

Seq	T Name	WALL, FRANCIS J.	Dept	MAINTENANCE	Contaminant	Asbestos / CEF 37mm .8u	ST Exp Limit	Respirator	Comments
0001	P Soc Sec 118-22-5805		Locn	STOKEROOM	TWA	0.044000 F/CC		N	NORMAL ROUTINE & PAC KAGING RINGS FOR SHIPPING.
	Date	12/17/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC			
	Shift	1ST	Job	OPERATOR	Product				
1.	Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	0.0440
		625	08:10	14:43	393	0.0000	0.0440/	0.0	
Seq	T Name	SCHIELKE, ROGER D.	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u <td>ST Exp Limit</td> <td>Respirator</td> <td>Comments</td>	ST Exp Limit	Respirator	Comments
0004	P Soc Sec 546-76-6993		Locn	FINISHING	TWA	0.024000 F/CC		N	ROUTINE SUPERVISOR FUNCTION
	Date	12/17/1981	Proc	LINE 1	Pel/Exp Limit	OSHA PEL = 2 F/CC			
	Shift	1ST	Job	SUPERVISOR	Product	6" 150			
1.	Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	0.0240
		624	08:19	14:51	392	0.0000	0.0240/	0.0	
Seq	T Name	WILSON, CHARLES R.	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u <td>ST Exp Limit</td> <td>Respirator</td> <td>Comments</td>	ST Exp Limit	Respirator	Comments
0005	P Soc Sec 422-56-9672		Locn	FINISHING	TWA	0.067000 F/CC		N	ROUTINE SUPERVISOR FUNCTION
	Date	12/16/1981	Proc	LINE 1	Pel/Exp Limit	OSHA PEL = 2 F/CC			
	Shift	1ST	Job	INSPECTOR	Product	CPLGS - FM'S - ACCESSORIES			
1.	Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	0.0670
		623	08:10	15:10	420	0.0000	0.0670/	0.0	
Seq	T Name	HAMILTON, CHRISTOPHER	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u <td>ST Exp Limit</td> <td>Respirator</td> <td>Comments</td>	ST Exp Limit	Respirator	Comments
0006	P Soc Sec 555-74-5800		Locn	FITTINGS	TWA	0.042000 F/CC		N	NORMAL INSPECTION OF CPLGS & ACCESSORIES
	Date	12/15/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC			
	Shift	1ST	Job	MAKER	Product	8" SEVER WYES & TEES, ETC			
1.	Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	0.0420
		620	08:20	15:15	415	0.0000	0.0420/	0.0	
Seq	T Name	CANTRELL, NORMAN L.	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u <td>ST Exp Limit</td> <td>Respirator</td> <td>Comments</td>	ST Exp Limit	Respirator	Comments
0007	P Soc Sec 572-64-3309		Locn	GENERAL	TWA	0.038000 F/CC		N	NORMAL ROUTINE-SAVIN G & FABRICATION OF FITTINGS
	Date	12/11/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC			
	Shift	2ND	Job	RELIEF	Product				
1.	Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	0.0380
		617	07:32	13:33	361	0.0000	0.0380/	0.0	

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Seq T Name	PLAZA, MANUEL M.										
0008 P Soc Sec	570-58-2582										
Date	12/11/1981										
Shift	1ST	8 HOUR									
Job	LABORER										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.026000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	NORMAL ROUTINE										
=====											
Seq T Name	MORALES, DAVID E.										
0009 P Soc Sec	549-52-6935										
Date	12/10/1981										
Shift	1ST	8 HOUR									
Job	TENDER										
Dept	PRODUCTION										
Locn	PIPE MACHINE										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.034000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	TENDS PIPE MACHINE; CLEANS SHOWERS SETS DIALS; KEEPS UP CHARTS-COORDINATES PRODU										
=====											
Seq T Name	REVES, PETER C.										
0010 P Soc Sec	560-04-6091										
Date	12/10/1981										
Shift	1ST	8 HOUR									
Job	HANDLER										
Dept	PRODUCTION										
Locn	MANDREL										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.041000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	TENDS PIPE MACHINE; CLEANS SHOWERS SETS DIALS; KEEPS UP CHARTS-COORDINATES PRODU										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TRAY LOADING										
Proc											
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.023000 F/CC										
ST	Exp Limit	OSHA PEL = 2 F/CC									
Product											
Comments	AIR LANCES MANDREL- PIPE UNIT; OPERATES ROTAL; MOVES MANDRELS-PIPE TOO PRIMARY O										
=====											
Seq T Name	SANIGA, EUGENE										
0011 P Soc Sec	210-24-1301										
Date	12/08/1981										
Shift	1ST	8 HOUR									
Job	OPERATOR										
Dept	PRODUCTION										
Locn	TR										

Industrial Hygiene Survey: 81PT05 PIPE & PLASTICS-EPG RIVERSIDE

RIH01

Seq T Name CASAS, JOHN A.

0012 P Soc Sec 573-94-2307

Date 12/08/1981

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PRESS
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.053000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 24 FT 60; 24" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	612	07:37	14:18	401	0.0000	0.0530/	0.0	0.0530	N	OPERATED PRESS

Seq T Name RICHARDSON, JERRY D.

0013 P Soc Sec 557-96-1876

Date 12/07/1981

Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.063000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 24" 150; 24 FT 60 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	602	08:02	12:00	238	0.0000	0.0670/	0.0	0.0670	N	S DISPOSABLE SINGLE USE SETS UP BATCHES OF F 1BER ON CONVEYOR
2.	614	12:00	14:45	165	0.0000	0.0570/	0.0	0.0570	N	S DISPOSABLE SINGLE USE OPERATES BAG OPENER- OPERATES #3 LIFT TR. RUNS SWEEPER WHEN TIME PERMITS

Seq T Name ALLEN, MICHAEL E.

0014 P Soc Sec 572-21-6151

Date 12/07/1981

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE LINE
Proc LINE 1
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.048000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product TESTING PKG OF 8" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	613	07:58	12:03	245	0.0000	0.0490/	0.0	0.0490	N	OPERATES AUTOMATIC LATHE-LINE #1
2.	615	12:03	15:03	180	0.0000	0.0460/	0.0	0.0460	N	

Seq T Name CONTRERAS, JOE L.

0015 P Soc Sec 555-62-0421

Date 12/04/1981

Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.065000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	607	08:30	14:50	380	0.0000	0.0650/	0.0	0.0650	N	S DISPOSABLE SINGLE USE SET UP FIBER BAGS ON CONVEYOR OPERATE AND /OR TEND BAG MACHINE OPERATED CRANE 15 M

CTD023118

Seq T Name	GRANILLO, BENJAMIN	Dept QUALITY CONTROL	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0016 P Soc Sec	557-56-8670	Locn LAB	TWA	0.064000 F/CC		/P&CAM 239 R=A
Date	12/03/1981	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	1ST	Job INSPECTOR	Product			
Equip	Samp	LPM	Conc-F/CC	ST Exp Limit		
1.	608	08:40 15:07 387	0.0 0.0640			S DISPOSABLE SINGLE USE ROUTINE LAB WORK PLU S INSPECTION ON FLR INVOLVING CPLGS
Seq T Name	MOJESKE, JOHN E.	Dept MAINTENANCE	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0017 P Soc Sec	557-28-9608	Locn GENERAL	TWA	0.057000 F/CC		/P&CAM 239 R=A
Date	12/03/1981	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	1ST	Job MECHANIC	Product			
Equip	Samp	LPM	Conc-F/CC	ST Exp Limit		
1.	603	08:15 12:05 230	0.0 0.0570			GENERAL MAINTENANCE MECHANIC FUNCTIONS MAINLY THRU-OUT FINISHING DEPT
Seq T Name	SONCRANT, WILLIAM G.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0018 P Soc Sec	385-22-0170	Locn PIPE MACHINE	TWA	0.037000 F/CC		/P&CAM 239 R=A
Date	12/03/1981	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	2ND	Job STRIPPER	Product	8" 150, 6" 150 PIPE		
Equip	Samp	LPM	Conc-F/CC	ST Exp Limit		
1.	609	08:25 14:56 391	0.0 0.0370			STRIPS MANDRELS FROM PIPE; ROLLS PIPE TO #2 OVEN CONVEYOR
Seq T Name	GLOVER, DANIEL G.	Dept WAREHOUSE	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0019 P Soc Sec	235-56-0052	Locn SHIPPING	TWA	0.027000 F/CC		/P&CAM 239 R=A
Date	12/01/1981	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	1ST	Job SUPERVISOR	Product			
Equip	Samp	LPM	Conc-F/CC	ST Exp Limit		
1.	610	08:30 16:10 460	0.0 0.0270			NORMAL DUTIES-SUPERVISING SHIPPING OPERA TRAVELS THE STG YARD WITH ELECT. CART

CTD023119

Industrial Hygiene Survey: 81PT05 PIPE & PLASTICS-EPG RIVERSIDE

R1H01

Seq T Name CORRAL, RICHARD G.
0020 P Soc Sec 551-74-3367
Date 11/30/1981
Shift 1ST 8 HOUR

Dept WAREHOUSE
Locn SHIPPING
Proc
Job FORKLIFT OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.025000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Equp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	604	08:57	16:12	435	0.0000	0.0250/	0.0	0.0250	N	NORMAL-SHIPPIING PIPE & MOVING PIPE, ETC. DRIVES LIFT TRUCK

Seq T Name PALOMERA, GREGORY V.
0021 P Soc Sec 567-21-2535
Date 11/30/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn TRAY LOADING
Proc
Job LOADER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.043000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 24" 35 & 21" 35 & 18" 35 PIPE

Equp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	605	08:25	14:51	386	0.0000	0.0430/	0.0	0.0430	N	NORMAL-LOADING PIPE INTO TRAYS, ETC.

Seq T Name GILLELAND, MARK A.
0022 P Soc Sec 548-88-8107
Date 11/25/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn HYDROTESTER
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.170000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 1/2 MEO/S; 6" 150 PIPE

Equp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	597	08:07	12:46	279	0.0000	0.1030/	0.0	0.1000	N	NORMAL JOB DUTIES
2.	593	12:46	15:20	154	0.0000	0.3010/	0.0	0.3000	N	TESTING PIPE W/HYDRO TESTER-APPROX 1 HR CHANGE OVER

Seq T Name JAMES, JIMMY L.
0023 P Soc Sec 572-82-0622
Date 11/25/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn BORING MILL 42
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.096000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 18 FT 35 CPLGS

Equp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	596	08:05	12:38	273	0.0000	0.0790/	0.0	0.0790	N	OPERATES 42" BORING MILL; FEEDS CPLGS
2.	598	12:38	15:18	160	0.0000	0.1260/	0.0	0.1300	N	ASIDES CPLGS FROM CO NVEYOR; MAKES TOOL CHANGES & CHANGE OVERS

CTD023120

Seq T Name HAMPTON, CHARLES P.
 0024 P Soc Sec 419-70-7035
 Date 11/24/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA V0.170000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	592	08:20	10:59	159	0.0000	0.0000/	0.0	V0.0000		N	DRIVES LIFT TRUCK TO BRING PIPE FROM YARD TO PRODUCTION LINES. ASSISTS W/LATHE & T
2.	586	11:32	15:25	233	0.0000	0.1660/	0.0	0.1700		N	DRIVES LIFT TRUCK TO BRING PIPE FROM YARD TO PRODUCTION LINES. ASSISTS W/LATHE & T

Seq T Name DOBBS, JEFF M.
 0025 P Soc Sec 571-92-9159
 Date 11/24/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.160000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 1/4 LENGTH 6" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	587	08:23	11:41	198	0.0000	0.1240/	0.0	0.1200		N	NORMAL PRODUCTION- OPERATES HYDROTETER
2.	591	11:41	15:20	219	0.0000	0.1880/	0.0	0.1900		N	NORMAL PRODUCTION- OPERATES HYDROTETER

Seq T Name COOLEY, DENNIS D.
 0026 P Soc Sec 344-30-3938
 Date 11/23/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.220000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	589	08:54	12:33	219	0.0000	0.1620/	0.0	0.1600		S	S DISPOSABLE SINGLE USE NORMAL OPERATION-CPL G CUT-OFF MACHINE
2.	590	12:33	14:14	101	0.0000	0.3410/	0.0	0.3400		S	S DISPOSABLE SINGLE USE NORMAL OPERATION-CUT S CPLGS & PALLETIZES COUPLINGS

Seq T Name GIL, LARRY L.
 0027 P Soc Sec 570-58-4041
 Date 11/23/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.079000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 200 1/4 FW'S-8" 200 1/4 MEQ'S-8" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	588	09:23	12:34	191	0.0000	0.0940/	0.0	0.0940		N	NORMAL OPERATION-OPE RATES FM LATHE
2.	595	12:34	15:22	168	0.0000	0.0620/	0.0	0.0620		N	NORMAL OPERATION & P KGS PRODUCT FROM HIS LATHE OPERATION

CTD023121

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R1H01

Seq T Name BIVENS, JANET R.
0028 P Soc Sec 547-72-9345
Date 11/20/1981
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.069000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Seq	T Name	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	BOYD, DOUGLAS R.	599	07:50	15:21	451	0.0000	0.0690/	0.0	0.0690	N		TESTING CPLGS W/NET TESTER MACHINE - INSTALL RUBBER RINGS IN CPLGS-REMOVE 1 R

Seq T Name BOYD, DOUGLAS R.
0029 P Soc Sec 568-54-5139
Date 11/20/1981
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.072000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Seq	T Name	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	GOODWIN, LORAN C.	594	07:53	11:53	240	0.0000	0.0720/	0.0	0.0720	N		TEST CPLGS W/NET TESTER MACHINE-REMOVE AND INSTALL RINGS

Seq T Name GOODWIN, LORAN C.
0030 P Soc Sec 546-76-6926
Date 11/20/1981
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.069000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Seq	T Name	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	DOBBS, PHILLIP R.	585	08:05	15:02	417	0.0000	0.0690/	0.0	0.0690	N		INSPECTING PIPE ON FINISHING LINES

Seq T Name DOBBS, PHILLIP R.
0031 P Soc Sec 557-68-1875
Date 11/19/1981
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.068000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 18 FT 35 PIPE-24 FT 35 PIPE

Seq	T Name	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.		584	08:12	15:20	428	0.0000	0.0680/	0.0	0.0680	N		BELL PIPE-PACKAGE P1 PE-PREPARE DUNNAGE & 1 1/2 HRS CLEANING LUMBER

CTD023122

Seq T Name AVERY, JR, ALBERT
0032 P Soc Sec 572-82-0787
Date 11/19/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job HANDLER

