

Seq T Name TAYLOR, BRIAN L.
 0001 P Soc Sec 569-80-5194
 Date 12/20/1985
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	639	08:46	14:46	360	0.0000	0.0860/	0.0	0.0860		N	TIED & STRAPPED MISC LOADS OF PIPE ON TRUCKS.

Seq T Name SHANK, KENNETH M.
 0002 P Soc Sec 540-22-6531
 Date 12/20/1985
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	634	08:54	14:47	353	0.0000	0.0820/	0.0	0.0820		N	GENERAL REPAIR/MAINT ENANCE DUTIES

Seq T Name HAMILTON, CHRISTOPHER
 0003 P Soc Sec 555-74-5800
 Date 12/20/1985
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	640	08:40	14:40	360	0.0000	0.0940/	0.0	0.0940		N	MADE FITTINGS/EPOXIE D PIPE SECTIONS

Seq T Name SATHORNKICH, KACHONSAK J.
 0004 P Soc Sec 555-88-2907
 Date 10/22/1985
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	632	08:30	14:01	331	0.0000	0.0000/	0.0	0.0000		N	GENERAL MECHANIC DUTIES

Seq T Name AREA
 0005 A Soc Sec
 Date 09/13/1985
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	633	08:40	13:38	298	0.0000	0.1000/	0.0	0.1000		N	CUTTING CPLGS FROM CPLG STOCK

Seq T Name GOODWIN, LORAN C.
0006 P Soc Sec 546-76-6926
Date 09/13/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	628	08:35	13:38	303	0.0000	0.1140/	0.0	0.1100	N	OPERATED CPLG CUTOFF MACH MADE 1 SETUP

Seq T Name AREA
0007 A Soc Sec
Date 08/26/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	627	09:45	15:25	340	0.0000	0.0700/	0.0	0.0700		CUTTING CPLGS FROM C PLG STOCK

Seq T Name MOJESKE, JOHN E.
0008 P Soc Sec 557-28-9608
Date 07/02/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	44	08:28	14:45	377	0.0000	0.0000/	0.0	0.0000	N	ASSIGNED TO FINISHIN G DEPT AS MECHANIC FILTER COATED EMPLOYEE DID WELDING 10-15

Seq T Name BEY, GEORGE M.
0009 P Soc Sec 546-98-9811
Date 07/02/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	43	08:25	14:37	372	0.0000	0.0680/	0.0	0.0680	N	OPERATED HYDROTTESTER

Seq T Name GARCIA, MONY A.
0010 P Soc Sec 527-50-6060
Date 07/02/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	621	07:59	14:29	390	0.0000	0.0840/	0.0	0.0840	N	INSPECTED ROUND THE WALL OPERATIONS

Seq T Name SANDERS, ANZY O.
0011 P Soc Sec 431-64-0728
Date 07/02/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	41	08:31	14:41	370	0.0000	0.0380/	0.0	0.0380	N	OPERATED LIFT TRUCK FITTINGS & ACCESSORY DEPT, CPLGS OPERATIONS

Seq T Name AREA
0012 A Soc Sec
Date 06/26/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	40	08:33	14:39	366	0.0000	0.3070/	0.0	0.3100		MILL TURNS CONTINUOUSLY PUMP MOUNTED 5' OFF FLOOR ON CHAIN LINK GUARD.

Seq T Name GIL, LARRY L.
0013 P Soc Sec 570-58-4041
Date 06/26/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	380	08:10	14:35	385	0.0000	0.0550/	0.0	0.0560	N	OPERATED FM LATHE & CHANGE OVERS

Seq T Name DIMAGGIO, GEORGE A.
0014 P Soc Sec 551-80-7362
Date 06/20/1985
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	37	08:33	15:15	402	0.0000	0.0800/	0.0	0.0800	Y	DISPOSABLE SINGLE USE OPERATED #1 SAM-CUTO FF

Seq T Name CHAVEZ, ANTHONY J.
0015 P Soc Sec 556-13-5705
Date 06/19/1985
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.035000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 6", 8", 10", 12" SEWER

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	36	08:26	14:40	374	0.0000	0.0350/	0.0	0.0350		N	LOADED TRAYS, TRANSPORTED TRAYS TO BOGIES; PUSHED BOGIES INTO AUTOCLAVES W/

Seq T Name REYES, PETER C.
0016 P Soc Sec 560-04-6091
Date 06/19/1985
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.087000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8", 10", 12" SEWER PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	35	08:22	14:37	375	0.0000	0.0870/	0.0	0.0870		S	DISPOSABLE SINGLE USE OPERATED BAG OPENER; SUPPLIED FIBER BAGS FROM STG. TO BATCH TABLE KEPT AREA CLEAN

Seq T Name SILVA, TONY G.
0017 P Soc Sec 573-24-9440
Date 06/19/1985
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.170000 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.	34	08:29	15:10	401	0.0000	0.1740/	0.0	0.1700		S	DISPOSABLE SINGLE USE OPERATOR CRUSHER; DROVE DUMP TRUCK TO DISPOSAL SITE (1.5 HRS)

Seq T Name MORGAN, J W.
0018 P Soc Sec 554-82-2494
Date 06/19/1985
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.064000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8", 10", 12" SEWER

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	33	08:21	14:36	375	0.0000	0.0640/	0.0	0.0640		N	RELIEVES OTHER MEMBERS OF THE CREW DURING THEIR BREAK PERIODS.

