30 PM 480
Beginning Flow Rate 2.04/m Respirator used ☐ Yes ☐ No Type? _____
Ending Flow Rate 1.94/m 936.0 Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☐ Yes ☐ No
Calibration: ☐ Bubblemeter ☐ Rotometer 0.04 f/cc
☒ Other Flow meter 4198
NOTE: Job description must be concise and complete. Form filled in by Dean Walters



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST 0702053

Block 56 Person or Area Monitored ASBESTOS ROOM Sample Nº 08486
Monitoring for ASBESTOS Employee ID # _____ Job Classification _____
Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____ Date 5/9/88
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
THIS SAMPLE WAS SET ON WEST WALL NORTH OF DOOR
IN Pearlino. PERSONNEL DUMPED (2) Times 50 min
PERSONNEL DUMP mixed Pulp 4 hr
EXPERIMENTAL DEBAGGER "WAT" used.
Time Started 6:00 AM 480
Time Stopped 2:00 PM
Beginning Flow Rate 2.04/m Respirator used ☐ Yes ☐ No Type? _____
Ending Flow Rate 1.94/m 936.0 Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☐ Yes ☐ No
Calibration: ☐ Bubblemeter ☐ Rotometer 0.05 f/cc
☒ Other Flow meter 46593
NOTE: Job description must be concise and complete. Form filled in by Dean Walters



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST 0702052

Block 56 Person or Area Monitored ASBESTOS ROOM Sample No 08487
 Monitoring for ASBESTOS Employee ID # _____ Job Classification _____
 Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____ Date 5/9/88
 Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities Sample SOUTH EAST OF EXPERIMENTAL DEBAGGER
ONLY POST
IN CONTAINER - PERSONNEL DUMPED (2) TIMES 50 MIN
 Time Started 6:00 AM Personnel mixed Pulp 4 HR
 Time Stopped 2:00 PM Experimental Debagger "WAS NOT USED"
 Beginning Flow Rate 2.0 L/min Respirator used ☐ Yes ☐ No Type? _____
 Ending Flow Rate 2.0 L/min 960.0 Wind, Temp. and Humidity 48064
 Calibration Check Prior to Monitoring? ☐ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer 0.05 f/cc
☒ Other Flow meter
 NOTE: Job description must be concise and complete. Form filled in by Dean Walters

Block 56 Person or Area Monitored E. MALVERN Sample No 08488
 Monitoring for ASBESTOS Employee ID # 439-56-2213 Job Classification Contractor
 Type Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 5/9/88
 Other Chemicals Present: 480 Description of task performed during monitoring period including any unusual activities 50 lunch + BREAK 2 HR RAN F503 FILTER
2 HR 40 min HAULED ASBESTOS FROM C/2 TO CELL SERVICE
 Time Started 6:00 AM 2 HR 30 min HAULED ASBESTOS OFF TRAILER
 Time Stopped 2:00 PM
 Beginning Flow Rate 2.0 L/min Respirator used ☒ Yes ☐ No Type? CONFO II
 Ending Flow Rate 2.0 L/min 960.0 Wind, Temp. and Humidity 18752
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer 0.01
☒ Other Flow meter
 NOTE: Job description must be concise and complete. Form filled in by Dean Walters

DO A 110436
CONFIDENTIAL

Block 56 Person or Area Monitored Craig Collier Sample ^{#2} No 08489
 Monitoring for Asbestos Employee ID # 432978 Job Classification ST
 Type Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other Date 5/10/88
 Other Chemicals Present: Description of task performed during monitoring period including any unusual activities
50 min Lunch + Break
7 min Drawing Cathodes
 Tim Started 6:00 am (480)
 Tim Stopped 2:00 PM
 Beginning Flow Rate 2.4 fpm Respirator used ☐ Yes ☒ No Type?
 Ending Flow Rate 2.0 fpm 960.000 Wind, Temp. and Humidity
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter 0.02 f/cc 15694
 NOTE: Job description must be concise and complete. Form filled in by Dean Walters