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	583	08:05	15:20	435	0.0000	0.1130/	0.0	0.1100	N	BELL PIPE; PACKAGE P IPE; MAKE-UP DUNNAGE CLEANED LUMBER 1.5 HRS

Seq T Name STANFIELD, RICHARD H.
0033 P Soc Sec 548-58-3160
Date 11/19/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn GENERAL
Proc
Job FORKLIFT OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	582	08:00	11:00	180	0.0000	0.0900/	0.0	0.0900	N	DRIVING LINE LIFT TRUCK-TRANSPORTING FINISHED GOODS TO STORAGE YARD

Seq T Name AMARO, RICHARD
0034 P Soc Sec 560-98-0226
Date 11/18/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn COUPLING CUT OFF
Proc LINE 1
Job OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	576	08:36	12:36	240	0.0000	0.1970/	0.0	0.2000	Y	DISPOSABLE SINGLE USE CUTTING 8" 150 FM 1/4 LENGTH FROM 13' LENGTHS
2.	579	12:36	15:08	152	0.0000	0.2040/	0.0	0.2000	Y	DISPOSABLE SINGLE USE CUTTING 8" 150 FM 1/4 LENGTH FROM 13' LENGTHS

Seq T Name BEY, GEORGE M.
0035 P Soc Sec 546-98-9811
Date 11/18/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn BORING MILL
Proc LINE 2
Job OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	578	09:20	12:42	202	0.0000	0.1440/	0.0	0.1400	S	DISPOSABLE SINGLE USE
2.	581	12:42	15:07	145	0.0000	0.0980/	0.0	0.0980	S	DISPOSABLE SINGLE USE

Seq T Name SANDERS, ANZY O.
 0036 P Soc Sec 431-64-0728
 Date 11/18/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.079000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product MISC PIPE SIZES & CLASSES

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	577	08:45	12:40	235	0.0000	0.0680/	0.0	0.0680	N	SERVES AROUND THE WA LL OPERATION-BRINGS IN STOCK; TRUCKS AWAY STOCK TO STG YARD
2.	580	12:40	15:10	150	0.0000	0.0960/	0.0	0.0960	N	SERVES AROUND THE WA LL OPERATIONS-BRINGS IN STOCK; TRUCKS AWAY STOCK TO STG YARD.

Seq T Name HAMILTON, CHRISTOPHER
 0037 P Soc Sec 555-74-5800
 Date 06/25/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.160000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 18 15 FT 35 TAPERS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	575	07:50	09:00	70	0.0000	0.2670/	0.0	0.2700	Y	DISPOSABLE SINGLE USE OPERATED KINGMILL 70 % OF TIME HANDLED & EPOXYING FITTINGS (SAMPLED EMPLOYEE AT S
2.	567	11:31	14:41	190	0.0000	0.1150/	0.0	0.1200	Y	DISPOSABLE SINGLE USE OPERATED KINGMILL 70 % OF TIME HANDLED & EPOXYING FITTINGS

Seq T Name PUTNAM, WALLACE E.
 0038 P Soc Sec 571-50-9320
 Date 06/11/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.260000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 200 CPLGS; 10" 100 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	566	07:23	11:31	248	0.0000	0.1960/	0.0	0.2000	N	OPERATED HAND-FED BO RING MILLS #1-2 TO MACHINE CPLGS; SPENT 60 MIN ON 2 SET-UPS
2.	565	11:32	14:02	150	0.0000	0.3620/	0.0	0.3600	N	OPERATED HAND-FED BO RING MILLS #1&2 TO MACHINE CPLGS; SPENT 60 MIN ON 2 SET-UPS

Seq T Name AESCHLIMAN, KENNETH M.
 0039 P Soc Sec 573-76-0128
 Date 05/27/1981
 Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.160000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	561	07:50	11:49	239	0.0000	0.1370/	0.0	0.1400	S	DISPOSABLE SINGLE USE RELIEVES OTHER JOB T ITLES IN MFG STRIPPER PRESS OPERATION; TRAY LOADER MANDREL MAN

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2. 562 11:49 14:49 180 0.0000 0.1950/ 0.0 0.2000 S DISPOSABLE SINGLE USE RELIEVES OTHER JOB T ITLES IN MFG STRIPPER PRESS OPERATOR; TRAY LOADER MANDREL MAN

/P&CAM 239 R=A

Contaminant Asbestos / CEF 37mm .8u

TWA 0.390000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 8" 150 PIPE

Dept PRODUCTION

Locn GENERAL

Proc

Job AREA SAMPLE

Seq T Name AREA

0040 A Soc Sec

Date 05/27/1981

Shift 1ST 8 HOUR

1. Equip Samp 568 Start Stop Min 11:29 14:55 206 0.0000 0.3880/ 0.0 0.3900 ST Exp Limit Respirator Comments
PUMP POSITIONED 2' FROM MID DRY-FEED & 5' HIGH FLOOR

/P&CAM 239 R=A

Contaminant Asbestos / CEF 37mm .8u

TWA 0.340000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 20" FT 45 PIPE

Dept PRODUCTION

Locn PRESS

Proc

Job OPERATOR

Seq T Name PETERSON, JOHN A.

0041 P Soc Sec 520-56-8597

Date 05/01/1981

Shift 1ST 8 HOUR

1. Equip Samp 560 Start Stop Min 09:05 11:08 123 0.0000 0.3380/ 0.0 0.3400 ST Exp Limit Respirator Comments
OPERATES PRESS AT P1 PE MACHINE

/P&CAM 239 R=A

Contaminant Asbestos / CEF 37mm .8u

TWA 0.120000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 8" 2400 SEWER PIPE

Dept PRODUCTION

Locn PRESS

Proc

Job OPERATOR

Seq T Name PETERSON, JOHN A.

0042 P Soc Sec 520-56-8597

Date 04/30/1981

Shift 1ST 8 HOUR

1. Equip Samp 559 Start Stop Min 08:04 13:06 302 0.0000 0.1210/ 0.0 0.1200 ST Exp Limit Respirator Comments
OPERATES PRESS AT P1 PE MACHINE ALSO CHECKS PIPE BOO REMOVED PUMP B/C OF SCHU

/P&CAM 239 R=A

Contaminant Asbestos / CEF 37mm .8u

TWA 0.075000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 16" 150 CPLGS

Dept PRODUCTION

Locn BORING MILL 42

Proc

Job AREA SAMPLE

Seq T Name AREA

0043 A Soc Sec

Date 05/01/1981

Shift 1ST 8 HOUR

1. Equip Samp 557 Start Stop Min 09:00 14:51 351 0.0000 0.0750/ 0.0 0.0750 ST Exp Limit Respirator Comments

CTD023125

Seq T Name COOLEY, DENNIS D. Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0044 P Soc Sec 344-30-3938 TWA 0.310000 F/CC
 Date 05/22/1981 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 8" 150 & 6" 150; 14" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	563	07:36	11:00	204	0.0000	0.2840/	0.0	0.2800		S DISPOSABLE SINGLE USE CUT CPLG BLANKS ON C CD MACHINE ALSO OPER #2 LATHE 60 MIN
2.	564	11:34	14:58	204	0.0000	0.3260/	0.0	0.3300		S DISPOSABLE SINGLE USE CUT CPLG BLANKS ON C CD MACHINE ALSO OPER #2 LATHE 60 MIN

Seq T Name LE SIEUR, RICHARD G. Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0045 P Soc Sec 488-34-7457 TWA 0.120000 F/CC
 Date 04/24/1981 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 16" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	554	08:03	12:00	237	0.0000	0.1370/	0.0	0.1400	N	DRIVES LIFT TRUCK TO BRING PIPE IN FROM YARD TO LATHE-ASSISTS LATHE OPERATOR HAM
2.	555	12:00	15:01	181	0.0000	0.0960/	0.0	0.0960	N	DRIVES LIFT TRUCK TO BRING PIPE IN FROM YARD TO LATHE-ASSISTS LATHE OPERATOR HAM

Seq T Name ALLEN, MICHAEL E. Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0046 P Soc Sec 572-21-6151 TWA 0.140000 F/CC
 Date 04/24/1981 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 16" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	558	08:05	11:58	233	0.0000	0.1490/	0.0	0.1500	N	MAKES TOOL CHANGES
2.	556	11:58	14:58	180	0.0000	0.1230/	0.0	0.1200	N	MAKES TOOL CHANGES

Seq T Name BOYD, DOUGLAS R. Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0047 P Soc Sec 568-54-5139 TWA 0.220000 F/CC
 Date 04/22/1981 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 12150 COUPLINGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	3744	07:26	12:22	296	0.0000	0.2370/	0.0	0.2400	N	TESTS CPLG INSERTS R INGS IN CPLGS LDS. CPLGS FROM PALLET TO CONVEYOR
2.	3744	12:22	14:40	138 *	0.0000	0.1770/	0.0	0.1800	N	TESTS CPLG INSERTS R INGS IN CPLGS LDS. CPLGS FROM PALLET TO CONVEYOR

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R1H01

Seq T Name MORGAN, J W.
0048 P Soc Sec 554-82-2494
Date 04/22/1981
Shift 1ST 8 HOUR
Dept BATCH/FORKING
Locn MIXER
Proc
Job OPERATOR
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TUA 0.140000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 16" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysts-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	551	07:16	12:21	305	0.0000	0.1130/	0.0	0.1100		S DISPOSABLE SNGL USE SETTING UP BATCHES O F FIBER; OPERATING BAG OPENER & LIFT TRUCK; CLEANING WORK A	
2. 4854	9551	12:21	14:37	136	0.0000	0.1880/	0.0	0.1900		S DISPOSABLE SNGL USE SETTING UP BATCHES O F FIBER; OPERATING BAG OPENER & LIFT TRUCK, CLEANING WORK A	

Seq T Name PUTNAM, WALLACE E.
0049 P Soc Sec 571-50-9320
Date 04/16/1981
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn COUPLING TESTER
Proc
Job OPERATOR
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TUA 0.450000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	9356	07:55	12:34	279	0.0000	0.4040/	0.0	0.4000		N	MACHINING 8" 150 CPL GS ON BM
2. 4854	9357	12:34	14:41	127	0.0000	0.5370/	0.0	0.5400		N	MACHINING 8" 150 CPL GS ON BM

Seq T Name GIL, LARRY L.
0050 P Soc Sec 570-58-4041
Date 04/16/1981
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn LATHE - 1/4
Proc
Job OPERATOR
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TUA 0.130000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product MISC SIZES

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 3744	3744-1	08:05	12:35	270	0.0000	0.1190/	0.0	0.1200		Y DISPOSABLE SNGL USE MACHINED ENDS OF 1/4 LENGTHS PACKAGED & STENCILED	
2. 3744	3744-2	12:35	14:42	127	0.0020	0.1510/	0.0	0.1500		Y DISPOSABLE SNGL USE MACHINED END OF 1/4 LENGTHS PACKAGED & STENCILED	

Seq T Name LEDFORD, JOE D.
0051 P Soc Sec 440-34-0878
Date 04/10/1981
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn COUPLING TESTER
Proc
Job OPERATOR
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TUA 0.160000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 24" FT 50 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	9354	08:30	11:36	186	0.0000	0.1690/	0.0	0.1700		N	TEST COUPLINGS
2. 4854	9355	11:36	14:46	190	0.0000	0.1440/	0.0	0.1400		N	TEST COUPLINGS

CTD023127

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Seq T Name MORALES, DAVID E. /P&CAM 239 R=A

0052 P Soc Sec 549-52-6935

Date 04/10/1981

Shift 1ST 8 HOUR

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Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1. 3744	9352	08:18	11:34	196	0.0000	0.1200/	0.0	0.1200	N	MONITORS & ADJUSTS PIPE MACHINES, CLEANS FILTERS (WATER)
2. 3744	9353	11:34	14:38	184	0.0000	0.2960/	0.0	0.3000	N	MONITORS & ADJUSTS PIPE MACHINES, CLEANS FILTERS (WATER)

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Seq T Name SILVA, TONY G. /P&CAM 239 R=A

0054 P Soc Sec 573-24-9440

Date 04/09/1981

Shift 1ST 8 HOUR

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Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1. 4854	0350	08:05	12:10	245	0.0000	0.1390/	0.0	0.1400	S	DISPOSABLE SINGLE USE CRUSHING MISC. SIZE PIPE & CPLGS DROVE TRUCK TO DUMP SITE 35 MIN.
2. 4854	9351.	12:10	14:50	160	0.0000	0.1500/	0.0	0.1500	S	DISPOSABLE SINGLE USE CRUSHING MISC. SIZE PIPE & CPLGS DROVE TRUCK TO DUMP SITE 35 MIN.

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Seq T Name PLAZA, MANUEL M. /P&CAM 239 R=A

0055 P Soc Sec 570-58-2582

Date 04/09/1981

Shift 1ST 8 HOUR

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Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1. 3744	0348	09:47	11:42	115	0.0000	0.0770/	0.0	0.0770	N	LOADS PIPE INTO TRAYS STENCILS PIPE LEVELS TRAY SAND BED
2. 3744	0349	11:42	14:55	193	0.0000	0.0230/	0.0	0.0230	N	LOADS PIPE INTO TRAY S STENCILS PIPE LEVELS TRAY SAND BED

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Seq T Name STANFIELD, RICHARD H. /P&CAM 239 R=A

0056 P Soc Sec 548-58-3160

Date 04/07/1981

Shift 1ST 8 HOUR

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Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1. 3744	0346	07:24	11:39	255	0.0000	0.0790/	0.0	0.0790	N	TRANSP. PIPE FROM FINISHING DEPT. TO YARD AND STORAGE

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RIH01

2. 3744 0347 11:39 14:52 193 0.0000 0.0830/ 0.0 0.0830 N TRANS. PIPE FROM FINISHING DEPT TO YARD AND STORAGE

Seq T Name REYES, PETER C.