Seq T Name VILLALPANDO, ANDRES R. Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0019 P Soc Sec 568-42-8810 Locn PRESS TWA 0.058000 F/CC
 Date 06/18/1985 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 6" 150

Eqp Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
 1. 32 08:46 14:42 356 0.0000 0.0580/ 0.0 0.0580 N OPERATED PRESS SECTI ON AT PIPE MACHINE

Seq T Name PLAZA, MANUEL M. Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0020 P Soc Sec 570-58-2582 Locn MANDREL TWA 0.050000 F/CC
 Date 06/18/1985 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 6" 150

Eqp Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
 1. 31 08:43 14:41 358 0.0000 0.0500/ 0.0 0.0500 N REGULAR DUTIES HANDL ER MANDRELS AT PRESS SECTION OF THE PIPE MACHINE

Seq T Name AESCHLIMAN, KENNETH M. Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0021 P Soc Sec 573-76-0128 Locn PIPE MACHINE TWA 0.100000 F/CC
 Date 06/18/1985 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 6" 150

Eqp Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
 1. 30 08:50 14:43 353 0.0000 0.1040/ 0.0 0.1000 N TENDED PIPE MACHINE PER JOB CLASS

Seq T Name STEWARD, RAYMOND L. Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0022 P Soc Sec 570-56-5483 Locn HYDROTESTER TWA 0.069000 F/CC
 Date 06/13/1985 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 10" STORM DRAIN

Eqp Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
 1. 29 08:29 14:45 376 0.0000 0.0690/ 0.0 0.0690 N OPERATED HYDROTESTER

Seq T Name AMARO, RICHARD Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0023 P Soc Sec 560-98-0226 Locn LATHE LINE TWA 0.076000 F/CC
 Date 06/13/1985 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Product 10" STORM DRAIN

Eqp Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
 1. 28 08:31 14:46 375 0.0000 0.0760/ 0.0 0.0760 N

Seq T Name SUAREZ, ANDRES L.
0024 P Soc Sec 560-68-8273
Date 06/13/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE - 1/4
Proc
Job OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	27	08:32	14:47	375	0.0000	0.1100/	0.0	0.1100	N	PACKAGED 1/4 LENGTHS

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.110000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 1/4 MEO

Seq T Name AVERY, JR, ALBERT
0025 P Soc Sec 572-82-0787
Date 06/13/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc LINE 2
Job HANDLER

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	26	08:34	14:49	375	0.0000	0.0670/	0.0	0.0670	N	

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.088000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150 PIPE

Seq T Name RICHARDSON, JERRY D.
0027 P Soc Sec 557-96-1876
Date 06/12/1985
Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	25	08:36	14:46	370	0.0000	0.0880/	0.0	0.0880	N	PERFORMED MACHINE TE NDER TASKS IN FRONT OF PIPE MACHINE

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.099000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150 PIPE

Seq T Name RICHARDSON, JERRY D.
0027 P Soc Sec 557-96-1876
Date 06/12/1985
Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	24	08:38	14:47	369	0.0000	0.0990/	0.0	0.0990	N	Y DISPOSABLE SINGLE USE OPERATED BAG OPENER; OPERATED LIFT TRUCK KEPT AREA CLEAN

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.099000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150 PIPE

Seq T Name	CASAS, JOHN A.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Comments
0028 P Soc Sec	573-94-2307	Locn PRESS	TWA	0.053000 F/CC	/P&CAM 239 R=A
Date	06/12/1985	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Shift	1ST	Job OPERATOR	Product	12" 150 PIPE	
Equip	Samp	LPM	ST Exp Limit	Respirator	
1.	23	0.0000	0.0530/	0.0 0.0530	OPERATED PRESS AT PIPE MACHINE
Seq T Name	ATENCIO, SR, STEVEN A.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Comments
0029 P Soc Sec	553-88-1692	Locn SAW - REMORK	TWA	0.055000 F/CC	/P&CAM 239 R=A
Date	06/12/1985	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Shift	1ST	Job OPERATOR	Product		
Equip	Samp	LPM	ST Exp Limit	Respirator	
1.	22	0.0000	0.0550/	0.0 0.0550	Y DISPOSABLE SINGLE USE OPERATED SAW-MISC SI ZES & CUTS (REWORK)
Seq T Name	ASKEW, WILLIAM E.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Comments
0030 P Soc Sec	561-90-4679	Locn PIPE MACHINE	TWA	0.047000 F/CC	/P&CAM 239 R=A
Date	06/12/1985	Proc LINE 2	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Shift	1ST	Job HANDLER	Product	15" STORM DRAIN	
Equip	Samp	LPM	ST Exp Limit	Respirator	
1.	21	0.0000	0.0470/	0.0 0.0470	MADE UP PKG LUMBER-R OLLED PIPE TO PKG-STRAPPED PACKAGES
Seq T Name	DOBBS, PHILLIP R.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Comments
0031 P Soc Sec	557-68-1875	Locn BORING MILL	TWA	0.095000 F/CC	/P&CAM 239 R=A
Date	06/07/1985	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Shift	1ST	Job OPERATOR	Product	6" 150 CPLGS	
Equip	Samp	LPM	ST Exp Limit	Respirator	
1.	20	0.0000	0.0950/	0.0 0.0950	OPERATED SMALL BORIN G MILL; KEPT AREA CLEAN WITH VAC HOSE
Seq T Name	STANFIELD, RICHARD H.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Comments
0032 P Soc Sec	548-58-3160	Locn FINISHING	TWA	0.038000 F/CC	/P&CAM 239 R=A
Date	06/07/1985	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Shift	1ST	Job FORKLIFT OPERATOR	Product	12" 150	
Equip	Samp	LPM	ST Exp Limit	Respirator	
1.	19	0.0000	0.0380/	0.0 0.0380	DROVE LINE TRUCK-FIN ISHING DEPT TO STORAGE YARD.