ST0702048



LOUISIANA DIVISION INDUSTRIAL HYGIENE

Block 56 Person or Area Monitored Nolan Williams Sample ⁸⁰⁵ No 08398
 Monitoring for Asbestos Employee ID # 436-56-16612 Job Classification Contract
 Type Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other Date 5/10/88
 Other Chemicals Present: Description of task performed during monitoring period including any unusual activities
50 min Lunch + Break
50 min Dumped Asbestos (Worked in DeBryck Room)
6 min. minutes Cathode work up
 Tim Started 6:00 am (480)
 Time Stopped 2:00 PM
 Beginning Flow Rate 2.0 fpm Respirator used ☒ Yes ☐ No Appr. Type? Centra II
 Ending Flow Rate 1.8 fpm 912.0 Wind, Temp. and Humidity
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter 0.07 f/cc
 NOTE: Job description must be concise and complete. Form filled in by Dean Walters

ST0702049



LOUISIANA DIVISION INDUSTRIAL HYGIENE

DO A 110437
 CONFIDENTIAL

Block 56 Cell ServiceMonitoring for ASBESTOS

Other Chemicals Present:

Time Started 9:50 AMTime Stopped 1:50 PMBeginning Flow Rate 4.0 L/minEnding Flow Rate 3.8 L/minCalibration Check Prior to Monitoring? ☒ Yes ☐ NoCalibration: ☐ Bubblemeter ☐ Rotometer☒ Other Flow meter

NOTE: Job description must be concise and complete.



LOUISIANA DIVISION INDUSTRIAL HYGIENE

Person or Area Monitored D-517

Employee ID # _____ Job Classification _____

Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____

Description of task performed during monitoring period including any unusual activities _____

D-517 WAS WET DOWN WITH WATER AT APPROX. 9:45 AM. THE
SAMPLE - TAPED ON A STICK WAS PUT INTO D-517 APPROX.
2 1/2 FEET THROUGH THE 8" SUCTION NOLE IN THE EAST SIDE OF
TANK WITH SAMPLE STARTED DOWN. AIR WAS BLOWN INTO TANK VIA OF
AIR HOSE AT THIS TIME FOR APPROX 30 SECONDS 10:00 AM 11:00 AM 12:00 PM 1:00 PMRespirator used ☐ Yes ☒ No

Type? _____

Wind, Temp. and Humidity _____

0.03 FIBERS/CCForm filled in by Dean Walters

ST0702047

Block 56Monitoring for Asbestos

Other Chemicals Present:

Time Started 7:00 AMTime Stopped 11:00 AMBeginning Flow Rate 4 L/minEnding Flow Rate 3.8 L/minCalibration Check Prior to Monitoring? ☒ Yes ☐ NoCalibration: ☐ Bubblemeter ☐ Rotometer☒ Other Flow meter

NOTE: Job description must be concise and complete.



LOUISIANA DIVISION INDUSTRIAL HYGIENE

Person or Area Monitored C-507 DW VACUUM COMPRESSOR

Employee ID # _____ Job Classification _____

Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☒ Other EQUIPMENT

Description of task performed during monitoring period including any unusual activities _____

THIS SAMPLE WAS PLACED APPROX. 2 FEET ABOVE VACUUM COMPRESSOR
EXHAUST WITH SAMPLE HORIZONTAL OF EXHAUST. "NOTE" 2 CATHODES
WAS DRAWN"Respirator used ☐ Yes ☒ No

Type? _____

Wind, Temp. and Humidity _____

Form filled in by Dean Walters

ST0702046

#599

NO

08397

Date 5/18/88

Unable to analyze

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service

8-HR TWA Limit = 0.20 f/cc

Page 1 of 4

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR T FIBERS
5/4/88	08483	* Personnel - Laborer #436-41-6283 3 hr 30 min repairing cathodes, 3 hr 40 min mixing pulp using experimental debagger.	480	960.0	0.08	0.08
5/4/88	08484	Area - Asbestos Room North of West door in pearling; personnel working in area; dumped asb. 30 min; mixed pulp 3 hr. 40 min. using experimental debagger.	480	936.0	0.04	0.04
5/9/88	08486	Area - Asbestos Room This sample was set on West wall north of door in pearling; personnel dumped asb. 2 times 50 min.; Personnel mixed pulp 4 hr. experimental debagger was not used.	480	936.0	0.05	0.05