0057 P Soc Sec 560-04-6091

Date 04/07/1981

Shift 1ST 8 HOUR

Dept BATCH/FORMING

Locn MIXER

Proc

Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A

TWA 0.280000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 8u 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0344	07:17	11:43	266	0.0000	0.2660/	0.0	0.2700		Y DISPOSABLE SINGLE USE PREPARES BATCH SET UP, OPERATES BAG OPENER, CLEAN UP	
2. 4854	0345	11:43	14:53	190	0.0000	0.2980/	0.0	0.3000		Y DISPOSABLE SINGLE USE PREPARES BATCH, SET UP, OPERATES BAG OPENER, CLEAN UP	

Seq T Name DOBBS, PHILLIP R.
0058 P Soc Sec 557-68-1875
Date 04/06/1981
Shift 1ST 8 HOUR

Dept PRODUCTION

Locn PIPE MACHINE

Proc LINE 3

Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A

TWA 0.220000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 24 FT 50 PIPE & 20 FT 50 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0340	07:56	11:43	227	0.0000	0.2390/	0.0	0.2400		N	BELLING PIPE, MAKE UP LUMBER, PACKAGE PIPE
2. 4854	0341	11:43	14:55	192	0.0000	0.2080/	0.0	0.2100		N	BELLING PIPE, MAKE UP LUMBER, PACKAGE PIPE

Seq T Name PASILLAS, DAVID
0059 P Soc Sec 562-74-5496
Date 04/06/1981
Shift 1ST 8 HOUR

Dept PRODUCTION

Locn LATHE LINE

Proc

Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A

TWA 0.130000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 20 FT 50 PIPE; 24 FT 35 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 3744	0342	07:50	11:00	190	0.0000	0.1150/	0.0	0.1200		N	OPERATING LATHE, MAKING SET UP, REST BREAK
2. 3744	0343	11:30	14:50	200	0.0000	0.1530/	0.0	0.1500		N	OPERATING LATHE, MAKING SET UP, REST BREAK

Seq T Name PASILLAS, DAVID
0059 P Soc Sec 562-74-5496
Date 04/06/1981
Shift 1ST 8 HOUR

CTD023129

R1H01

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1H AIR Sequence 06/27/1994 11:58:34 Page: 15

Seq T Name CLAUDIAN, J
0060 P Soc Sec 999-99-2930
Date 04/03/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn MANDREL
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.180000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0338	08:13	12:07	234	0.0000	0.1980/	0.0	0.2000		N	HANDLING, ROLLING, LANCING PIPE, OPER - ATIC ROTAC
2. 4854	0339	12:07	14:57	170	0.0000	0.1470/	0.0	0.1500		N	HANDLING, ROLLING, LANCING PIPE, OPER-ATIC ROTAC

Seq T Name PERRY, DALE C.
0061 P Soc Sec 550-52-1674
Date 04/02/1981
Shift 1ST 8 HOUR

Dept MAINTENANCE
Locn GENERAL
Proc
Job MECHANIC

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.180000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0336	08:14	11:50	216	0.0000	0.1920/	0.0	0.1900		N	LUBES PLANT MACHINERY
2. 4854	0337	11:50	15:30	220	0.0000	0.1750/	0.0	0.1800		N	LUBES PLANT MACHINERY

Seq T Name ALLEN, MICHAEL E.
0062 P Soc Sec 572-21-6151
Date 04/02/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job HANDLER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.290000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 21 FT 35 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 3744	0334	07:41	10:48	187	0.0000	0.4040/	0.0	0.4000		N	PACKAGING PIPE, BELLING, MAKE UP LUMBER 90% & 10% OPERATING HYDRO
2. 3744	0335	10:48	14:48	240	0.0000	0.2020/	0.0	0.2000		N	PACKAGING PIPE, BELLING, MAKE UP LUMBER 90% & 10% OPERATING HYDRO

Seq T Name GEORGE, ALAN L.
0063 P Soc Sec 561-90-0168
Date 04/01/1981
Shift 1ST 8 HOUR

Dept MAINTENANCE
Locn GENERAL
Proc
Job MECHANIC

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.069000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0332	09:21	12:51	210	0.0000	0.0800/	0.0	0.0800		N	WORKING ON LARGE WATER PUMP
2. 4854	0333	12:51	16:21	210	0.0000	0.0580/	0.0	0.0580		N	WORKING ON LARGE WATER PUMP

CTD023130

Seq T Name

DOBBS, JEFF M.

0068 P Soc Sec 571-92-9159

Date 03/26/1981

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE - 1/4
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.410000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 6" 150 1/4 MEO

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 3744	0324	08:08	11:35	207	0.0000	0.3860/	0.0	0.3900		N	OPERATES 1/4 LINE MACHINES & TESTS 1/4 LENGTH PIPE
2. 3744	0325	11:35	15:00	205	0.0000	0.4360/	0.0	0.4400		N	OPERATES 1/4 LINE MACHINES & TESTS 1/4 LENGTH PIPE

Seq T Name SUAREZ, ANDRES L.

0069 P Soc Sec 560-68-8273

Date 03/25/1981

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn MANDREL
Proc
Job STRIPPER

Contaminant Asbestos / CEF 37mm .8u
TWA 0.050000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 6" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0322	07:42	10:43	181	0.0000	0.0390/	0.0	0.0390		N	WORKS STRIP STATION STRIPS MANDRELS FROM PIPE ROLLS PIPE TO CONVEYOR
2. 4854	0323	10:43	14:44	241	0.0000	0.0590/	0.0	0.0590		N	WORKS STRIP STATION STRIPS MANDRELS FROM PIPE ROLLS PIPE TO CONVEYOR

Seq T Name GRANILLO, BENJAMIN

0070 P Soc Sec 557-56-8670

Date 03/24/1981

Shift 1ST 8 HOUR

Dept QUALITY CONTROL
Locn LAB
Proc
Job INSPECTOR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.081000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0312	07:34	10:56	202	0.0000	0.0930/	0.0	0.0930		S	DISPOSABLE SINGLE USE QC LAB INSPECTOR
2. 4854	0313	11:37	14:32	175	0.0000	0.0680/	0.0	0.0680		S	DISPOSABLE SINGLE USE QC LAB INSPECTOR

Seq T Name TAYLOR, BRIAN L.

0071 P Soc Sec 569-80-5194

Date 03/24/1981

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn FITTINGS
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.150000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product SEWER PIPE FITTINGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 3744	0314	07:44	10:55	191	0.0000	0.1150/	0.0	0.1200		N	GLUES FITTINGS
2. 3744	0315	11:32	14:31	179	0.0000	0.1950/	0.0	0.2000		N	GLUES FITTINGS

CTD023132

Seq T Name	FONSECA, ROBERT J.	Dept	WAREHOUSE	Contaminant	Asbestos / CEF 37mm .8u	ST	Exp Limit	Respirator	Comments
0072 P Soc Sec	571-84-9488	Locn	SHIPPING	TWA	0.074000 F/CC			N	OPERATE LIFT TRUCK SHIPPING LOADS
Date	03/20/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC				TRUCKS TRAILERS W/PIPE VARIOUS SIZES
Shift	1ST	8 HOUR	Job	FORKLIFT OPERATOR	Product				OPERATE LIFT TRUCK SHIPPING LOADS
1.	3744	0318	08:09	12:33	264	0.0000	0.0800/	0.0	0.0800
2.	3744	0319	12:33	15:00	147	0.0000	0.0640/	0.0	0.0640
Seq T Name	JAMES, JIMMY L.	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	ST	Exp Limit	Respirator	Comments
0073 P Soc Sec	572-82-0622	Locn	BORING MILL 42	TWA	0.120000 F/CC			N	TRUCKS TRAILERS W/PIPE VARIOUS SIZES
Date	03/20/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC				TRUCKS TRAILERS W/PIPE VARIOUS SIZES
Shift	1ST	8 HOUR	Job	OPERATOR	Product				
1.	4854	0320	07:30	10:34	184	0.0000	0.1250/	0.0	0.1300
2.	4854	0321	10:34	13:48	194	0.0000	0.1230/	0.0	0.1200

Seq T Name	AREA	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	ST	Exp Limit	Respirator	Comments
0074 A Soc Sec		Locn	BAG OPENER & MIXER	TWA	0.160000 F/CC			N	42" BORING MILL OPERATOR
Date	02/02/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC				42" BORING MILL OPERATOR
Shift	1ST	8 HOUR	Job	AREA SAMPLE	Product				
1.	4845	ENG5	08:08	13:29	321	0.0000	0.1720/	0.0	0.1700
2.	4845	ENG6	13:29	16:15	166	0.0000	0.1390/	0.0	0.1400

Seq T Name	CASAS, JOHN A.	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	ST	Exp Limit	Respirator	Comments
0075 P Soc Sec	573-94-2307	Locn	PRESS	TWA	0.340000 F/CC			N	BAG OPENER ADJACENT CONVEYOR TRANSFER
Date	01/09/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC				POINT BAGS SET DOWN ON BATCH CONVEYOR
Shift	1ST	8 HOUR	Job	OPERATOR	Product				BAG OPENER ADJACENT CONVEYOR TRANSFER
1.	4854	0311	12:43	14:01	78	0.0000	0.3420/	0.0	0.3400

Seq T Name	CASAS, JOHN A.	Dept	PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	ST	Exp Limit	Respirator	Comments
0075 P Soc Sec	573-94-2307	Locn	PRESS	TWA	0.340000 F/CC			N	POINT BAGS SET DOWN ON BATCH CONVEYOR
Date	01/09/1981	Proc		Pel/Exp Limit	OSHA PEL = 2 F/CC				POINT BAGS SET DOWN ON BATCH CONVEYOR
Shift	1ST	8 HOUR	Job	OPERATOR	Product				
1.	4854	0311	12:43	14:01	78	0.0000	0.3420/	0.0	0.3400

Seq T Name CASAS, JOHN A.
0077 P Soc Sec 573-94-2307

Date 01/08/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PRESS
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.230000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0308	08:05	10:43	158	0.0000	0.1330/	0.0	0.1300		N	OPERATED PRESS SECTI ON OF PIPE MACHINE
2. 4854	0309	10:43	12:43	120	0.0000	0.2420/	0.0	0.2400		N	OPERATED PRESS SECTI ON OF PIPE MACHINE
3. 4854	0310	13:03	14:53	110	0.0000	0.3450/	0.0	0.3500		N	OPERATED PRESS SECTI ON OF PIPE MACHINE

Seq T Name MORALES, DAVID E.

0078 P Soc Sec 549-52-6935
Date 01/07/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job TENDER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.190000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0305	08:30	11:30	180	0.0000	0.1700/	0.0	0.1700		N	TENDED PIPE MACHINE
2. 4854	0306	11:30	13:45	135	0.0000	0.1770/	0.0	0.1800		N	TENDED PIPE MACHINE
3. 4854	0307	13:45	14:50	65	0.0000	0.2630/	0.0	0.2600		N	TENDED PIPE MACHINE

Seq T Name DOBBS, JEFF M.
0079 P Soc Sec 571-92-9159

Date 01/06/1981
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE - 1/4
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.420000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 1/4 MEO

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 03744	0304	08:30	16:00	450	0.0000	0.4150/	0.0	0.4200		N	1/4 LINE LATHE OPER. MACH & TEST 8" 150 1/4 LINED

Seq T Name RICHARDSON, JERRY D.
0080 P Soc Sec 557-96-1876

Date 01/06/1981
Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.390000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1. 4854	0301	08:34	11:33	179	0.0000	0.4030/	0.0	0.4000		S	DISPOSABLE SINGLE USE MIXERMAN
2. 4854	0302	11:33	14:05	152	0.0000	0.3690/	0.0	0.3700		S	DISPOSABLE SINGLE USE MIXERMAN
3. 4854	0303	14:05	14:45	40	0.0000	0.4000/	0.0	0.4000		S	DISPOSABLE SINGLE USE MIXERMAN ALSO RAN SWEEPER 20 MIN.

*** End Of Report *** DREXLESL

CTD023134



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-75

PLANT 260 Riverside		PLANT 260		DATE OF TEST 12/17/91	
EMPLOYEE NAME R Schieleke		PAYROLL NUMBER 3635		JOB TITLE FINISHING SUPERVISOR	
PUMP MANUFACTURER MSA		SERIAL NUMBER 002899		FLOW RATE (lpm) 1.94	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0624	0819	1251	Routine Supervisory Function -	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES	-	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
6" 150 pipe - Line #1	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS (AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 70	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
WIND DIRECTION NE	WIND VELOCITY 15

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN 13 FIELDS = 130 f/f	B-L	.0061 mm ²	K = 856 = FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0624	13	100	.130	-	760	f/f x K = .024 LITERS	392	9.4
TOTALS							392	9.4

TIME WEIGHTED AVERAGE	
TOTAL f/cc x MIN.	TWA
.024 f/cc	

SIGNATURE OF SAMPLER MZZ	SIGNATURE OF ANALYST MZZ
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>Riverside</i>		PLANT 260	DATE OF TEST 12/16/81
EMPLOYEE NAME WILSON	PAYROLL NUMBER 116	JOB TITLE ACCESSORIES INSPECTOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 002899	FLOW RATE (lpm) 1.82	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0623	810	1310	NORMAL INSPECTION OF COUPLINGS & ACCESSORIES	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>Couplings - Fm's - Accessories</i>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>70</i> WIND DIRECTION <i>NA</i> WIND VELOCITY <i>NA</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>fff</i>	MICROSCOPE MAKE & MODEL <i>BL</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff - VOLUME x K = floc LITERS	TOTAL SAMPLE TIME (MIN)	floc x MIN.
0623	37.0	100	.37		768.6	$\frac{fff}{LITERS} \times K = .067$	420	28.30
TOTALS							420	28.30

TIME WEIGHTED AVERAGE TOTAL floc x MIN. = TWA TOTAL MIN. <i>.067</i> floc
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SIGNATURE OF SAMPLER <i>WJ</i>	SIGNATURE OF ANALYST <i>J. Mergerson</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT 260 Riverside		PLANT	DATE OF TEST 12/15/81
EMPLOYEE NAME C. HAMILTON	PAYROLL NUMBER 132	JOB TITLE Fittings Maker	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 03744	FLOW RATE (lpm) 1.83	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0620	820	315	NORMAL Routine - Sawing & Fabrication of Fittings.	