Seq T Name ZARAGOZA, RUBEN
0033 P Soc Sec 572-82-4245
Date 06/07/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc LINE 2
Job HANDLER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.057000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	18	08:24	15:25	421	0.0000	0.0570/	0.0	0.0570	N	

Seq T Name COOPER, HOMER L.
0034 P Soc Sec 568-13-3118
Date 06/06/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE LINE
Proc LINE 1
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.120000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	17	08:31	14:37	366	0.0000	0.1220/	0.0	0.1200	Y DISPOSABLE SINGLE USE	

Seq T Name HAMPTON, CHARLES P.
0035 P Soc Sec 419-70-7035
Date 06/06/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE LINE
Proc LINE 1
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.060000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	16	08:30	14:36	366	0.0000	0.0600/	0.0	0.0600	N	OPERATED ASST SIDE # 1 LATHE DROVE TRUCK TO BRING IN PIPE FROM YARD

Seq T Name CLAUSON, JOHN N.
0036 P Soc Sec 554-72-9301
Date 06/06/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn SAW - REMORK
Proc LINE 1
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.050000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 6" 150 1/4 LENGTHS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	15	08:36	14:45	369	0.0000	0.0500/	0.0	0.0500	Y DISPOSABLE SINGLE USE	

Seq T Name JAMES, JIMMY L.
0038 P Soc Sec 572-82-0622
Date 05/24/1985
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn BORING MILL 42
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.067000 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.	14	08:44	14:00	316	0.0000	0.0670/	0.0	0.0670	N	

=====

Seq T Name BROOKS (TOMPKINS), ENOLA G.
 0039 P Soc Sec 570-02-3059
 Date 05/24/1985
 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn COUPLING TESTER
 Proc
 Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.120000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 CPLGS

=====

Eqp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	13	08:42	14:44	362	0.0000	0.1200/	0.0	0.1200	N	

=====

Seq T Name BIVENS, JANET R.
 0040 P Soc Sec 547-72-9345
 Date 05/24/1985
 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn COUPLING TESTER
 Proc
 Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.150000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 CPLGS

=====

Eqp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	12	08:42	14:45	363	0.0000	0.1500/	0.0	0.1500	N	

=====

Seq T Name EVANS, GEORGE R.
 0041 P Soc Sec 566-04-8933
 Date 05/24/1985
 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn LATHE LINE
 Proc
 Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.050000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 CPLGS

=====

Eqp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	11	08:48	14:15	327	0.0000	0.0500/	0.0	0.0500	Y DISPOSABLE SNGLE USE TRUCKED PIPE FROM YA RD TO LATHE-ASSISTED TOOL CHANGES, ADJUSTMENTS	

=====

Seq T Name LEDFORD, JOE D.
 0042 P Soc Sec 440-34-0878
 Date 05/23/1985
 Shift 2ND 8 HOUR

Dept PRODUCTION
 Locn TRAY LOADING
 Proc
 Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.026000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 8" 150 CPLGS

=====

Eqp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	10	08:35	14:00	325	0.0000	0.0260/	0.0	0.0260	N	STAMPED & STENCILLED PIPE LOADED PIPE INTO TRAYS W/OVERHEAD HOIST.

=====

Seq T Name SONCRANT, WILLIAM G.

0043 P Soc Sec 385-22-0170

Date 05/23/1985

Shift 2ND 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job STRIPPER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.036000 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.	9	08:32	14:31	359	0.0000	0.0360/	0.0	0.0360	N			STRIPPED MANDRELS FR OM PIPE AT END OF #1 CURING TUNNEL

Seq T Name COLE, HARRISON

0044 P Soc Sec 425-68-7424

Date 05/23/1985

Shift 2ND 8 HOUR

Dept PRODUCTION
Locn TRAY LOADING
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.019000 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.	8	08:40	14:32	352	0.0000	0.0190/	0.0	0.0190	N			TRUCKED TRAYS OF PIPE E TO AUTOCLAVE BOGIES & LOADED SAME

Seq T Name PADRON, MARTHA L.

0045 P Soc Sec 569-80-6279

Date 05/23/1985

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn MANDREL
Proc
Job HANDLER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.030000 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.	7	08:29	14:24	355	0.0000	0.0300/	0.0	0.0300	N			TENDED MANDRELS & PIPE

Seq T Name RENFRO, EDWARD T.

0046 P Soc Sec 553-54-5445

Date 05/22/1985

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn MANUFACTURING
Proc
Job RELIEF

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.098000 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.	6	08:48	14:54	366	0.0000	0.0980/	0.0	0.0980	N			RELIEVED CREW MEMBER ON LUNCH BREAKS CLEAN-UP WAREHOUSE

Seq T Name HORTON, ALBERT N.
 0047 P Soc Sec 267-86-0043
 Date 05/22/1985
 Shift 2ND 8 HOUR
 Dept PRODUCTION
 Locn PIPE MACHINE
 Proc
 Job TENDER
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.057000 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.	5	08:40	14:53	373	0.0000	0.0570/	0.0	0.0570	N	

Seq T Name BRADY, SR, JEFFERY L.
 0048 P Soc Sec 551-02-9474
 Date 05/22/1985
 Shift 2ND 8 HOUR
 Dept PRODUCTION
 Locn PRESS
 Proc
 Job OPERATOR
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.055000 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.	4	08:38	14:53	375	0.0000	0.0550/	0.0	0.0550	N	OPERATED PRESS AT PI PE MACHINE

Seq T Name CONTRERAS, JOE L.
 0049 P Soc Sec 555-62-0421
 Date 05/22/1985
 Shift 1ST 8 HOUR
 Dept BATCH/FORMING
 Locn MIXER
 Proc
 Job OPERATOR
 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

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	3	08:42	14:55	373	0.0000	0.1600/	0.0	0.1600	S	S DISPOSABLE SNGL USE SET UP BATCHES OF FI BER-OPERATED BAG OPENER-OPERATED LIFT TRUCK UNLOADING FIB