ST0702045

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service
Page 2 of 4

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR 1 FIBERS
5/9/88	08487	Area - asbestos room	480	960.0	0.05	0.05
		sample south of exp.				
		debagger; personnel				
		dumped (2) times 50				
		min.; personnel mixed				
		pulp 4 hrs.; exp.				
		debagger was not				
		used				
5/9/88	08488 *	Personnel - Laborer	480	960.0	0.01	0.01
		#439-56-2213				
		2 hr. ran F503				
		filter; 2 hr 40 min.				
		hauled asbestos from				
		C12 to Cell Service;				
		2 hr. 30 min unloaded				
		asbestos off trailer.				
5/10/88	08398 *	Personnel - Laborer	480	912.0	0.07	0.07
		#436-56-6612				
		50 min. dumped asbestos				
		(worked in debagger room)				
		6 hr. 20 min. cathode				
		hook up.				

ST10702044

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service
Page 3 of 4

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR FIBERS
5/10/88	08489	* Personnel - SOT #432978 7 hr. 10 min. drawing cathodes 50 min. lunch & break	480	960.0	0.08	0.08
5/18/88	08397	Area - C-501 DW (void - unable to analyze - filter buckled) Vacuum Compressor this sample was placed approx. 2 feet above vacuum compressor exhaust with sample horizontal of exhaust "note" 2 cathodes were drawn.				
5/18/88	08399	Area - F509 Scrubber this sample was placed east of F-509 in cable tray approx 4' with sample placed in horizontal position. F-509 has a reflect cover, personnel dumped asbestos 1 time 25 min.	240	744.0	0.03	0.02

ST0702043

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service
Page 4 of 4

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR T FIBERS
5/97/88	08482	D-517 (Vessel Entry Prep) wet down with	240	936.0	0.03	0.02

water at approx 9:45 AM

The sample was taped on a stick and put into D-517 approx 2 1/2 ft through the 8" suction hole in the east side of tank with sample slanted down. Air was blown around tank via air hose for approx 30 seconds.
@ 10:30 AM, 11:00 AM, 12:00, 12:30 PM, 1:00 PM, and 1:30 PM.

ST0702042

* Proper protective clothing was worn. Comfo II half-face respirator with high efficiency filter was worn during the job.

Jackie Paul
Ind Hygiene

JP:sb
2/87

B-3502 E ext 8702
6/2/88

DO A 110442
CONFIDENTIAL

Block 56 Person or Area Monitored Eugene Dominique Jr. Sample #540 No 08385
Monitoring for Asbestos Employee ID # 436-41-6283 Job Classification Contract
Type Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 02/07/85
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
_____ monitor was warn during lunch + break 50 min ✓ cleaning
_____ Restacking Asbestos in C/2 whse. 6 hr on 1 hr mixing pulp
Time Started 6:15 am IN Cell service. TOTAL 8 HRS
Time Stopped 2:15 pm
Beginning Flow Rate 2.0 l/min Respirator used ☒ Yes ☐ No Type? APR CONFOR 2
Ending Flow Rate 2.0 l/min Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☒ Yes ☐ No
Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter .049
NOTE: Job description must be concise and complete. Form filled in by Dean Walters
DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702041

Block 56 Person or Area Monitored Eugene Domingue JR Sample No 08491
 Monitoring for ASBESTOS Employee ID # 436-41-8867 Job Classification Contract
 Type Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 3/17/88
 Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
50 MIN Lunch & BREAK
5HR 80min MIXING Pulp
 Time Started 6:00 AM 2 HR HAULED ASBESTOS FROM CHLORINE WHSE TO CELL SERVING
 Time Stopped 2:00 PM "note" Pulp DeBagger int in operation
 Beginning Flow Rate 2.04/min Respirator used ☒ Yes ☐ No Type? FORCED AIR Resp.
 Ending Flow Rate 2.04/min Wind, Temp. and Humidity, Personnel _____
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter
 NOTE: Job description must be concise and complete.
 Form filled in by Dean Walton