DID EMPLOYEE WEAR RESPIRATORY? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 4" SEWER WYES & TEES, ECT	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 70 WIND DIRECTION NA WIND VELOCITY NA	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN FIELDS = 115	MICROSCOPE MAKE & MODEL BAE	FIELD AREA .0061 mm ²	CONSTANT K = 855 FIELD AREA x 1000 = 142
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f x VOLUME x K = floc LITERS	TOTAL SAMPLE TIME (MIN)	floc x MIN.
0620	23	100	.23		759.4	042	415	17.62
TOTALS							415	17.62

TIME WEIGHTED AVERAGE TOTAL floc x MIN. = TWA TOTAL MIN. 042 floc
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SIGNATURE OF SAMPLER MZF	SIGNATURE OF ANALYST L. Megawer
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PLANT RIVERSIDE		PLANT 06012111187	DATE OF TEST 06012111187
EMPLOYEE NAME CANTRELL	PAYROLL NUMBER 104	JOB TITLE RELIEF MAN.	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 02899	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0617	732	133	General duties as Relief operator:	
			Relieves other crew members during	
			break periods	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 78 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0061 mm²	CONSTANT K = 855 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0617	19.5	102	.195		722	$\frac{115}{722} \times K = .038$	361	13.7
TOTALS							361	13.7

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. .038 f/cc
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SIGNATURE OF SAMPLER <i>T. Megawer</i>	SIGNATURE OF ANALYST <i>T. Megawer</i>
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ASBESTOS MONITORING DATA SHEET

NO. 21-71

PLANT RIVERSIDE		PLANT DATE OF TEST 26/12/11	
EMPLOYEE NAME PLAZA	PAYROLL NUMBER 345	JOB TITLE TRAIL LOADER	CODE
PUMP MANUFACTURER MISA	SERIAL NUMBER 03744	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
1/18	750	203	NORMAL ROUTINE	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F (AVERAGE) 72	WIND DIRECTION	WIND VELOCITY	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN FIELDS = f/f	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0061 mm ²	CONSTANT K = 855 FIELD AREA x 1000 = 1.10
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
06/18	14	100	.140	-	746	f/f x K = .026 LITERS	373	9.80
TOTALS							373	9.80

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN. .026 f/cc
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SIGNATURE OF SAMPLER T. McQuay	SIGNATURE OF ANALYST MTJ
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>RIVERSIDE</i>		PLANT	DATE OF TEST <i>26012/14/81</i>
EMPLOYEE NAME <i>D. MORALES</i>	PAYROLL NUMBER <i>105</i>	JOB TITLE <i>MACHINE TENDER</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>02899</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>0611</i>	<i>748</i>	<i>210</i>	<i>TENDS PIPE MACH. CLEANS SHOWERS</i>	
			<i>SETS DIALS; KEEPS UP CHARTS - COORDINATES</i>	
			<i>PRODUCTION INSTRUCTIONS -</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>12" 150 PIPE</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>71</i>	(AVERAGE) WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT: FIBERS IN _____ FIELDS = <i>fff</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>0061 mm²</i>	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = \underline{1.4}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED $fff + \text{VOLUME} \times K = f/cc$		TOTAL SAMPLE TIME (MIN)	$f/cc \times \text{MIN.}$
						LITERS	$fff \times K =$		
<i>0611</i>	<i>18.5</i>	<i>100</i>	<i>.185</i>		<i>764</i>	<i>.034</i>		<i>382</i>	<i>12.95</i>
TOTALS								<i>382</i>	<i>12.95</i>

TIME WEIGHTED AVERAGE	
TOTAL $f/cc \times \text{MIN.}$	TOTAL MIN
<i>034</i>	<i>f/cc</i>

SIGNATURE OF SAMPLER <i>A. M. [Signature]</i>	SIGNATURE OF ANALYST <i>lm</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT		DATE OF TEST	
RIVERSIDE		2/20/81	
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
JOHN S. S.	259	MANHOLE MAN.	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
ALSA	03744	1.318	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
1	7:43	8:00	MANHOLES MANHOLE - PIPE UNIT OPERATES	
			ROTAC MOVES MANHOLE - PIPE TO POSITION	
			OVER CONVEYOR	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
PIPE	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	70	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 11	8-1	0.061 mm ²	K = 855 / (FIELD AREA x 1000) = 141

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
1	20	100	.200		185.38	f/f x K = .041 LITERS	317	15.40
TOTALS							317	15.40

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
.041 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
J. H. Gager	W. H.

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Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-68

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				260	12/8/81
EMPLOYEE NAME		PAYROLL NUMBER	JOB TITLE	CODE	
E SAN/ISA		197	TRAY LOADER - TRUCK OPER		
PUMP MANUFACTURER		SERIAL NUMBER	FLOW RATE (lpm)		
AISA		02999	2.0		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0619	733	215	LOADS PIPE INTO TRAYS AT END OF 2 COILS GIVEN;	
			TRUCKS TRAYS TO BOGIES; CHANGES MANIFOLDS	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
24FT 60; 24150 PIPE	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	80	PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW
WIND DIRECTION		WIND VELOCITY			

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>115</u>	B L	<u>0.006</u> mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0619	13	100	.13		804	$\frac{115}{\text{LITERS}} \times K = .023$	402	9.11
TOTALS							402	9.11

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.

.023 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
A. Megargan	A. Megargan

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

ASBESTOS MONITORING DATA SHEET

NO. 81-67

PLANT		DATE OF TEST	
RIVERSIDE		1/21/81	
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
J. CASAS	263	PRESS OPERATOR	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
	03744	1.586	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0612	737	218	OPERATED PRESS	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
24 FT 60 ; 24" 150 PIPE	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☒ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	80	PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = f/f	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = 141$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0612	28.5	100	.285	-	756.28	$\frac{f/f \times K}{\text{LITERS}} = \frac{.285 \times 141}{.053} = 756.28$	401	21.160
TOTALS							401	21.160

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
.053 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
Larry Megarson	lm

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT	DATE OF TEST 2601217	181
EMPLOYEE NAME J. RICHARDSON		PAYROLL NUMBER 187	JOB TITLE MIXERMAN	
PUMP MANUFACTURER MISA		SERIAL NUMBER 03744	FLOW RATE (lpm) 1.85	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
102V	802	1200	SETS UP BATHES OF OF FIBER ON CONVEYOR	
0614	1200	245	OPERATES BAG OPENER - OPERATES #3 LIFT TR.	
			RUNS SWEEPER WHEN TIME PERMITS.	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	8710	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
24" ISO ; 24" FT60 PIPE	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	76	WIND DIRECTION	WIND VELOCITY	PARTLY CLOUDY	FOG
				☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN 115 FIELDS = 115	B-L	.0061 mm²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 14.1$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
102V	21.0	100	.210		440.3	$\frac{f/f \times K}{\text{LITERS}} = .067$	238	15.89
0614	12.5	100	.125		305.2	$.057$	165	9.46
TOTALS							403	25.35

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN = TWA
.067 f/cc

SIGNATURE OF SAMPLER <i>L. Mcg...</i>	SIGNATURE OF ANALYST <i>...</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-65

PLANT		RIVERSIDE		PLANT	DATE OF TEST	
				260	12/7/91	
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE		CODE
11 ALLAN		324		LATHE OPERATOR		
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)		
115A		002877		1.88		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
115	158	1203	OPERATES AUTOMATIC LATHE - LINE #1	
115	1203	303		

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
A. HALL TESTING - PKG OF 8" 150 PIPE	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	☒ 70	☒ WIND DIRECTION	☒ WIND VELOCITY	☐ PARTLY CLOUDY	☐ FOG
				☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = f/f	B-L	10061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc		TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
						f/f	LITERS		
115	16	100	.160		460.6	f/f x K =	.049	245	11.91
115	11	100	.110		338.4		.046	180	8.19
TOTALS								425	20.1

TIME WEIGHTED AVERAGE	
TOTAL f/cc x MIN	
TOTAL MIN	
TWA	
.047 f/cc	

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. Meza	T. Meza

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP; HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				240	12/4/81
EMPLOYEE NAME		PAYROLL NUMBER	JOB TITLE	CODE	
JOE CONTRERAS		240	MIXERMAN		
PUMP MANUFACTURER		SERIAL NUMBER	FLOW RATE (lpm)		
NISA		03744	2.0		

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
607	830	250	SET UP FIBER BAGS ON CONVEYOR	
			OPERATE AND LOCK TEND BAG MACHINE	
			OPERATED CRANE 15 MIN.	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	8710	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS (AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 74	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 114	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = 141$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
607	35.5	100	.355	—	760	$\frac{f/f \times K}{\text{LITERS}} = \frac{.355 \times 141}{.0061} = 8065$	380	24.85
TOTALS							380	24.85

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
.0065 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. McGuire	LM

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP: HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>RIVERSIDE</i>		PLANT <i>J60121</i>	DATE OF TEST <i>3/81</i>
EMPLOYEE NAME <i>A GRAM 1440</i>	PAYROLL NUMBER <i>109</i>	JOB TITLE <i>G.O. LAB. INSPECTOR</i>	CODE
PUMP MANUFACTURER <i>NISA</i>	SERIAL NUMBER <i>002899</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>1408</i>	<i>840</i>	<i>307</i>	<i>Routine LAB WORK PLUS INSPECTION ON FLOOR INVOLVING COUPLINGS</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL <i>8710</i>	REMARKS <i>USES RESPIRATOR WHEN TESTING RAW MATERIAL</i>
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE

EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>69</i> (AVERAGE)	WIND DIRECTION <i>SE</i>	WIND VELOCITY <i>10</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN <i>35.5</i> FIELDS = <i>100</i> <i>sf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED <i>sf</i> + VOLUME x K = <i>sfcc</i>	TOTAL SAMPLE TIME (MIN)	<i>sfcc</i> x MIN.
<i>608</i>	<i>35.5</i>	<i>100</i>	<i>.355</i>	<i>-</i>	<i>774</i>	$\frac{\text{sf} \times K}{\text{LITERS}} = .064$	<i>387</i>	<i>24.85</i>
TOTALS							<i>387</i>	<i>24.85</i>

TIME WEIGHTED AVERAGE TOTAL <i>sfcc</i> x MIN. = TWA TOTAL MIN. <i>.064 sfcc</i>

SIGNATURE OF SAMPLER <i>P. McGuire</i>	SIGNATURE OF ANALYST <i>Lm</i>
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PLANT		DATE OF TEST	
RIVERSIDE		260121 B/E	
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
G SPINCRANT	123	STRIPPER	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
NISA	03744	196	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
609	825	256	STRIPS MANURELS FROM PIPE; ROLLS PIPE TO #2 OVER CONVEYOR	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
8" 150; 6150 pipe	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	69	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = flf	B-L	10061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
609	20	100	.20		766.36	$\frac{\text{flf} \times K}{\text{LITERS}} = .037$	391	14.47
TOTALS							391	14.47

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
.037 flcc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. Megawee	T. Megawee

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PLANT <i>Riverside</i>		PLANT 260	DATE OF TEST 12/1/81
EMPLOYEE NAME 440 VPR	PAYROLL NUMBER	JOB TITLE Shipping Supervisor	CODE
PUMP MANUFACTURER PISA	SERIAL NUMBER 03744	FLOW RATE (lpm) 1.98	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
10830	410		NORMAL DUTIES - SUPERVISING SHIPPTG OPERATION; TRAVELS THE STG. YARD WITH ELECT. CART	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☒ NOT FUNCTIONING NORMALLY	REMARKS WORKS OUT OF DOORS
---	-------------------------------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>68</i> WIND DIRECTION <i>NE</i> WIND VELOCITY <i>30</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
00610	17.5	100	.175		910.8	$\frac{\text{flf} \times K}{\text{LITERS}} = .027$	460	12.39
TOTALS							460	12.39

TIME WEIGHTED AVERAGE TOTAL flcc x MIN = TWA TOTAL MIN.
<i>.027 flcc</i>

SIGNATURE OF SAMPLER <i>ARL</i>	SIGNATURE OF ANALYST <i>T. Mcghee</i>
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PLANT <i>RIVERSIDE</i>		PLANT	DATE OF TEST <i>3/6/11/30/11</i>
EMPLOYEE NAME <i>CORRAL</i>	PAYROLL NUMBER <i>135</i>	JOB TITLE <i>SHIPPING - LIFT TRUCK OPER</i>	
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>02741</i>	FLOW RATE (lpm) <i>1.12</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>0604</i>	<i>3:57</i>	<i>4:12</i>	<i>NORMAL - SHIPPING Pipe & MOVING Pipe, cut</i>	
			<i>DRIVES LIFT TRUCK</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>1 1/4</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☒ NOT FUNCTIONING NORMALLY	REMARKS <i>WORKS OUT OF DOORS</i>
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>65</i> WIND DIRECTION <i>SE</i> WIND VELOCITY <i>10</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN <i>15</i> FIELDS = <i>15</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.016</i> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>0604</i>	<i>15.0</i>	<i>100</i>	<i>.15</i>		<i>835.7</i>	<i>f/f x K = .025</i>	<i>435</i>	<i>10.95</i>
TOTALS							<i>435</i>	<i>10.95</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN. <i>.025 f/cc</i>

SIGNATURE OF SAMPLER <i>T. Mezger</i>	SIGNATURE OF ANALYST <i>T. Mezger</i>
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ASBESTOS MONITORING DATA SHEET

NO. 81-51

PLANT		RIVERSIDE		PLANT	DATE OF TEST
EMPLOYEE NAME		PAYROLL NUMBER	JOB TITLE	CODE	
E. PALOMERA		360	TRAY LOADER		
PUMP MANUFACTURER		SERIAL NUMBER	FLOW RATE (lpm)		
N/A		002899	1.88		

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
00605	825	251	NORMAL - Loading pipe into TRAYS, etc	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
1" F + 35 + 21" F + 35 + 18" F + 35 Pipe	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☒ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	AVERAGE	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	60	☒	☒	☐	☐
WIND DIRECTION	WIND VELOCITY	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = fff	B-L	.0061 mm ²	K = 855 = FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = fcc	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
00605	225	100	.225		725.68	fff x K = 1043 LITERS	386	16.60
TOTALS							386	16.60

TIME WEIGHTED AVERAGE
TOTAL fcc x MIN = TWA
TOTAL MIN.
1043 fcc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>[Signature]</i>	<i>[Signature]</i>

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

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Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-57

PLANT <i>Riverside 200</i>		PLANT <i>260</i>	DATE OF TEST <i>11/25/81</i>
EMPLOYEE NAME <i>GILLERLAND</i>	PAYROLL NUMBER <i>352</i>	JOB TITLE <i>Hydro Test Operator</i>	CODE
PUMP MANUFACTURER <i>HISA</i>	SERIAL NUMBER <i>03744</i>	FLOW RATE (lpm) <i>1.96</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>597</i>	<i>007</i>	<i>1246</i>	<i>Normal Job Duties -</i>	
<i>593</i>	<i>1246</i>	<i>320</i>	<i>TESTING PIPE WITH HYDROTESTER.</i>	
			<i>APPROX. 1 HR. CHANGE OVER SIZE.</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>-</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>150 1/2 med's; 6' 150 PIPE</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>67</i>	WIND DIRECTION <i>NA</i>	WIND VELOCITY <i>NA</i>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>fff</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>00061</i> mm ²	CONSTANT $K = \frac{856}{\text{FIELD AREA} \times 1000} = \frac{856}{61} = 14.0$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.	
<i>597</i>	<i>40</i>	<i>100</i>	<i>.40</i>		<i>546.84</i>	$\frac{fff \times K}{\text{LITERS}} = \frac{.40 \times 14.0}{1.03} = 5.79$	<i>579</i>	<i>28.60</i>	
<i>593</i>	<i>65</i>	<i>100</i>	<i>.65</i>		<i>301.84</i>	$\frac{.65 \times 14.0}{1.301} = 7.14$	<i>154</i>	<i>46.43</i>	
TOTALS								<i>433</i>	<i>7503</i>

TIME WEIGHTED AVERAGE	
TOTAL floc x MIN.	TWA
<i>1173</i>	<i>floc</i>

SIGNATURE OF SAMPLER <i>MZ</i>	SIGNATURE OF ANALYST <i>MZ</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT		PLANT		DATE OF TEST	
RIVERSIDE		26011		1/25/81	
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
J. JAMES		161		42" BORING MILL	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA		002899		1.95	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
516	805	1238	OPERATES 42" BORING MILL. FEEDS CPLGS.	
598	1238	318	AND ASIDES CPLGS FROM CONVEYOR.	
			MAKES TOOL CHANGES + CHANGE OVERS	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
18" Ft 35 Couplings	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	64	PARTLY CLOUDY	FOG	SHOWERS	SNOW

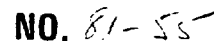
BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = fff	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = 14$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = fcc	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
516	30	100	.30		532.35	fff x K = .079 LITERS	273	21.5
598	28	100	.28		312	.126	160	20.1
TOTALS								433 41.6

TIME WEIGHTED AVERAGE
TOTAL fcc x MIN. = TWA
TOTAL MIN.
.106 fcc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
J. Megarizer	A. Z. Ladd

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



PLANT															PLANT		DATE OF TEST				
RIVERSIDE															260		11/24/81				
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE	
C HAMPTON										155					ASST LATHE OPER + TR. OPER						
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)						
MSA										03744					1.85						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0572	820	1059	DRIVES LIFT TRUCK TO BRING PIPE FROM	
0586	1132	325	YARD TO PRODUCTION LINES. ASSIST;	
			WITH LATHE + TOOL ADJUSTMENT	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		EMPLOYEE PROTESTED BEING MONITORED.