Seq T Name COOLEY, DENNIS D.
 0050 P Soc Sec 344-30-3938
 Date 02/06/1985
 Shift 1ST 8 HOUR
 Dept PRODUCTION
 Locn COUPLING CUT OFF
 Proc
 Job OPERATOR
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.260000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 16" 150 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	2	08:14	15:16	422	0.0000	0.2590/	0.0	0.2600	Y	DISPOSABLE SNGL USE USED RASP ON CPLG EN DS

*** End Of Report *** DREXLES

PLANT RIVERSIDE										PLANT		DATE OF TEST 12/20/85	
EMPLOYEE NAME TAYLOR B					PAYROLL NUMBER 167			JOB TITLE LOADER - SHIPPING			CODE		
PUMP MANUFACTURER MSA					SERIAL NUMBER 4452			FLOW RATE (lpm) 1.92					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
0639	0846	1446	TIED & STRAPPED MISCELLANEOUS	
			LOADS OF PIPE ON TRUCKS. ASSISTED TRUCK	
			DRIVERS FILLING ORDERS -	
			2-10 MIN. BREAKS	
			1-30 MIN. LUNCH BREAK	

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	80	WIND DIRECTION	SW	WIND VELOCITY	05
		PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>fff</u>	<u>B/L</u>	<u>.0061</u> mm ²	K = <u>855</u> = <u>140</u> FIELD AREA x 1000

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED fff x VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0639	42.5	100	.425	-	691.20	fff x K = LITERS <u>.086</u>	360	30.98
							?	
TOTALS							360	30.98

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. / TOTAL MIN. = TWA
<u>30.98</u>

CORP. HEALTH & SAFETY

JAN 3 1986

SIGNATURE OF SAMPLER

SIGNATURE OF ANALYST

DISTRIBUTION: THIS DOCUMENT IS TO BE KEPT IN THE ASBESTOS MONITORING FILE FOR THE PLANT PERSONNEL. IT IS THE PROPERTY OF GOLDENROD GROUP HEALTH & SAFETY.

42-00001-000

CTD021898

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 12/20/85
EMPLOYEE NAME SWANK K	PAYROLL NUMBER 166	JOB TITLE ELECTRICIAN	CODE
PUMP MANUFACTURER MISA	SERIAL NUMBER 0287	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
0634	0854	1447	GENERAL REPAIR/MAINTENANCE DUTIES	
			1-30 MIN. LUNCH BREAK	
			2-10 MIN. BREAKS	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	80	WIND DIRECTION	SW	WIND VELOCITY	05
		PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = fff	B/L	006 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 = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
0634	41.5	100	.415		706	fff x K = LITERS 1082	353	29.04

CORP. HEALTH & SAFETY

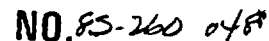
JAN 3 1986

RECEIVED

SIGNATURE OF SAMPLER

SIGNATURE OF ANALYST

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = 1082
TOTAL MIN. = 353
TWA = 29.04



CTD021900



Pipe and Plastic Group

CTD021901



ASBESTOS MONITORING DATA SHEET

NO. 85-240-045²

PLANT															PLANT		DATE OF TEST				
RIVERSIDE															260		9/13/85				
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE	
AREA										138					COUPLING CUT-OFF						
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)						
MSA										5185					1.92						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
0633	0840	1338	CUTTING CPLCS FROM cPLC stock	
			MACHINE DOWN - 2-10 MIN. BREAKS	
			1-30 MIN. LUNCH BREAK.	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)		CODE
15" FT35 1/2" 18" FT35 CPLGS		

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 _____ FIBERS IN _____ FIELDS = _____ <i>flf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = 148$
--	---------------------------------------	--	---

[illegible]

TIME WEIGHTED AVERAGE			
TOTAL SEC. MIN.		TWA	
TOTAL MIN.			
112		112	

SIGNATURE OF SAMPLER

SIGNATURE OF ANALYST

DISTRIBUTION STATEMENT: UNCLASSIFIED//FOR OFFICIAL USE ONLY
 1. AUTHORITY: This report was prepared under contract number DAH04-97-1-0068 awarded by the Defense Advanced Research Projects Agency, Office of Naval Research, Arlington, Virginia.
 2. TITLE AND SUBTITLE: "SAFE"/PINKIE: THE PERSONNEL SIDE OF GOLDENROD GROUP HEALTH & SAFETY
 3. AUTHOR(s): JAMES M. HARRIS, JR.; JOHN W. BARNETT
 4. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES): RAND CORPORATION, 475 RAVENSWOOD DRIVE, SANTA MONICA, CALIFORNIA 90406-0158
 5. PERFORMING ORGANIZATION REPORT NUMBER: RAND-TR-452
 6. AUTHORING OR ORGANIZATIONAL REPORT NUMBER:
 7. DISTRIBUTION STATEMENT (see page 1 of report): UNCLASSIFIED//FOR OFFICIAL USE ONLY
 8. DISTRIBUTION STATEMENT OF ABSTRACT: UNCLASSIFIED//FOR OFFICIAL USE ONLY
 9. ABSTRACT: The purpose of this study was to determine whether the personnel side of the Goldenrod Group's health and safety program could be replicated at other sites. The study was conducted as part of a larger effort to evaluate the effectiveness of the Goldenrod Group's health and safety program. The study found that the personnel side of the program was highly effective in reducing the incidence of occupational injuries and illnesses. The study also found that the personnel side of the program was highly replicable at other sites. The study concluded that the personnel side of the Goldenrod Group's health and safety program is a valuable model for other organizations to follow.

Figure 1

CTD021902



ASBESTOS MONITORING DATA SHEET

NO.85-260.044

PLANT															PLANT		DATE OF TEST			
RIVERSIDE															260		9/13/85			
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE
GOODWIN L										138					CPLC CUT-OFF OPERATOR					
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)					
MSA										4452					2.0					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
0628	0835	1338	OPERATED COPING CUTOFF MACH.	
			MADE 1 SET-UP.	
			2- 10 MIN. BREAKS	
			1- 30 " LUNCH BREAK	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)		CODE
15FT35 E 18"FT35 CPL65.		