High amount of particulate matter (note) when turned in personnel stated he had ASBESTOS splash on him around sample area



LOUISIANA DIVISION INDUSTRIAL HYGIENE

DO A 110444
CONFIDENTIAL

ST0702035

Block 56 Person or Area Monitored F-509 Suction Line Sample No 08496
 Monitoring for ASBESTOS Employee ID # _____ Job Classification _____
 Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____ Date 4/26/88
 Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
F-509 Suction Line THIS THIS IS NOT A ROUTINE
ASBESTOS SAMPLE IT IS FROM THE F-509 Suction Line.
PLEASE RUN A (SEM) ON THIS SAMPLE
 Time Started 6:00 AM
 Time Stopped 1:00 PM
 Beginning Flow Rate 2.04/min Respirator used ☐ Yes ☒ No Type? _____
 Ending Flow Rate 2.04/min Wind, Temp. and Humidity _____
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter
 NOTE: Job description must be concise and complete.
 Form filled in by Dean Walton

could not analyze (too much junk)



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702036

Block 56 (Person) or Area Monitored HENRY THOMAS Sample ^{#2} No 08490
 Monitoring for ASBESTOS Employee ID # 436-58-372P Job Classification Contractor
 Type Sample: ☒ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 3/14/88
 Other Chemicals Present: 490 Description of task performed during monitoring period including any unusual activities _____
WORKING STATION #7 WASHING BANDS 3HR 10 MIN.
50 MIN LUNCH + BREAK INCLUDED IN THIS SAMPLE
 Time Started 6:00 AM 480 Dropping color into P.T 4 hrs
 Time Stopped 2:00 PM 960.0
 Beginning Flow Rate 2.0 L/min Respirator used ☐ Yes ☒ No Type? _____
 Ending Flow Rate 2.0 L/min .008 .01 Wind, Temp. and Humidity _____
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter
 NOTE: Job description must be concise and complete. Form filled in by Dean Walter



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702038

Block 56 Person or (Area) Monitored DeBayer Room Sample ⁵⁴⁴ No 08396
 Monitoring for ASBESTOS Employee ID # _____ Job Classification _____
 Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____ Date 2/22/88
 Other Chemicals Present: Description of task performed during monitoring period including any unusual activities _____
AUDIT WAS PLACED IN N-W CORNER OF DeBayer
Room IN Pearlina
 Time Started 6:00 AM 480
 Time Stopped 2:00 PM
 Beginning Flow Rate 2.0 L/min Respirator used ☐ Yes ☒ No Type? _____
 Ending Flow Rate 2.0 L/min 960.0 16.675 Wind, Temp. and Humidity _____
 Calibration Check Prior to Monitoring? ☒ Yes ☐ No
 Calibration: ☐ Bubblemeter ☐ Rotometer
☒ Other Flow meter .02 fl/c
 NOTE: Job description must be concise and complete. Form filled in by Dean Walter



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702037

DO A 110445
CONFIDENTIAL

Block 56 Person or Area Monitored DeBayer Room Sample No 08498
Monitoring for ASBESTOS Employee ID # 41524 Job Classification _____
Type Sample: ☐ Personnel ☒ Area ☐ Excursion ☐ Other _____ Date 02/18/88
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
monitor was placed in south side of room west
of door in peeling of DeBayer Room
Time Started 6:00 AM 480
Time Stopped 2:00 PM
Beginning Flow Rate 2.0 fpm Respirator used ☐ Yes ☒ No Type? _____
Ending Flow Rate 2.2 fpm 960.0 Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☒ Yes ☐ No 12.752
Calibration: ☐ Bubblemeter ☐ Rotometer ☒ Other Flow meter 0.01
NOTE: Job description must be concise and complete. Form filled in by Dean Walters