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)		CODE
8150 PIPE		

EXHAUST CONTROL SYSTEMS		REMARKS
☒ FUNCTIONING NORMALLY	☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS		AVERAGE			SUNNY	☐	CLOUDY	☐	HUMID	☐	RAIN	☐
OUTSIDE TEMPERATURE °F		62	WIND DIRECTION		WIND VELOCITY		PARTLY CLOUDY	☐	FOG	☒	SHOWERS	☐
											SNOW	☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = _____ f/f	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = \frac{855}{.0061 \times 1000} = 140.16$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED $\bar{f} \div \text{VOLUME} \times K = \bar{f} \text{cc}$	TOTAL SAMPLE TIME (MIN)	$\bar{f} \text{cc} \times \text{MIN.}$
						$\bar{f} \div K$ LITERS		
0572	—	4010			257.15		139	
0586	51	100	.510		431.05		233	38.59
TOTALS							233 372	38.59

TIME WEIGHTED AVERAGE
 $\frac{\text{TOTAL } f_{cc} \times \text{MIN}}{\text{TOTAL MIN.}} = \text{TWA}$
 . 1 6 6 f/cc

SIGNATURE OF SAMPLER <i>L. Megawee</i>	SIGNATURE OF ANALYST <i>Jm</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROO-TEMPORARY PLANT COPY



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-24

PLANT <i>Riverside 260</i>		PLANT <i>260</i>	DATE OF TEST <i>11/24/81</i>
EMPLOYEE NAME <i>Dobbs</i>	PAYROLL NUMBER <i>323</i>	JOB TITLE <i>1/4 Fm LATHE</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>002899</i>	FLOW RATE (lpm) <i>1.85</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>0587</i>	<i>823</i>	<i>1141</i>	<i>NORMAL PRODUCTION - OPERATES</i>	
<i>0591</i>	<i>1141</i>	<i>320</i>	<i>1/4 LATHE LINE - HYDROTESTER</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>—</i>	REMARKS <i>—</i>
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>1/4 Length 6" 150 pipe</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>60</i> (AVERAGE)	WIND DIRECTION <i>NA</i>	WIND VELOCITY <i>NA</i>	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☒ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN <i>—</i> FIELDS = <i>—</i> f/f	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = <i>855</i> = <i>—</i> FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>0587</i>	<i>32.5</i>	<i>100</i>	<i>.325</i>		<i>366.3</i>	<i>.124</i>	<i>198</i>	<i>24.62</i>
<i>0591</i>	<i>54.5</i>	<i>100</i>	<i>.545</i>		<i>405.15</i>	<i>.188</i>	<i>219</i>	<i>41.21</i>
TOTALS							<i>417</i>	<i>65.91</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
<i>4158</i> f/cc

SIGNATURE OF SAMPLER <i>L. Todd</i>	SIGNATURE OF ANALYST <i>J. Mezger</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT 260		RIVERSIDE		PLANT	DATE OF TEST 11/23/91
EMPLOYEE NAME D. COOLPY		PAYROLL NUMBER 131	JOB TITLE COUPLING CUT-OFF OPERATOR		CODE
PUMP MANUFACTURER		SERIAL NUMBER 4854	FLOW RATE (lpm) 1.89		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
00589	854	1233	NORMAL OPERATION - CPLG CUT-OFF MACHINE	
00590	1233	214	NORMAL OPERATION - CUTS CPLGS + PALLETIZES COUPLINGS	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 3M 8710	REMARKS WEARS RESPIRATOR WHEN BRUSHING CUTTINGS... AFTER COMPLETION OF CUTTING OPERATION.
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8" 150 couplings	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 75	WIND DIRECTION NA	WIND VELOCITY NA	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 5 ffs	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0.0061 mm ²	CONSTANT K = $\frac{856}{\text{FIELD AREA} \times 1000} = 146$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED ffs	VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	ffcc x MIN.
00589	48.0	100	.48	-	413.91	ffs x K =	.162	219	35.56
00590	46.5	100	.465	-	190.89		.344	101	34.44
TOTALS								320	70.00

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. .218 f/cc

SIGNATURE OF SAMPLER MIL	SIGNATURE OF ANALYST MIL
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT 260		PLANT	DATE OF TEST	
260		260	11/23/81	
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE		CODE
L GIL	118	LARGE FM LATHE OPERATOR		
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)		
MSA	002899	1.95		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
588	923	1234	NORMAL OPERATION-OPERATES FM LATHE	
595	1234	322	NORMAL OPERATION + PKGS PRODUCT FROM HIS LATHE OPERATION.	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
8"200 1/4 FM'S — 8"200 1/4 MEQ'S — 8"150 1/2 FM'S	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	75	☒	☐	☐	☐
WIND DIRECTION	NA	PARTLY CLOUDY	FOG	SHOWERS	SNOW
		☐	☐	☐	☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = _____ f/f	B-L	0061 mm ²	K = 856 FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f x VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
10588	25.0	100	.25		372.45	f/f x K = LITERS .074	191	17.95
10595	14.5	100	.145		327.6	.062	168	10.42
TOTALS							359	28.37

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN = TWA
TOTAL MIN.
.079 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
A. Z. J.	[Signature]

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 91-51

PLANT		PLANT	DATE OF TEST
RIVERSIDE		26011	2019
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
JOHNAT BIVENS	241	NET TESTER	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
11514	03744	2.0	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
511	750	321	TESTING COUPLINGS WITH NET TESTER	
			MACHINE - INSTALL RUBBER RINGS	
			IN COUPLINGS - REMOVE 1 RING FROM	
			COUPLING.	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN	
OUTSIDE TEMPERATURE °F	WIND DIRECTION	WIND VELOCITY	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = f/f	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
511	44.5	100	.445		902	$\frac{\text{f/f} \times \text{K}}{\text{LITERS}} = .069$	451	31.18
TOTALS								451 31.18

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
.069 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. Megawer	T. Megawer

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 71-50

PLANT		RIVERGIDE		PLANT	DATE OF TEST		7/20/11/20/11	
EMPLOYEE NAME				PAYROLL NUMBER		JOB TITLE		CODE
16245 2040				212		NET TESTER		
PUMP MANUFACTURER				SERIAL NUMBER		FLOW RATE (lpm)		
NISA				4854		1.72		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
4	7:53	1:53	TEST CPLGS WITH IUT TEST MACHINE - REMOVE AND INSTALL RINGS	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	65	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = f/f	B & L	.0061 mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 146$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIELDS	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc		TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
							LITERS			
2594	32	100	22			460.8	f/f x K =	0.72	240	17.49
TOTALS									240	17.49

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
0.72 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
Larry Megargue	L. Megargue

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 7147

PLANT		DATE OF TEST	
LIVERMERE		4/11/80	
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
G. O. OWEN	138	QC. INSPECTOR - LINE	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
LISA	0022-19	1.72	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
115	805	322	INSPECTING PIPE ON FINISHING LINE	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
Line # 3 Line # 2	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	15	WIND DIRECTION	WIND VELOCITY	PARTLY CLOUDY	FOG
				☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 115	T3-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0555	275	100	2.75		800.64	$\frac{f/f \times K}{\text{LITERS}} = .069$	417	28.84
TOTALS								417 28.84

TIME WEIGHTED AVERAGE
$\frac{\text{TOTAL f/cc} \times \text{MIN}}{\text{TOTAL MIN}} = \text{TWA}$
.069 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
A. L. Gadd	A. Megarick

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



NO. 48

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		DATE OF TEST 26 01 / 19 / 81	
EMPLOYEE NAME ALBERT AVERY	PAYROLL NUMBER 350	JOB TITLE PIPE HANDLER	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.85	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0583	805	320	BELL PIPE; PACKAGE PIPE; MAKE UP DUNNAGE CLEANED LUMBER 1.5 HRS	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 18 FT & 34" FT	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS	(AVERAGE)	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 64	WIND DIRECTION NW	WIND VELOCITY 8 ☒ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 11	MICROSCOPE MAKE & MODEL BL	FIELD AREA 0061 mm ²	CONSTANT K = 855 = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0583	65	100	65		804.75	113	435	49.2
TOTALS							435	49.2

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 113 f/cc

SIGNATURE OF SAMPLER L. Megaw	SIGNATURE OF ANALYST T. Megaw
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PLANT RIVERSIDE		PLANT	DATE OF TEST 260111/11/11
EMPLOYEE NAME STANFELD	PAYROLL NUMBER 159	JOB TITLE LINE TRUCK OPER	CODE
PUMP MANUFACTURER ASA	SERIAL NUMBER 4854	FLOW RATE (lpm) 2.00	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
1	1001	1000	DRIVING LINE LIFT TRUCK - TRANSPORTING FINISHED GOODS TO STORAGE YARD	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 24" FT AND 18" FT 35	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS PUMP REMOVED TO CHECK BATTERY + CALIBRATION
---	---

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 64 WIND DIRECTION NE WIND VELOCITY 8	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 mm ²	CONSTANT K = 856 FIELD AREA x 1000
--	---------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
582	22	100	.22		360	.090	180	16.11
TOTALS							180	16.11

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN .090 f/cc

SIGNATURE OF SAMPLER M. Z. Feld	SIGNATURE OF ANALYST L. H. H. H. H.
---	---

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ASBESTOS MONITORING DATA SHEET

NO. 8-45

PLANT		PLANT	DATE OF TEST
EMPLOYEE NAME		PAYROLL NUMBER	JOB TITLE
PUMP MANUFACTURER		SERIAL NUMBER	FLOW RATE (lpm)

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
576			CUTTING 8" 150-FM 1/4 LENGTH FROM 13-D LENGTHS	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
8" 150 FM 1/4 LENGTH	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	70	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 115	B+L	.006 mm ²	K = 855

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
576	62.5	100	62.5		444	197	240	47.3
571	41.0	100	41.0		281	204	152	31.1
TOTALS							392	78.4

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN
2 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. Megaw	T. Megaw

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>RIVERSIDE</i>		PLANT	DATE OF TEST 11/1/11
EMPLOYEE NAME <i>KEE BEY</i>	PAYROLL NUMBER <i>257</i>	JOB TITLE <i>DRINKING WATER OPIC</i>	CODE
PUMP MANUFACTURER <i>1150</i>	SERIAL NUMBER <i>4854</i>	FLOW RATE (lpm) <i>1.32</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
119	1201	1242	OPERATING @ 2 SPRING HILL	
121	1242	1307		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL <i>P710 2A1</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>ASBESTOS 6" ISO CPGS</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
--	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>70</i> WIND DIRECTION <i>NE</i> WIND VELOCITY <i>27</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>fff</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
--	---------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
119	380	100	.38		367.64	$\text{fff} \times K = \frac{144}{\text{LITERS}}$	202	3.16
121							145	
2581	18.5	100	.185		263.9		145	1425
TOTALS								43.51

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. TOTAL MIN.
<i>1125</i> f/cc

SIGNATURE OF SAMPLER <i>T. McQuay</i>	SIGNATURE OF ANALYST <i>T. McQuay</i>
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Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 91-43

PLANT		PLANT		DATE OF TEST	
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
1	11:17		7000 - 7000 - 7000	
2	11:23	3:10	7000 - 7000 - 7000	
3				
4				
5				
6				
7				
8				
9				
10				

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
2" - 1" PUMP 1" 1/2" 2" 3" 4" 5" 6" 8" 10" 12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 32" 34" 36" 38" 40" 42" 44" 46" 48" 50" 52" 54" 56" 58" 60" 62" 64" 66" 68" 70" 72" 74" 76" 78" 80" 82" 84" 86" 88" 90" 92" 94" 96" 98" 100"	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	AVERAGE	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	70	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND DIRECTION	N.E.	WIND VELOCITY			

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = flf	B + L	.0061 mm ²	$K = \frac{855}{FIELD AREA \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED $flf \times VOLUME \times K = floc$	TOTAL SAMPLE TIME (MIN)	$floc \times MIN.$
1577	21.2	100	.210		434.8	$flf \times K = .0061$	2235	15.89
1580	19.0	111	.140		277.5		150	14.36
TOTALS								385 30.25

TIME WEIGHTED AVERAGE
$\frac{TOTAL floc \times MIN.}{TOTAL MIN.} = TWA$

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. McGehee	A. J.

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ASBESTOS MONITORING DATA SHEET

NO.