EXHAUST CONTROL SYSTEMS		REMARKS
☒ FUNCTIONING NORMALLY	☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS (AVERAGE) 90 WIND DIRECTION W WIND VELOCITY 10 SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>51</u> <i>sif</i>	<u>B-L</u>	<u>.0061</u> mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = \frac{855}{.0061 \times 1000} = 140$

[illegible]

TIME WEIGHTED AVERAGE			
TOTAL SEC. MIN.		TWA	
TOTAL MIN.			
74	72	74	76

SIGNATURE OF SAMPLER

SIGNATURE OF ANALYST

DISTRIBUTION: WHITE PLANT SALES, 11/7/CANARY CORE HEALTH & SAFETY/PINK PLANT PERSONNEL SALES/GOLDENROD GROUP HEALTH & SAFETY

04-05-2015 16:03

CTD021903



NO. 85-260-046

DISTRIBUTION: WHITE PLANT SAFETY FILE / CANARY CORP. HEALTH SAFETY / PINK PLANT PERSONNEL FILE / GOLDEN ROD GROUP HEALTH SAFETY



CertainTeed
Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 85-260-047

PLANT 1		RIVERSIDE		PLANT 260	DATE OF TEST 7/02/85
EMPLOYEE NAME MOJESKE		PAYROLL NUMBER 247	JOB TITLE MECHANIC -		CODE
PUMP MANUFACTURER ATSA		SERIAL NUMBER 4452	FLOW RATE (lpm) 2.0		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
44	0828	1445	ASSIGNED TO FINISHING DEPT AS MECHANIC.	
			MAINTAINS IS EQUIPMENT AS REQUIRED -	
			2-10 MIN. BREAKS + 30 MIN LUNCH -	
			SUBJECT TOLD US HE HAD WELDED FOR APPROX. 10 MIN -	

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

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

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 98 (AVERAGE)	WIND DIRECTION W	WIND VELOCITY 04	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	-------------------------	-------------------------	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 515	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 mm ²	CONSTANT K = 855 = 140 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.
FILTER COATED - MOJESKE DID WELDING 10-15 MINUTES					146	f/f x K =	373	
						LITERS		
TOTALS						373		

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
----------------------	----------------------

DISTRIBUTION: NINE COPIES: FIVE/ANALYST, ONE/DEPT. HEAD, ONE/PLANT PERSONNEL, FIVE/FIELD OFFICE, FIVE/OTHER

CTD021905

PLANT RIVERSIDE										PLANT 260		DATE OF TEST 7/2/85	
EMPLOYEE NAME BEY G					PAYROLL NUMBER 253			JOB TITLE HYDROTESTER			CODE		
PUMP MANUFACTURER MSA					SERIAL NUMBER 3153			FLOW RATE (lpm) 1.96					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
043	0825	1437	OPERATED HYDROTESTER - LINE 1	
			2-10 MIN. BREAKS	
			1-30 V LUNCH BREAK	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 6-150	CODE
---	------

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F 98	WIND DIRECTION W	WIND VELOCITY 04	PARTLY CLOUDY	FOG	SHOWERS

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = fff	B-L	.0061 mm²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = \mathbf{140}$

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.
						fff x K =	LITERS		
043	35.5	100	.355		729.12		.068	372	25.24
TOTALS								372	25.24

TIME WEIGHTED AVERAGE
TOTAL fcc x MIN. = 9488
TOTAL MIN. = 100
TWA = 94.88

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST



NO. 85-260-042

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

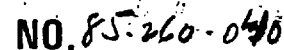
CTD021907

Pipe and Plastic Group

NO. 85-260-041

DISTRIBUTION: WHITE PLANT SAFETY FILE/CANARY TORN HEALTH SAFETY/PINK PLANT PERSONNEL FILE/GOLDENROD TEMPORARY PLANT COPY

CTD021908

CTD021909

PLANT DIVERSIDE										PLANT 260		DATE OF TEST 6/26/85		
EMPLOYEE NAME GILL										PAYROLL NUMBER 118		JOB TITLE FM LATHE OPERATOR		CODE
PUMP MANUFACTURER MSA										SERIAL NUMBER 3153		FLOW RATE (lpm) 5.0		

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
038	08	10:43	OPERATED FM LATHE	
			4 CHANGE-OVERS	
			5-10 MIN. BREAKS	
			1-30 V LUNCH ✓	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
MISC. 14 150 1/4 FM 12 150 1/2 FM	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

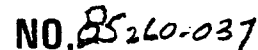
WEATHER CONDITIONS (AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 92	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = flf	B-L	.0061 mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$

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.
038	31	100	31		770	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{31 \times 140}{770} = .056$	385	21.70
TOTALS						385	21.70	

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
0.52

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST

CTD021911

PLANT <i>RIVERSIDE</i>		PLANT <i>160</i>	DATE OF TEST <i>6/19/85</i>
EMPLOYEE NAME <i>CHAVEZ A</i>	PAYROLL NUMBER <i>233</i>	JOB TITLE <i>TRAY LOADER/TRUCK OPERATOR</i>	
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>5791</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>036</i>	<i>0826</i>	<i>1440</i>	<i>LOADED TRAYS, TRANSPORTED TRAYS TO BOGIES; PUSHED BOGIES INTO AUTO CLAVES WITH MULE.</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 ✓ LUNCH ✓</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>6", 8", 10", 12" SEWER</i>	CODE
--	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>84</i> WIND DIRECTION <i>SW</i> WIND VELOCITY <i>07</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>B/C</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT 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 flf ÷ VOLUME × K = flcc	TOTAL SAMPLE TIME (MIN)	flcc × MIN.
<i>036</i>	<i>18.5</i>	<i>100</i>	<i>.185</i>		<i>748</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{18.5 \times 140}{.0061} = 4180$	<i>374</i>	<i>13.09</i>
TOTALS							<i>374</i>	<i>13.09</i>