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702040

Block 56 Person or Area Monitored E. Malweon Sample No 08395
Monitoring for Asbestos Employee ID # 439-56-2213 Job Classification Contract
Type Sample: ☐ Personnel ☐ Area ☐ Excursion ☐ Other _____ Date 02/03/88
Other Chemicals Present: _____ Description of task performed during monitoring period including any unusual activities _____
1 hr Running cathode washer. 50 min lunch + break
wearing monitor. 6 hr 10 min cleaning restacking
Asbestos in Chlorine whse. 8 hr total
Time Started 6:15 AM 480
Time Stopped 2:15 PM
Beginning Flow Rate 2.0 fpm Respirator used ☒ Yes ☐ No Type? Approved Conf 2
Ending Flow Rate 2.0 fpm 960.0 Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☒ Yes ☐ No
Calibration: ☐ Bubblemeter ☐ Rotometer 0.37
☒ Other Flow Meter
NOTE: Job description must be concise and complete. Form filled in by Dean Walters



LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0702039

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service

page 1 of 2

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR FIBERS
2/09/88	08385	* Personnel - Lubber # 6283 cleaning and restocking asbestos in chlorine whse. 6 hr. 10 min.; mixing pulp 1 hr.	480	960.0	0.05	0.05
2/09/88	08395	* Personnel - Lubber # 2213 1 hr. running cathode washer; 6 hr. 10 min. cleaning and restocking asbestos in chlorine whse.	480	960.0	0.04	0.04
2/22/88	08492	Area - debugger room Monitor was placed in south side of room west of door in pearling of Debugger room.	480	960.0	0.01	0.01
2/22/88	08396	Area - debugger room monitor was placed in NW corner of room in pearling.	480	960.0	0.02	0.02

ST0702033

JP:sb
2/87

DO A 110447
CONFIDENTIAL

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service

Page 2 of 2

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR FIBERS
3/16/88	08490	Personnel-laborer #436-54-3788 ^{36 7476} 7476 Du working station #7 washing nodes 3 hr 10 min.; dropping cells into pit 4 hrs.	480	960.0	0.01	0.01

ST0702034

3/17/88	08491	*Personnel-laborer #436-41-8857 5 hr 10 min. mixing pulp; 2 hr hauled asbestos from 1/2 wheel to cell service; note "pulp debugger not in operation	(sample not able to be analyzed high amount of particulate matter) (note when Turned in Personnel stated that sample may be Bad Asbestos splashed on him ^{many samples} Dean Walter			
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4/28/88	08496	Area - F509 suction line	(sample could not be analyzed; too much particulates)			
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4/28/88	08496	SEM ran on above sample. Result 12% chrysotyle fibers				
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*Proper protective clothing was worn during job. Bmfo-II half-face respirator with high efficiency filters was worn during the job.

Jackie Fair
Ind. Hygiene 3502 E
5/2/88 ext 8702

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

Cell Service

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DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR T FIBERS
9/09/88	✓ 08385	* Personnel - Lulover # 6283 cleaning and restacking asbestos in chlorine whee. 6 hr. 10 min.; mixing pulp 1 hr.	480	960.0	0.05	0.05
1/09/88	✓ 08395	* Personnel - Lulover # 2213 1 hr. running cathodic washer; 6 hr. 10 min. cleaning and restacking asbestos in chlorine whee.	480	960.0	0.04	0.04
1/22/88	08498	* Area - debugger room Monitor was placed in south side of room west of door in pearling of Debugger room.	480	960.0	0.01	0.01
1/22/88	✓ 08396	Area - debugger room monitor was placed in NW corner of room in pearling.	480	960.0	0.02	0.02

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ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

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DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR T FIBERS
3/16/88	08490	Personnel-laborer #436-54-3788 7476 Dew working station #7 washing nodes 3 hr 10 min.; dropping cells into pit 4 hrs.	480	960.0	0.01	0.01
3/17/88	08491	*Personnel-laborer #436-41-8857 5-hr 10 min. mixing pulp; 2 hr. hauled asbestos from 1/2 whse to cell service; note "pulp debugger not in operation"	(sample not able to be analyzed high amount of particulate matter)	(Note when Turned in Personnel stated That sample may be Bad asbestos splashed on him ^{nearby sample area} Dean Walter		
4/28/88	08496	Area-F509 suction line	(sample could not be analyzed; too much particulates)			
4/28/88	08496	SEM ran on above sample. Result 12% chrysotile fibers				

*Proper protective clothing was worn during job. Romfo-II half-face respirator with high efficiency filters was worn during the job.