PLANT										PLANT		DATE OF TEST			
EMPLOYEE NAME										PAYROLL NUMBER		JOB TITLE		CODE	
PUMP MANUFACTURER										SERIAL NUMBER		FLOW RATE (lpm)			

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F	WIND DIRECTION	WIND VELOCITY
		PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = <i>fff</i>	<i>B-L</i>	<i>4451</i> mm ²	$K = \frac{855}{\text{FIELD AREA} \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED <i>fff</i> × VOLUME × K = <i>fff</i> × K =	TOTAL SAMPLE TIME (MIN)	<i>fff</i> × MIN.
15	33	100	1235		12720	<i>fff</i> × K = <i>267</i>	70	18.69
57	275	100	275		3454	<i>fff</i> × K = <i>115</i>	194	24.1
TOTALS								260 40.79

TIME WEIGHTED AVERAGE
TOTAL <i>fff</i> × MIN. = TWA
TOTAL MIN.
<i>.1155 f/cc</i>

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>Megawyer</i>	<i>L. Megawyer</i>

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

ASBESTOS MONITORING DATA SHEET

NO. 71-41

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/11/11
EMPLOYEE NAME PUTNAM	PAYROLL NUMBER 230	JOB TITLE BOXING MILL OPERATOR	
PUMP MANUFACTURER MISA-S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.85	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
1-4	7/23/11	3/1	OPERATED HAND-FED BOXING MILLS 1 + 2	
5-51/132	2024		TO MACHINE COUPLINGS;	
			SPENT 10 MINUTES ON 2 JFT PIPE.	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
8" 200 CPLGS; 10" 100 CPLGS - STD. RATE	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	85	☒ WIND DIRECTION	☒ WIND VELOCITY	☐ PARTLY CLOUDY	☐ FOG
				☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = flf		mm ²	K = 855 = FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
1566	67	100	67		458.8	$\frac{flf}{LITERS} \times K = \frac{67}{1.85} \times 855 = 31196$	248	45.61
1565	69.5	100	69.5		277.5	$\frac{69.5}{1.85} \times 855 = 362150$	150	54.44
TOTALS							398	103.05

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
25.7 flcc

SIGNATURE OF SAMPLER <i>A. Mezger</i>	SIGNATURE OF ANALYST <i>A. Mezger</i>
--	--

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Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-40

PLANT		RIVERSIDE		PLANT	DATE OF TEST
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
K A ESCHLIMAN		108		RELIEF OPERATOR	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA - S		4854		1.96	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
161	750	1149	RELIEVES OTHER JOB TITLES IN AIFE	
162	1149	249	STRIPPER, PRESS OPERATOR; TRAY-LOADER	
			MANUEL MAN; OPERATES LIFT TRUCK	
			TO UNLOAD FIBER FROM TRUCKS + STORE	
			IN WAREHOUSE	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	8710	WEARS RESP. WHEN SUBS FOR AIFE MAN

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
8" 150 PIPE AT 9.0 TS/HW	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN		
OUTSIDE TEMPERATURE °F	71.0	WIND DIRECTION	WIND VELOCITY	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 115	B. L.	0059 mm ²	K = 855

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
161	44.5	100	.445		468.4	f/f x K = 1137 LITERS	239	32.74
162	47.5	100	.475		352.8		180	35.10
TOTALS							419	67.84

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JUN - 4 1981
H. W. Blakeslee

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN = TWA
TOTAL MIN.
161 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>J. Mezger</i>	<i>J. Mezger</i>

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>PIPE/PLASTIC PLANT</i>		PLANT <i>260</i>	DATE OF TEST <i>5/27/81</i>
EMPLOYEE NAME <i>JOHN</i>	PAYROLL NUMBER <i>1</i>	JOB TITLE <i>ALFA — DRY FEED</i>	CODE
PUMP MANUFACTURER <i>ALFA - S</i>	SERIAL NUMBER <i>3744</i>	FLOW RATE (lpm) <i>1.856</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>568</i>	<i>11/29</i>	<i>255</i>	<i>PUMP POSITIONED 2'-0" FROM MID-DRY-FEED & 5'-0" HIGH/FLOOR</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
--	-------------------------	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>8" 150 PIPE</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS <i>Heavy Silica Dust Background</i>
--	--

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>70</i> WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>fff</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>0.59</i> mm ²	CONSTANT K = <i>856</i> = FIELD AREA x 1000
--	---------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>568</i>	<i>1025</i>	<i>100</i>	<i>1.025</i>		<i>382.3</i>	<i>fff x K = .388</i>	<i>206</i>	<i>19.92</i>
TOTALS							<i>206</i>	<i>19.92</i>

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN

<i>.36</i>	f/cc
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SIGNATURE OF SAMPLER <i>L. Mcgwire</i>	SIGNATURE OF ANALYST <i>L. Mcgwire</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>RIVERSIDE</i>		PLANT	DATE OF TEST <i>5/11/81</i>
EMPLOYEE NAME <i>TERSON</i>	PAYROLL NUMBER <i>143</i>	JOB TITLE <i>PRESS OPERATOR</i>	CODE
PUMP MANUFACTURER <i>MSA-5</i>	SERIAL NUMBER <i>4854</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>500</i>	<i>10:51</i>	<i>10:58</i>	<i>OPERATES PRESS. AT PIPE MACHINE</i>	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<i>20" FT 45 PIPE</i>	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	<i>HEAVY BACKGROUND</i>

WEATHER CONDITIONS	(AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F <i>76</i>	WIND DIRECTION <i>NE</i> WIND VELOCITY <i>10</i>	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <i>fff</i>	<i>BL</i>	<i>.0059 mm²</i>	$K = \frac{856}{\text{FIELD AREA} \times 1000}$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff - VOLUME x K = fcc	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
<i>500</i>	<i>575</i>	<i>100</i>	<i>.575</i>		<i>246</i>	$\frac{fff \times K}{\text{LITERS}} = .338$	<i>123</i>	<i>41.66</i>
TOTALS							<i>123</i>	<i>41.66</i>

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TIME WEIGHTED AVERAGE
TOTAL fcc x MIN = TWA
TOTAL MIN.
<i>.338 fcc</i>

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
--	--

PLANT RIVERSIDE		PLANT 250	DATE OF TEST 7/30/81
EMPLOYEE NAME J. PETERSON	PAYROLL NUMBER 193	JOB TITLE PRESS. OPER.	CODE
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.85	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
1559	804	106	OPERATES PRESS AT PIPE MACHINE;	
1560			ALSO CHECKS PIPE B.O.D. REMOVED	
			PUMP (L.M.) BECAUSE OF SCHEDULED	
			FELT CHANGE	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
---	-------------------------	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8" 2400 SEWER PIPE	CODE
--	------

EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
--	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 78 WIND DIRECTION NE WIND VELOCITY 7	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 515	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm²	CONSTANT K = 855 FIELD AREA x 1000
--	--------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
1559	47.0	100	.47		558.7	$\frac{f/f}{LITERS} \times K = \frac{.47}{558.7} \times 855 = .124$	302	36.81
TOTALS								302 36.81

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H. W. Blakeslee

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN
.124 f/cc

SIGNATURE OF SAMPLER <i>J. Meigs</i>	SIGNATURE OF ANALYST <i>J. Meigs</i>
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PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>5/1/81</i>
EMPLOYEE NAME <i>MEGAHAN</i>	PAYROLL NUMBER	JOB TITLE <i>42" BORING MILL</i>	CODE
PUMP MANUFACTURER <i>MSA-5</i>	SERIAL NUMBER <i>3744</i>	FLOW RATE (lpm) <i>1.92</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>557</i>	<i>900</i>	<i>251</i>	<i>BORING MILL BEING OPERATED</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
--	-------------------------	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>16" 150 CP/GS BEING MACHINED</i>	CODE
--	------

EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS <i>PUMP STATIONED NEAR DISCHARGE CONVEYOR</i>
---	--

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>68</i> WIND DIRECTION <i>SE</i> WIND VELOCITY <i>SE</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>35</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>10054</i> mm ²	CONSTANT K = <i>856</i> = FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc		TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
						f/f x K =	LITERS		
<i>557</i>	<i>3510</i>	<i>100</i>	<i>.35</i>		<i>673.92</i>	<i>.1075</i>	<i>351</i>	<i>26.4</i>	
TOTALS							<i>351</i>	<i>26.4</i>	

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
<i>.1075</i> f/cc

SIGNATURE OF SAMPLER <i>P. Megarson</i>	SIGNATURE OF ANALYST <i>P. Megarson</i>
--	--

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 5/22/81
EMPLOYEE NAME D. COOLEY	PAYROLL NUMBER 131	JOB TITLE COUPLING CUT-OFF OPER.	CODE
PUMP MANUFACTURER ASA-S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.85	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
543	736	1100	PUT CPLG BLANKS ON CPO MACHINE	
544	1134	258	ALSO OPERATED #2 LATHE 60 MIN.	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) PLG BLANKS: 8'150 + 6'150; 14'150 PIPE ON #2 LATHE	CODE
--	------

EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 48 WIND DIRECTION SE WIND VELOCITY 10 SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL B.L.	FIELD AREA 1.0059 mm²	CONSTANT K = 855 FIELD AREA x 1000
--	--	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
563	74	100	.74		377.4	$\frac{f/f \times K}{LITERS}$ 1284	204	57.93
564	85	100	.85		377.4	1326	204	66.58
TOTALS							408	124.41

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
1304 f/cc

SIGNATURE OF SAMPLER <i>L. Meigs</i>	SIGNATURE OF ANALYST <i>L. Meigs</i>
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PLANT <i>DIVERSIDE</i>		PLANT <i>200</i>	DATE OF TEST <i>4/24/81</i>
EMPLOYEE NAME <i>LESLIEUR</i>	PAYROLL NUMBER <i>142</i>	JOB TITLE <i>LATHIE ASST & TRUCK OPER</i>	CODE
PUMP MANUFACTURER <i>MSA-5</i>	SERIAL NUMBER <i>4854</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>554</i>	<i>803</i>	<i>1200</i>	<i>DRIVES LIFT TRUCK TO BRING PIPE IN FROM</i>	
<i>555</i>	<i>1305</i>	<i>301</i>	<i>YARD TO LATHIE - ASSETS LATHIE OPERATOR</i>	
			<i>HANDUNG PIPE INTO LATHIE; UNLOADS TRAYS</i>	
			<i>OF PIPE TO LATHIE TABLE.</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>16150 PIPE</i>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>69</i> WIND DIRECTION <i>SE</i> WIND VELOCITY <i>10</i>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☒ SHOWERS ☐ SNOW ☐
---	---

BLANK FIBER COUNT FIBERS IN <i>45</i> FIELDS = <i>45</i> f/f	MICROSCOPE MAKE & MODEL <i>BL</i>	FIELD AREA <i>.0059</i> mm ²	CONSTANT K = <i>855</i> FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>554</i>	<i>45</i>	<i>100</i>	<i>.45</i>		<i>474</i>	<i>137</i>	<i>237</i>	<i>32.60</i>
<i>555</i>	<i>24</i>	<i>100</i>	<i>.24</i>		<i>362</i>	<i>96</i>	<i>181</i>	<i>17.38</i>
TOTALS								<i>418 49.98</i>

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN.
<i>111</i> f/cc

SIGNATURE OF SAMPLER <i>T. Magnus</i>	SIGNATURE OF ANALYST <i>T. Magnus</i>
--	--

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

ASBESTOS MONITORING DATA SHEET

NO. 81-33

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				260	4/24/81
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE		CODE	
11 42 LEM	324	LATHE OPERATOR			
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)			
MSA - S	3714	1.72			

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
558	8:51	1:58	OPERATES LATHE #3; MAKES TOOL CHANGES	
556	11:58	3:02		

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
16" ISO PIPE: MACHINE ENDS.	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	68	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>sf</u>	BL	.0059 mm ²	K = <u>855</u> = <u>FIELD AREA x 1000</u>

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
558	46.0	100	.46		447.3	$\frac{sf}{LITERS} \times K = .149$	233	34.72
556	39.5	100	.295		345.6	$\frac{sf}{LITERS} \times K = .123$	180	22.20
TOTALS							413	56.92

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TIME WEIGHTED AVERAGE
TOTAL sfcc x MIN. - TWA
.137 sfcc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>P. Mezger</i>	<i>P. Mezger</i>

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ASBESTOS MONITORING DATA SHEET

NO. 81-32

PLANT RIVERSIDE		PLANT	DATE OF TEST 2/22/81
EMPLOYEE NAME D. BOND	PAYROLL NUMBER 212	JOB TITLE WET TESTER	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 374Y	FLOW RATE (lpm) 1.72	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
552-1	726	1222	TESTS COUPLING; INSERTS RINGS IN	
552-2	1222	240	COUPLINGS; LOADS COUPLINGS FROM PALLET TO CONVEYOR	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 12150 COUPLINGS X 8150 COUPLINGS	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS NO EXHAUST EQUIPT AT WET TESTER
---	---

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 73 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm²	CONSTANT K = 855 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
552-1	93.5	100	.935		104.1	$\frac{f/f}{LITERS} \times K = .237$	296	70.15
552-2					237.3		138	34.42
TOTALS							434	94.57

SIGNATURE OF SAMPLER <i>L. Mearns</i>	SIGNATURE OF ANALYST <i>L. Mearns</i>
--	--

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. .217 f/cc
--

PLANT RIVERSIDE		PLANT	DATE OF TEST 262 4/22/81
EMPLOYEE NAME J. MORGAN	PAYROLL NUMBER 170	JOB TITLE MIXERMAN	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.92	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
551	7:16	10:21	SETTING UP BATCHES OF FIBER; OPERATING	
551	11:21	12:37	BAG OPENER; OPERATING LIFT TRUCK,	
9551			CLEANING HIS WORK AREA; RUNNING	
			SWEeper	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 8710	REMARKS WEARS RESP WHEN WORKING
---	--	---

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 16150 PIPE	CODE
--	------

EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
--	---------

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 73 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	---

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm ²	CONSTANT K = 855 FIELD AREA x 1000
--	--------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
551A	46.	100	.46		5856	f/f x K = 1113 LITERS	305	3471
713	34	100	.34		2611		136	2556
TOTALS							441	6027

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN TOTAL MIN.	TWA 1136 f/cc
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SIGNATURE OF SAMPLER <i>L. Megawee</i>	SIGNATURE OF ANALYST <i>L. Megawee</i>
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ASBESTOS MONITORING DATA SHEET