TIME WEIGHTED AVERAGE TOTAL flcc × MIN. = TWA TOTAL MIN. = 13.09
--

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

ASBESTOS MONITORING DATA SHEET

NO 85-260-035

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/19/85
EMPLOYEE NAME REYES P	PAYROLL NUMBER 259	JOB TITLE MIXERMAN	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 4452	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
035	0822	1437	MIXERMAN - OPERATED BAG OPENER ;	
			SUPPLIED FIBER BAGS FROM STG- TO BATCH TABLE -	
			KEPT AREA CLEAN -	
			3-10 MIN. BREAKS	
			1-20 V LUNCH	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL MOLDEX 2200	REMARKS
---	---	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8, 10, 12 SWR. PIPE	CODE
---	------

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 87 (AVERAGE)	WIND DIRECTION SW	WIND VELOCITY 07	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 $K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
035	47	100	.47		750	$\frac{f/f}{\text{LITERS}} \times K = .087$	375	36.23
TOTALS							375	36.23

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

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

THIS SHEET IS THE PROPERTY OF CERTAINTEED PIPE AND PLASTIC GROUP. IT IS TO BE USED ONLY FOR THE PURPOSES OF ASBESTOS MONITORING. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

ASBESTOS MONITORING DATA SHEET

NO. 85-260-034

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/19/85
EMPLOYEE NAME J. L. VA T	PAYROLL NUMBER 115	JOB TITLE CRUSHER OPERATOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3153	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
034	08291510	OPERATOR CRUSHER; DROVE DUMP TRUCK TO DISPOSAL SITE (1 1/2 HRS); GEN. CLEAN-UP OF AREA - 2-10 MIN. BREAKS 1-30 V LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 2200 MULDEX	REMARKS
---	---	---------

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

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 84 WIND DIRECTION SW WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN 100 FIELDS = 115	MICROSCOPE MAKE & MODEL B/L	FIELD AREA .0061 mm²	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 fff + VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
034	66	100	.66		802	$\frac{fff \times K}{\text{LITERS}} = \frac{.66 \times 140}{.0061} = 1174$	401	69.77
TOTALS								401 69.77

TIME WEIGHTED AVERAGE TOTAL floc x MIN. = TWA TOTAL MIN.
1174 floc

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

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

PLANT RIVERSIDE										PLANT 260	DATE OF TEST 4/17/00				
EMPLOYEE NAME MORGAN JW					PAYROLL NUMBER 1279					JOB TITLE RELIEF OPERATOR					CODE
PUMP MANUFACTURER MSA					SERIAL NUMBER 5185					FLOW RATE (lpm) 2.0					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
033	0821	1436	RELIEVES OTHER MEMBERS OF THE CREW DURING THEIR BREAK PERIODS	
			2-10 MIN. BREAKS	
			1-20 LUNCH	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
8", 10", 12" SEWER	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	84	WIND DIRECTION	SW	WIND VELOCITY	07
		PARTLY CLOUDY	☐	FOG	SHOWERS
				SNOW	

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = fff	B-L	.0061 mm²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED fff + VOLUME x K = floc		TOTAL SAMPLE TIME (MIN)	floc x MIN.
						fff x K =	LITERS		
033	34.5	100	.345		750		.064	375	24.0
TOTALS								375	24.0

TIME WEIGHTED AVERAGE	
TOTAL fff x MIN.	TWA
TOTAL MIN.	
.064	floc

SIGNATURE OF SAMPLER <i>R. Morgan</i>	SIGNATURE OF ANALYST <i>R. Morgan</i>
--	--

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

PLANT										PLANT		DATE OF TEST	
RIVERSIDE										260		6/14/85	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
VILLALBA, ANDO A					351			PRESS OPERATOR					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
MISA					3153			2.0					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
032	208	46	OPERATED PRESS SECTION AT PIPE MAX.	
			2-10 MINUTE BREAKS	
			1-20 ✓ LUNCH ✓	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	80	☒	☐	☐	☐
WIND DIRECTION	W	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND VELOCITY	05	☐	☐	☐	☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>fff</u>	B-L	.0061 mm ²	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 fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
032	29.5	100	.295		712	$\frac{fff \times K}{\text{LITERS}} = .058$	352	20.65
TOTALS							356	2065

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

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

PLANT RIVERSIDE										PLANT		DATE OF TEST 260 6/18/85	
EMPLOYEE NAME PLAZA M					PAYROLL NUMBER 345		JOB TITLE MANDREL HANDLER			CODE			
PUMP MANUFACTURER MSA					SERIAL NUMBER 0287		FLOW RATE (lpm) 1.87						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
031	0843	1441	REGULAR DUTIES HANDLING MANDRELS AT PRESS SECTION OF PIPE MATH.	
			2 - 10 MIN. BREAKS	
			1 - 20 V LUNCH ✓	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	80	WIND DIRECTION	W	WIND VELOCITY	5
		PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = fff	B-L	.0061 mm²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$

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.
031	24	100	.24		671.25	$\frac{fff}{LITERS} \times K = 1050$	358	17.92
TOTALS							358	17.92

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
1050 f/cc

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



NO. 85-260-030

4249 (2) 1439

CTD021918

PLANT										RIVERSIDE		PLANT	DATE OF TEST	
										260	4	13	185	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE			
STEWART R					288			HYDRO OPERATOR						
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)						
MSA					0287			2.0						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
029	3829	1445	OPERATED HYDRO - TESTER -	
			FLUSHED PIPE -	
			2-10 MIN. BREAKS	
			1-30 + LUNCH ✓	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)		CODE
10" Storm Drain		