Jackie Fair
And Hygiene 3502 E
5/2/88 ext 8702

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8. NR TWA Limit = 0.20 f/cc

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR TWA FIBERS/cc
5/4/88	✓ 08483	* Personnel - Laborer	480	960.0	0.08	0.08
		#436-41-6283				
		3 hr 30 min repairing				
		Cathodes, 3 hr 40 min				
		mixing pulp using				
		experimental debagger.				
5/4/88	08484 ✓	Area - Asbestos Room	480	936.0	0.04	0.04
		North of West door in				
		pearling; personnel				
		working in area;				
		dumped ash. 30 min;				
		mixed pulp 3 hr. 40 min.				
		using experimental				
		debagger.				
5/9/88	08486	Area - Asbestos Room	480	936.0	0.05	0.05
		This sample was set on				
		West wall north of door				
		in pearling; personnel				
		dumped ash. 2 times				
		50 min.; Personnel mixed				
		pulp. 4 hr. experimental				
		debagger was not used.				

ST0702070

DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR T FIBERS
5/9/88	08487 ✓	Area - asbestos room	480	960.0	0.05	0.05
		sample south of exp.				
		debagger; personnel				
		dumped (2) times 50				
		min.; personnel mixed				
		pulp 4 hrs.; exp.				
		debagger was not				
		used				
5/9/88 ✓	08488 *	Personnel - Laborer	480	960.0	0.01	0.01
		#439-56-2213				
		2 hr. ran F503				
		filter; 2 hr 40 min.				
		hauled asbestos from				
		C12 to Cell Service;				
		2 hr. 30 min unloaded				
		asbestos off trailer.				
5/10/88	08398 ✓	Personnel - Laborer	480	912.0	0.07	0.07
		#436-56-6612				
		50 min. dumped asbestos				
		(worked in debagger room)				
		6 hr. 20 min. cathode				
		hook up.				

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DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR TW FIBERS/cc
5/10/88	08429	* Personnel - SOT #432978 7 hr. 10 min. drawing cathodes 50 min. lunch & break	480	960.0	0.02	0.02
5/18/88	08397	C-509 1DW Area - C-509 Vacuum Compressor this sample was placed approx. 2 feet above vacuum compressor exhaust with sample horizontal of exhaust "note" 2 cathodes were drawn.	(void - unable to analyze - filter buckled)			
5/18/88	08399	Area - F509 Scrubber this sample was placed east of F-509 in cable tray approx 4' with sample placed in horizontal position. F-509 has a reflect cover, personnel dumped asbestos 1 time, 25 min.	240	744.0	0.03	0.02

ST0702072

ASBESTOS ANALYSIS
ANALYTICAL METHOD: NIOSH 7400A

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DATE	SAMPLE #	SAMPLE DESCRIPTION	DURATION (MIN.)	VOLUME (L)	SAMPLE DURATION FIBERS/CC >5 MICRONS IN LENGTH	8-HR TWA FIBERS/cc
5/37/88	08482	D-517 (Vessel Entry Prep) wet down with water at approx 9:45 AM	240	936.0	0.03	0.02

The sample was taped on a stick and put into D-517 approx 2 1/2 ft through the 8" suction hole in the east side of tank with sample slanted down. Air was blown around tank via air hose for approx 30 seconds.

@ 10:30 AM, 11:00 AM, 12:00 PM, 12:30 PM, 1:00 PM, and 1:30 PM.

* Proper protective clothing was worn. Comfo II half-face respirator with high efficiency filter was worn during the job.

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6/2/88

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