NO. 81-30

PLANT RIVERSIDE		PLANT	DATE OF TEST 200 4/11/11
EMPLOYEE NAME STEVEN	PAYROLL NUMBER 230	JOB TITLE BOILING MILL CR	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 4854	FLOW RATE (lpm) 192	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
9356	755	1234	MACHINING 8" ISO CPLGS ON BM	
9357	1234	241		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8" ISO CPLGS	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 72 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm²	CONSTANT K = 855 FIELD AREA x 1000
--	--------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
56	1495	100	1.495		535.68	$\frac{fff}{LITERS} \times K = 404$	279	112.71
57	905	100	.905		243.84	$\frac{fff}{LITERS} \times K = 537$	127	6830
TOTALS							406	1810.1

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 445 f/cc

SIGNATURE OF SAMPLER <i>L. Maguire</i>	SIGNATURE OF ANALYST <i>L. Maguire</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/16/81
EMPLOYEE NAME L GIL	PAYROLL NUMBER 118	JOB TITLE FM LATE OPR.	
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 3744	FLOW RATE (lpm) 186	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
3744	805	1235	MACHINED ENDS OF 1/4 LENGTHS	
3744	1235	242	PACKAGED & STENCILED	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) MISCELLANEOUS SIZES	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
--	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <u>72</u> (AVERAGE)	WIND DIRECTION <u>SE</u> WIND VELOCITY <u>SE</u>	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>flf</u>	MICROSCOPE MAKE & MODEL <u>BL</u>	FIELD AREA <u>10059</u> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
--	--------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
A3744	42	100	.42		509.22	$\frac{\text{flf} \times K}{\text{LITERS}} = 119$	270	32.13
B3744	25	100	.25		239.52	$\frac{\text{flf} \times K}{\text{LITERS}} = 151$	127	19.17
TOTALS							397	51.30

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TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. <u>129</u> flcc

SIGNATURE OF SAMPLER <i>T. Megaw</i>	SIGNATURE OF ANALYST <i>T. Megaw</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

ASBESTOS MONITORING DATA SHEET

NO. 81-28

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/10/81
EMPLOYEE NAME J L ED FORD	PAYROLL NUMBER 235	JOB TITLE WET TESTER	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.72	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
9354	830	1136	TEST COUPLINGS	
9355	1136	246	✓ ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
---	-------------------------	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 24" FT 50 CPLGS	CODE
---	------

EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 61 WIND DIRECTION SE WIND VELOCITY 1 PARTLY CLOUDY ☒ FOG ☒ SHOWERS ☐ SNOW ☐	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐
---	---

BLANK FIBER COUNT FIBERS IN _____ FIELDS = flf	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm²	CONSTANT K = 855 = FIELD AREA x 1000
--	--------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
354	37.5	100	.375		319.92	$\frac{flf}{LITERS} \times K = \frac{.375}{.0059} \times 855 = 54.81$	186	31.43
355	32.5	100	.325		326.80	$\frac{.325}{.0059} \times 855 = 47.81$	190	27.35
TOTALS							376	58.81

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TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN.
1156 flcc

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST
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PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/10/81
EMPLOYEE NAME D. MORALES	PAYROLL NUMBER 105	JOB TITLE MACHINE TENDER	
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.836	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
9	8	11:34	MACHINE TENDER - MONITORS & ADJUSTS	
9	11:34	2:38	PIPE MACHINE, CLEANS FILTERS (WATER)	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS EXPLAINED PURPOSE OF SAMPLING.
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) MFG 12" ISO PIPE	CODE
--	------

EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
--	---------

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 61	WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☒ SNOW ☐
--	--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm ²	CONSTANT K = 855 FIELD AREA x 1000
--	--------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
33	33.0	100	.33		396.65	.120	196	23.52
71	71.0	100	.71		347.02	.296	184	54.46
TOTALS							380	77.98

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
.205 f/cc

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/7/81
EMPLOYEE NAME T SILVA	PAYROLL NUMBER 115	JOB TITLE SCRAP CRUSHER	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.818	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
850	805	1210	CRUSHING MISC. SIZE PIPE & CPGS	
951	1210	250	DROVE TRUCK TO DUMP SITE (35 MIN.)	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 70 WIND DIRECTION WIND VELOCITY SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--

BLANK FIBER COUNT FIBERS IN FIELDS = f/f	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
850	43.0	100	.43		445.4	$\frac{f/f \times K}{\text{LITERS}} = \frac{.43 \times 855}{.0059}$ 139	245	34.05
951	28.5	100	.285		274.88	150	160	24.04
TOTALS							405	58.09

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN 143 f/cc

SIGNATURE OF SAMPLER <i>M. Maguire</i>	SIGNATURE OF ANALYST <i>A. Maguire</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/9/81
EMPLOYEE NAME PLAZA	PAYROLL NUMBER 345	JOB TITLE TRAYLOADER	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 3144	FLOW RATE (lpm) 1.785 1.785	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
348	9:47	11:42	TRAYLOADER - LOADS PIPE INTO TRAYS	
349	11:42	2:55	STENCILS PIPE - LEVELS TRAY SAND BED	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 6" 150 PIPE EXITING FROM #2 CURE TUNNEL	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 70 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>fff</u>	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm ²	CONSTANT K = $\frac{856}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
348	11	100	.11	205.28	205.28	$\frac{fff}{L} \times K =$ 0.77	115	8.93
349	5.5	100	.055	344.50	344.50	0.23	193	4.43
TOTALS							308	133.6

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN	.043 f/cc
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SIGNATURE OF SAMPLER <i>Megawen</i>	SIGNATURE OF ANALYST <i>Megawen</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

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NO. 81-23

PLANT		RIVERSIDE		PLANT	DATE OF TEST
360		4/1/81			
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
STANFIELD		159		LIFT TRUCK OPER	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA-S		3744		1.75	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
346	1241	139	DRIVING LIFT TRUCK - TRANSP. PIPE FROM	
347	1139	252	FINISHING DEPT. TO YARD & STORAGE	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
FINISHING :	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	65	WIND DIRECTION	SE	WIND VELOCITY	15
		PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = f/f	BL	2059 mm ²	K = 855 / (FIELD AREA x 1000)

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f ÷ VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
346	24.5	100	.245		446.25	f/f x K = 1.079 LITERS	255	20.14
347	19.5	100	.195		337.75		193	16.14
TOTALS							448	36.28

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
1.080 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>J. Megaw</i>	<i>J. Megaw</i>

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <u>RIVERSIDE</u>		PLANT <u>260</u>	DATE OF TEST <u>4/7/81</u>
EMPLOYEE NAME <u>D REYES</u>	PAYROLL NUMBER <u>259</u>	JOB TITLE <u>MIXERMAN</u>	CODE <u></u>
PUMP MANUFACTURER <u>MSA</u>	SERIAL NUMBER <u>4854</u>	FLOW RATE (lpm) <u>1.75</u>	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
<u>344</u>	<u>711</u>	<u>1143</u>	<u>MIXERMAN - PREPARES BATCH - SET UP;</u>	
<u>345</u>	<u>1143</u>	<u>253</u>	<u>OPERATES BAG OPENER; CLEAN-UP</u>	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <u>8710</u>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <u>MFG. : 8150 PIPE</u>	CODE <u></u>
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <u>65</u> WIND DIRECTION <u>SE</u> WIND VELOCITY <u>15</u>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN <u> </u> FIELDS = <u> </u> f/f	MICROSCOPE MAKE & MODEL <u>BL</u>	FIELD AREA <u>0059</u> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<u>344</u>	<u>85.5</u>	<u>100</u>	<u>.855</u>		<u>465.5</u>	$\frac{\text{f/f} \times \text{K}}{\text{LITERS}} = \frac{85.5 \times 0.0059}{100} = 266$	<u>266</u>	<u>10.75</u>
<u>345</u>	<u>68.5</u>	<u>100</u>	<u>.685</u>		<u>332.5</u>	$\frac{68.5 \times 0.0059}{100} = 298$	<u>190</u>	<u>56.62</u>
TOTALS						<u>456</u>	<u>127.37</u>	

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. <u>127.37</u> f/cc
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SIGNATURE OF SAMPLER <u>A. Mezger</u>	SIGNATURE OF ANALYST <u>A. Mezger</u>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/6/81
EMPLOYEE NAME LEEBS	PAYROLL NUMBER 245	JOB TITLE PIPE HANDLER	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.92	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
340	7:56	11:43	BELLING PIPE; MAKE UP LUMBER, PACKAGE PIPE	
341	11:43	2:55		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 24" 50' PIPE LINE 3 - FINISH + PACKAGE 20' 50' PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 65 (AVERAGE)	WIND DIRECTION ☒	WIND VELOCITY ☒	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 5 f/f	MICROSCOPE MAKE & MODEL BL	FIELD AREA 1,005.9 mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
340	72	100	.72		435.84	f/f x K = 1.739	227	54.39
341	53	100	.53		368.64	1.208	192	41.04
TOTALS								419 95.38

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
1.227 f/cc

SIGNATURE OF SAMPLER <i>L. Megarson</i>	SIGNATURE OF ANALYST <i>L. Megarson</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/16/81
EMPLOYEE NAME PASILLAS	PAYROLL NUMBER 168	JOB TITLE LATHE OPERATOR	CODE
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.72	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
842	750	1100	OPERATING LATHE; MAKING SETUP; REST BREAK	
843	1130	250		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) MACHINING 20FT 50 PIPE; 24FT 35 PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 64 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>515</u>	MICROSCOPE MAKE & MODEL B L	FIELD AREA .0054 mm ²	CONSTANT K = <u>855</u> = FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
842	26	100	.26		326.8	$\frac{f/f}{LITERS} \times K = .115$	190	21.90
843	36.5	100	.365		344.0	$\frac{f/f}{LITERS} \times K = .153$	200	30.75
TOTALS							390	52.65

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. .135 f/cc

SIGNATURE OF SAMPLER L. Meza	SIGNATURE OF ANALYST L. Meza
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PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/3/81
EMPLOYEE NAME J. CLAUSSEN	PAYROLL NUMBER 334	JOB TITLE MANDREL-MAN	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.92	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0338	813	1207	HANDLING, ROLLING, LANCING PIPE, OPER-	
0339	1207	357	ATIC ROTAC	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) MFG 12" ISO PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 68 WIND DIRECTION NE WIND VELOCITY 10	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>sf</u>	MICROSCOPE MAKE & MODEL BL	FIELD AREA 10059 mm²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
0338	61.5	100	.615		449.8	$\frac{\text{sf} \times \text{K}}{\text{LITERS}} = .198$	234	46.4
0339	33.5	100	.335		328.32	$.147$	170	24.9
TOTALS							404	71.3

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TIME WEIGHTED AVERAGE TOTAL sfcc x MIN. = TWA TOTAL MIN. .176 sfcc
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SIGNATURE OF SAMPLER <i>L. Megaw</i>	SIGNATURE OF ANALYST <i>L. Megaw</i>
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PLANT RIVERSIDE		PLANT	DATE OF TEST 260 4/2/81
EMPLOYEE NAME D PERRY	PAYROLL NUMBER 111	JOB TITLE OILER	CODE
PUMP MANUFACTURER MSA S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.78	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0334	8:14	11:50	LUBES PLANT MACHINERY	
0337	11:50	3:30		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
---	-------------------------	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 65 WIND DIRECTION NE WIND VELOCITY 20	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = _____ f/f	MICROSCOPE MAKE & MODEL BL	FIELD AREA .0059 mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f = VOLUME x K =	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0334	1	100	.51		384.48	$\frac{f/f}{LITERS} \times K =$.192	216	41.47
0337	475	100	.475		391.60	.175	220	38.50
TOTALS								43679.97

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
.183 f/cc

SIGNATURE OF SAMPLER <i>L. Megaw</i>	SIGNATURE OF ANALYST <i>L. Megaw</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY



Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-18

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/12/81
EMPLOYEE NAME ALLEN	PAYROLL NUMBER 324	JOB TITLE PIPE HANDLER	
PUMP MANUFACTURER MSA S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.78	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0334	7:41	10:48	PACKAGING PIPE; BELLING; MAKE UP LUMBER	
0335	10:48	2:48	90% AND 10% OPERATING HYDRO	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 21 FT 35 PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <u>62</u> WIND DIRECTION <u>NE</u> WIND VELOCITY <u>20</u>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>115</u>	MICROSCOPE MAKE & MODEL <u>BL</u>	FIELD AREA <u>0059</u> mm ²	CONSTANT K = <u>855</u> = FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0334	130	100	.930		332.86	<u>115</u> x K = <u>404</u>	187	75.54
0335	57.5	100	.575		427.20	<u>120</u>	240	48.48
TOTALS							427	124.02

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. <u>.290</u> f/cc
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SIGNATURE OF SAMPLER <i>T. Meza</i>	SIGNATURE OF ANALYST <i>T. Meza</i>
--	--

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ASBESTOS MONITORING DATA SHEET

NO. 81-17

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				260	4/1/81
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
A GEORGE		306		MAINTENANCE MECH.	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
USA S		4854		1.92	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0332	921	1251	WORKING ON LARGE WATER PUMP	
0333	1251	421		

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	67	WIND DIRECTION	NE	WIND VELOCITY	15
		PARTLY CLOUDY	☒	FOG	SHOWERS
				SNOW	

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 115	BL	1.0059 mm ²	K = 855
			FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f - VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0332	22.5	100	225		403.2	f/f x K = .080	210	16.80
0333	16.0	100	160		403.2	.058	210	12.07
TOTALS							420	28.87

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
068 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>L. Meigs</i>	<i>L. Meigs</i>

DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROCK-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/1/81
EMPLOYEE NAME A. SUAREZ	PAYROLL NUMBER 346	JOB TITLE SAW OPERATOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.7	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0330	845	1132	SAW OPERATOR - CUTTING 1/4 LENGTH PIPE	
0331	1132	300	2' SOME RANDOM LENGTHS	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) CUTTING 6" ISO 1/4 LENGTH PIPE FROM FULL LENGTHS.	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 67 WIND DIRECTION NE WIND VELOCITY 15	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL BL	FIELD AREA 0059 mm²	CONSTANT K = 855 FIELD AREA x 1000
--	--------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	fff x MIN.
0330	29	100	.29		283.9	$\frac{fff}{LITERS} \times K = .148$	167	24.71
0331	43.5	100	.435		353.6	$\frac{fff}{LITERS} \times K = .178$	208	31.08
TOTALS							375	61.79