EXHAUST CONTROL SYSTEMS		REMARKS
☒ FUNCTIONING NORMALLY	☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS (AVERAGE) ☐ SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F ☐ 82 WIND DIRECTION ☐ W WIND VELOCITY ☐ 25 PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT _____ FIBERS IN _____ FIELDS = _____ f/f	MICROSCOPE MAKE & MODEL B-L	FIELD AREA <u>0.061</u> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$
---	--------------------------------	--	---

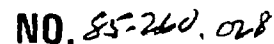
[illegible]

TIME WEIGHTED AVERAGE

$$\frac{\text{TOTAL } f_{cc} \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$$

				f _{cc}
1	0	6	9	

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

CTD021920

ASBESTOS MONITORING DATA SHEET

NO. 85-240-027

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/13/85
EMPLOYEE NAME SUAREZ A	PAYROLL NUMBER 346	JOB TITLE 1/4 LATHE OPERATOR	
PUMP MANUFACTURER ASA	SERIAL NUMBER 5185	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
027	0832	1447	OPERATED 1/4 LATHE LINE -	
			PACKAGED 1/4 LGTMS	
			2 - 10 MIN. BREAKS	
			1-30 ✓ LUNCH ✓	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8" SD 1/4 MEO	CODE
---	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 80 WIND DIRECTION W WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = flf	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 mm²	CONSTANT $K = \frac{856}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf + VOLUME x K = flf	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
027	59.5	100	.595		748	$\frac{flf}{LITERS} \times K = .11$	374	41.65
TOTALS							374	41.65

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. .11 flcc

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

DISTRIBUTION: MITE-PLANT SAFETY FILE/CANARY CORP. HEALTH & SAFETY/PINK PLANT PERSONNEL FILE/GOLDENROD GROUP HEALTH & SAFETY

CTD021921

PLANT RIVERSIDE										PLANT 260	DATE OF TEST 6/13/85	
EMPLOYEE NAME EVERY A					PAYROLL NUMBER 359		JOB TITLE PIPE HANDLER			CODE		
PUMP MANUFACTURER AISA					SERIAL NUMBER 5791			FLOW RATE (lpm) 2.0				

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
026	0834	1449	PIPE HANDLER - LINE 2	
			2-10 MIN. BREAK	
			1-30 LUNCH	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 10" SD	CODE
--	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 80 WIND DIRECTION W WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = flf	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 mm ²	CONSTANT $K = \frac{856}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf ÷ VOLUME × K = flcc	TOTAL SAMPLE TIME (MIN)	flcc × MIN.
026	35.5	100	.355		750	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.355 \times 140}{.0061} = 8067$	375	25.18
TOTALS							375	25.18

TIME WEIGHTED AVERAGE	
TOTAL flcc × MIN.	TOTAL MIN.
8067	flcc

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260-025

PLANT		RIVERSIDE		PLANT	DATE OF TEST
260		6/12/55			
EMPLOYEE NAME			PAYROLL NUMBER	JOB TITLE	
MORALES D			105	MACHINE TENDER	
PUMP MANUFACTURER			SERIAL NUMBER	FLOW RATE (lpm)	
MSA			0287	2.08	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
025	0836	1446	PERFORMED MACH. TENDER TASKS	
			IN FRONT OF PIPE MACHINE -	
			2-10 MIN. BREAKS	
			1-20 V LUNCH BREAK	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
12" 150 pipe	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS (AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 79	WIND DIRECTION W WIND VELOCITY 15 PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>flf</u>	B-L	.0061 mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$

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.
025	48.5	100	.485		770.8	flf x K = 089 LITERS	370	32.59
TOTALS							370	32.59

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
1088 flcc

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 GROUP HEALTH & SAFETY

CTD021923

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/12/85
EMPLOYEE NAME RICHARDSON	PAYROLL NUMBER 187	JOB TITLE MIXERMAN	
PUMP MANUFACTURER NISA	SERIAL NUMBER 5791	FLOW RATE (lpm) 2.08	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
024	0838	1447	OPERATED BAL OPENER; OPERATED LIFT TRUCK	
			KEPT AREA CLEAN	
			2-10 MIN. BREAKS	
			1-20 ✓ LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL MOLDEX 2200	REMARKS
---	---	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 12" 150	CODE
---	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 79 WIND DIRECTION W WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 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 fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
024	54.5	100	.545		767.5	$\frac{\text{fff} \times K}{\text{LITERS}} = \frac{.545 \times 140}{.0061} = 12500$	099	36.68
TOTALS								369 36.68

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 099 f/cc

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

PLANT RIVERSIDE										PLANT 260	DATE OF TEST 4/12/85	
EMPLOYEE NAME CASAS J					PAYROLL NUMBER 263		JOB TITLE PRESS OPERATOR			CODE		
PUMP MANUFACTURER MSA					SERIAL NUMBER 4452			FLOW RATE (lpm) 2.08				

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
023	0831	1445	OPERATED PRESS AT PIPE MACHINE	
			2-10 MIN. BREAKS	
			1-20 ✓ LUNCH ✓	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
12" 50	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS (AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 79	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
WIND DIRECTION W	WIND VELOCITY 05

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN 115 FIELDS = 13-L	13-L	0061 mm²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
023	24	100	.24		765.4	$\frac{f/f}{LITERS} \times K = 053$	368	19.52
TOTALS							368	19.52

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

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260-022

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/12/85
EMPLOYEE NAME ATENCIO S	PAYROLL NUMBER 180	JOB TITLE SAW OPERATOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 5185	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
022	0844	1502	OPERATED SAW - MISC. SIZES & CUTS (REWORK)	
			2-10 MIN. BREAKS	
			1-30 MIN LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL MDLDEX 2200	REMARKS
---	---	---------