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
.164 f/cc

SIGNATURE OF SAMPLER T. Megaw	SIGNATURE OF ANALYST T. Megaw
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/30/81</i>
EMPLOYEE NAME <i>HASTINGS</i>	PAYROLL NUMBER <i>129</i>	JOB TITLE <i>STRIPPER</i>	CODE
PUMP MANUFACTURER <i>MISA S</i>	SERIAL NUMBER <i>3744</i>	FLOW RATE (lpm) <i>1.78</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
<i>128</i>	<i>952</i>	<i>114</i>	<i>OPERATES STRIP STATION - STRIPS PIPE FROM MANDRELS - ROLLS PIPE OFF CONVEYOR</i>	
<i>129</i>	<i>114</i>	<i>300</i>		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>6" 150 PIPE - THRU CURING TUNNELS</i>	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>70</i> WIND DIRECTION <i>NE</i> WIND VELOCITY <i>10</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>RL</i>	FIELD AREA <i>.0059</i> mm ²	CONSTANT K = <i>855</i> = $\frac{1000}{\text{FIELD AREA}}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
<i>128</i>	<i>70</i>	<i>100</i>	<i>.07</i>		<i>359.5</i>	<i>flf x K = 1028</i>	<i>202</i>	<i>5.65</i>
<i>129</i>	<i>80</i>	<i>100</i>	<i>.08</i>		<i>188.68</i>		<i>106</i>	<i>6.46</i>
TOTALS								<i>308 12.11</i>

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TIME WEIGHTED AVERAGE TOTAL flcc x MIN = TWA TOTAL MIN. <i>1033 flcc</i>

SIGNATURE OF SAMPLER <i>J. Meigsen</i>	SIGNATURE OF ANALYST <i>J. Meigsen</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT RIVERSIDE		PLANT 26C	DATE OF TEST 3/30/81
EMPLOYEE NAME E THOMPSON	PAYROLL NUMBER 307	JOB TITLE LATHE OPERATOR	CODE
PUMP MANUFACTURER MSA-S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.92	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0326	942	144	OPERATING #1 LATHE - MACHINE 8" ISO PIPE	
0327	144	323		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) FINISH: 8" ISO PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 70 WIND DIRECTION NE WIND VELOCITY 10	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL BL	FIELD AREA 1.0059 mm ²	CONSTANT K = 856 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED = FIELD	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
0326	14.5	100	.145		464.64	$fff \times K =$ LITERS .045	242	10.89
0327	16.5	100	.165		305.28	.078	159	12.40
TOTALS							401	2329

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TIME WEIGHTED AVERAGE TOTAL floc x MIN. = TWA TOTAL MIN.
1058 floc

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: WHITE-PLANT/SAFETY FILE/CANARY CORP. HEALTH & SAFETY/PINK-PLANT/PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT

CertainTeed

Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-13

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/25/81</i>
EMPLOYEE NAME <i>J CAMPBELL</i>	PAYROLL NUMBER <i>324</i>	JOB TITLE <i>HYDROTESTER</i>	CODE
PUMP MANUFACTURER <i>MSA S</i>	SERIAL NUMBER <i>3744</i>	FLOW RATE (lpm) <i>1.72</i>	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0316	732	1032	OPERATED HYDROTESTER	
0317	1032	1130	✓	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☒ NO ☐ SOMETIMES		

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<i>TESTING 16" ISO PIPE; TESTING 8" ISO PIPE</i>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN	
OUTSIDE TEMPERATURE °F. <i>80</i>	WIND DIRECTION <i>SE</i>	WIND VELOCITY <i>10</i>	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <i>515</i>	<i>BL</i>	<i>0.0059 mm²</i>	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 144$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0316	44	100	44		309.60	$\frac{f/f \times K}{\text{LITERS}} = \frac{44 \times 144}{309.60} = 20.5$	180	37.06
0317	34	100	34		306.16	$\frac{34 \times 144}{306.16} = 16.0$	178	28.48
TOTALS							358	65.54

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
<i>1183 f/cc</i>

SIGNATURE OF SAMPLER

SIGNATURE OF ANALYST

DISTRIBUTION: WHITE PLANT/SAFETY FILE/CANARY CORP. HEALTH & SAFETY/PLANT/ENVIRONMENTAL PERSONNEL FILE/OLDENROD LABORATORY/PLANT COPY

4-11-81 (1)

CTD023197

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ASBESTOS MONITORING DATA SHEET

NO. 81-12

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/26/81
EMPLOYEE NAME J DOBBS	PAYROLL NUMBER 323	JOB TITLE 1/4 LINE OPERATOR	
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.75	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0324	808	1135	OPERATES 1/4 LINE - MACHINES 5'	
0325	1135	200	TESTS 1/4 LENGTH PIPE	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 6" 150 1/4 MEO	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 72 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL BL	FIELD AREA 0.059 mm ²	CONSTANT K = 855 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff x VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
0324	965	100	.965		362.25	$\frac{fff}{LITERS} \times K = .786$	207	7991
0325	108	100	1.08		358.75		205	89.38
TOTALS						412	69.29	

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TIME WEIGHTED AVERAGE TOTAL floc x MIN. = TWA TOTAL MIN. 412 floc

SIGNATURE OF SAMPLER <i>T. Meagan</i>	SIGNATURE OF ANALYST <i>T. Meagan</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PLINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY EXAM

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/25/81
EMPLOYEE NAME SUAREZ	PAYROLL NUMBER 346	JOB TITLE STRIPPER	CODE
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.818	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0322	7:42	10:43	WORKS STRIP STATION - STRIPS MANDRELS	
0323	10:43	2:44	FROM PIPE - ROLLS PIPE TO CONVEYOR	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) MFG 6" 150 PIPE GOING THRU CURE TUNNELS	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 72 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 515	MICROSCOPE MAKE & MODEL BL	FIELD AREA 0.0059 mm ²	CONSTANT K = 855 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f x VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0322	9.0	100	.09		329.05	$\frac{f/f}{L} \times K = .039$	181	7.050
0323	18.0	100	.18		438.13	$\frac{f/f}{L} \times K = .059$	241	14.219
TOTALS							422	21.269

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. .050 f/cc
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SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: WHITE PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/WHITE PLANT PERSONNEL FILES/GOLD-BOND-TEMPORARY PLANT COPY

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ASBESTOS MONITORING DATA SHEET

NO. 81-10

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/24/81
EMPLOYEE NAME B GRANILLO	PAYROLL NUMBER 109	JOB TITLE LAB. INSPECTOR (QC)	CODE
PUMP MANUFACTURER MSA S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.88	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
0312	7:34	10:54	QC LABORATORY INSPECTOR	
0313	11:37	23:24	✓	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	8710	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
GENERAL LAB. DUTIES / QC. DEPT	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	75	WIND DIRECTION	☒ WIND VELOCITY	☒ PARTLY CLOUDY	☐ FOG ☐ SHOWERS ☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = fff	BL	0059 mm²	K = 855 FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0312	24.5	100	.245		379.74	$\frac{fff}{LITERS} \times K =$ 093	200	18.88
0313	15.5	100	.155		329.0	068	175	11.90

TOTALS **377 30.78**

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. - TWA
TOTAL MIN.
082 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>[Signature]</i>	<i>[Signature]</i>

DISTRIBUTION: MTL - PLANT SAFETY FILE / CANARY CORP. HEALTH & SAFETY / PINK PLANT PERSONNEL FILE / GOLDENROD (DOWNEY) PLANT 1007

0312 (12) 7/81

CTD023200

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ASBESTOS MONITORING DATA SHEET

NO. 81-7

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/24/81</i>
EMPLOYEE NAME <i>B TAYLOR</i>	PAYROLL NUMBER <i>162</i>	JOB TITLE <i>FITTINGS GLUER</i>	CODE
PUMP MANUFACTURER <i>MSA-S</i>	SERIAL NUMBER <i>3744</i>	FLOW RATE (lpm) <i>1.88</i>	

SAMPLE NUMBER	START	TIME STOP	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>0314</i>	<i>744</i>	<i>1055</i>	<i>GLUES FITTINGS</i>	
<i>0315</i>	<i>1132</i>	<i>231</i>	<i>✓</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>VARIOUS SEWER PIPE FITTINGS</i>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>75</i> (AVERAGE) WIND DIRECTION <i>✓</i> WIND VELOCITY <i>✓</i> SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>BL</i>	FIELD AREA <i>0059</i> mm ²	CONSTANT K = <i>855</i> FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
<i>0314</i>	<i>265</i>	<i>100</i>	<i>.265</i>		<i>359.08</i>	<i>flf x K = 1115</i>	<i>191</i>	<i>21.96</i>
<i>0315</i>	<i>195</i>	<i>100</i>	<i>.195</i>		<i>336.52</i>	<i>195</i>	<i>179</i>	<i>3490</i>
TOTALS								<i>370 5686</i>

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TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.

153 flcc

SIGNATURE OF SAMPLER <i>T. Maguire</i>	SIGNATURE OF ANALYST <i>T. Maguire</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/BLACK-ROCK THERMAL PLANT COPY

CTD023201

ASBESTOS MONITORING DATA SHEET

NO. 81-8

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/20/81
EMPLOYEE NAME R. FONSECA	PAYROLL NUMBER 167	JOB TITLE LIFT TR. OPER	CODE
PUMP MANUFACTURER USA - S	SERIAL NUMBER 3744	FLOW RATE (lpm) 1.92	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0318	809	1233	OPERATE LIFT TRUCK / SHIPPING - LOADS	
0319	1233	300	TRUCKS, TRAILERS WITH PIPE / VARIOUS SIZES.	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F. 70 (AVERAGE)	WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 515	MICROSCOPE MAKE & MODEL SL	FIELD AREA .0059 mm ²	CONSTANT K = 856 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN
0318	28.0	100	28		506.88	$\frac{515}{100} \times K = .08$	264	21.12
0319	12.5	100	125		282.24	$\frac{515}{100} \times K = .064$	147	9.43
TOTALS						41.13055		

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TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 1074 f/cc
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SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: OWNER/PLANT/SAFETY FILE/CANARY CARD/HEALTH & SAFETY/PUMP PLANT/PERSONNEL FILE/CONDEMNATION

CTD023202

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ASBESTOS MONITORING DATA SHEET

NO. 81-7

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/20/81
EMPLOYEE NAME JIMMY JAMES	PAYROLL NUMBER 161	JOB TITLE 4" BORING MILL OPER.	
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.72	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0320	730	1034	4" BORING MILL OPERATION	
0321	1034	1148	" " "	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL —	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 70 WIND DIRECTION ☒ WIND VELOCITY ☒	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN — FIELDS = — f/f	MICROSCOPE MAKE & MODEL BL	FIELD AREA 0059 mm ²	CONSTANT $K = \frac{858}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED =	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0320	27.5	100	275		316.48	$\frac{f/f \times K}{\text{LITERS}} = \frac{.125}{1.25}$	184	23.00
0321	28.5	100	285		333.68	$\frac{.123}{1.23}$	194	23.86

TOTALS **378 46.86**

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.

123 f/cc

SIGNATURE OF SAMPLER

Larry M...

SIGNATURE OF ANALYST

[Signature]

DISTRIBUTION: WHITE PLANT SAFETY FILE/CANARY CORP. HEALTH SAFETY/PLANT UNIT PERSONNEL FILE/GOLDENROD TROOPARY UNIT COPY

CTD023203

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 2/2/81
EMPLOYEE NAME AREA	PAYROLL NUMBER	JOB TITLE BAG OPERER MACH.	CODE
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 4845	FLOW RATE (lpm) 1.75	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
ENG 5	808	124	AREA SAMPLING - BAG OPERER - ADJACENT/CONVEYOR TRANSFER POINT. BAGS OF FIBER SET DOWN ON BATCH CONVEYOR - THESE MOVE TO FEED CONVEYOR	
ENG 6	129	415		

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 65 WIND DIRECTION SE WIND VELOCITY 10 ☐ SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>11</u> f/f	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 1.059 mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
ENG 5	67.0	100	.67		561.75	$\frac{f/f \times K}{LITERS} = .172$	321	55.21
ENG 6	28.00	100	.28		240.5	$.139$	166	23.18
TOTALS							487	7839

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TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. - TWA
TOTAL MIN.

1.66 f/cc

SIGNATURE OF SAMPLER *L. Mezzinger*

SIGNATURE OF ANALYST *[Signature]*

DISTRIBUTION: WHITE PLANT SAFETY FILE/CANARY CORP. HEALTH & SAFETY/PINK PLANT PERSONNEL FILE/GOLDEN RISE TOXICITY PLANT 1000

ASBESTOS MONITORING DATA SHEET

NO. 81-5

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 1/19/81
EMPLOYEE NAME J. CASAS	PAYROLL NUMBER 243	JOB TITLE PRESS OPERATOR	CODE
PUMP MANUFACTURER MSA-5	SERIAL NUMBER 4854	FLOW RATE (lpm) 1.818	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
0311	1243	201	OPERATED PRESS SECTION OF PIPE MACHINE	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 12" 150 PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
--	---------

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 69 WIND DIRECTION WIND VELOCITY 	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN FIELDS = f/f	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0059 mm ²	CONSTANT K = 855 FIELD AREA x 1000
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0311	33.5	100	.335		141.8	$\frac{f/f}{LITERS} \times K = .342$	78	26.67
TOTALS							78	26.67

RECEIVED
JUN - 1981
H. W. Blakeslee

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. TOTAL MIN.	.342 f/cc
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SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: WHITE-PLANT, SAFETY FILE, CHART, COPY HEALTH & SAFETY, CHART, PLANT PERSONNEL, FILE, GOLDEN ROD, TAILORARY, PLANT COPY

CTD023205

Pipe and Plastic Group

NO. 81-3

CTD023207



NO. 81-2

CTD023208

CertainTeed

Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 81-1

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 1/6/81
EMPLOYEE NAME J. L. HEDSON	PAYROLL NUMBER 117	JOB TITLE MIXERMAN	
PUMP MANUFACTURER MSA - S	SERIAL NUMBER 4551	FLOW RATE (lpm) 1.785	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL 3710	REMARKS
--	--	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 11" - 150' - E	CODE
--	------

EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 61 WIND DIRECTION NE WIND VELOCITY 15	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL BL	FIELD AREA 0.0059 mm²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000}$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0301	89	100	.89		319.5	$\frac{f/f \times K}{\text{LITERS}} = \frac{.89 \times 855}{.0059} = 127.3$	179	72.12
0302	72	100	.72		212.7	$\frac{.72 \times 855}{.0059} = 104.8$	150	56.08
0303	39	100	.39		71.4	$\frac{.39 \times 855}{.0059} = 56.60$	11	16.60
TOTALS								

SIGNATURE OF SAMPLER

SIGNATURE OF ANALYST

RECEIVED

JUN - 4 1981

H. W. Blakeslee

CTD023209

81 ft 1/2

Riverside