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

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 79 WIND DIRECTION W WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL B-1	FIELD AREA 0.061 mm²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = \mathbf{140}$
--	---------------------------------------	---	--

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.
022	30	100	.30		756	$\frac{fff}{\text{LITERS}} \times K = \mathbf{0.55}$	378	21.00
TOTALS							378	21.00

TIME WEIGHTED AVERAGE TOTAL fcc x MIN. = TWA TOTAL MIN. 0.55 fcc
--

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

DISTRIBUTION: WHITE PLANT SAFETY FILE/CANARY CORP. HEALTH & SAFETY/PINK PLANT PERSONNEL FILE/GOLDENROD GROUP HEALTH & SAFETY

CTD021926

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/12/85
EMPLOYEE NAME ASHLEY W	PAYROLL NUMBER 322	JOB TITLE PIPE HANDLER	
PUMP MANUFACTURER MSA	SERIAL NUMBER 3153	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
021	184	4:50	PIPE HANDLER - LINE 2 PKG.	
			MADE UP PKG LUMBER - ROLLED PIPE	
			TO PKG - STRAPPED PACKAGES	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 15" STORM DRAIN	CODE
---	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 79 WIND DIRECTION W WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0.0061 mm ²	CONSTANT K = 856 FIELD AREA x 1000 = 140
--	---------------------------------------	---	--

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.
021	25.5	100	.255		748	$\frac{fff}{LITERS} \times K = 0.47$	374	17.85
TOTALS							374	17.85

TIME WEIGHTED AVERAGE TOTAL / CC x MIN = TWA TOTAL MIN
0.47 f/cc

SIGNATURE OF SAMPLER T. Meigs	SIGNATURE OF ANALYST T. Meigs
---	---

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>6/07/</i>
EMPLOYEE NAME <i>DUBOIS P</i>	PAYROLL NUMBER <i>295</i>	JOB TITLE <i>BORING MILL OPERATION</i>	
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>3153</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>020</i>	<i>11</i>	<i>22</i>	<i>OPERATED SMALL BORING MILL ; KEPT AREA CLEAN WITH VAC HOSE</i>	
			<i>2 - 10 MIN. BREAKS</i>	
			<i>1 - 30 MIN LUNCH</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>6-150 CPLGS</i>	CODE
---	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>80</i> WIND DIRECTION <i>SW</i> WIND VELOCITY <i>07</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>57</i>	MICROSCOPE MAKE & MODEL <i>B/L</i>	FIELD AREA <i>10061</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 f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>020</i>	<i>57</i>	<i>100</i>	<i>.57</i>		<i>842</i>	$\frac{f/f \times K}{\text{LITERS}} = .095$	<i>421</i>	<i>39.9</i>
TOTALS							<i>421</i>	<i>39.9</i>

TIME WEIGHTED AVERAGE TOTAL f/f x MIN = TWA TOTAL MIN. <i>095 f/cc</i>

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

ASBESTOS MONITORING DATA SHEET

NO. 85-460-1

PLANT										PLANT		DATE OF TEST	
RIVERSIDE										260		6/17/	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
J. A. FIELD R					159			LIFT-TRUCK OPER.					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
154					5185			2.0					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
019	08	27	1526	
			DRIVE LINE TRUCK - FINISHING DEPT TO	
			STORAGE YARD -	
			2-10 MINUTIE BREAKS	
			1-30 + LUNCH	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
12150	

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	SW	WIND VELOCITY	97		

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>flf</u>	B/L	.0061 mm ²	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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
019	23	100	.23		838	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.23 \times 140}{.038} = 419$	419	15.92
TOTALS							419	15.92

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
J. Megerson	J. Megerson

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>6/07/07</i>	
EMPLOYEE NAME <i>CHAGOZA P</i>					PAYROLL NUMBER <i>367</i>		JOB TITLE <i>PIPE HANDLER</i>			CODE		
PUMP MANUFACTURER <i>MSA</i>					SERIAL NUMBER <i>3744</i>		FLOW RATE (lpm) <i>2.0</i>					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
<i>018</i>	<i>0824</i>	<i>1525</i>	<i>PIPE HANDLER LINE 2.</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-30 V LUNCH</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>12" ID</i>	CODE
--	------

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>80</i> WIND DIRECTION <i>SW</i> WIND VELOCITY <i>07</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 = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	--	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED $\text{fff} \div \text{VOLUME} \times K = \text{flcc}$	TOTAL SAMPLE TIME (MIN)	$\text{flcc} \times \text{MIN.}$
<i>018</i>	<i>34</i>	<i>100</i>	<i>.34</i>		<i>842</i>	$\frac{\text{fff} \times K}{\text{LITERS}} = \frac{.34 \times 140}{.0061} = 7754$	<i>421</i>	<i>19.78</i>
TOTALS							<i>421</i>	<i>19.78</i>

TIME WEIGHTED AVERAGE TOTAL $\text{flcc} \times \text{MIN.}$ = TWA TOTAL MIN.
<i>7754</i> flcc

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

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/06/85
EMPLOYEE NAME COOPER H	PAYROLL NUMBER 286	JOB TITLE LATHE OPER.	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 5185	FLOW RATE (lpm) 2	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
017	0831	1437	OPERATED LATHE # 1	
			2- 10 MIN. BREAKS	
			1- 30 MIN LUNCH	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL MOLDEX 2200	REMARKS
---	---	---------

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

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 82 WIND DIRECTION SW WIND VELOCITY 07	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 515	MICROSCOPE MAKE & MODEL B/L	FIELD AREA 1.0061 mm ²	CONSTANT $K = \frac{856}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	---	---

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.
017	64	100	.64		732	$\frac{f/f \times K}{\text{LITERS}} = 1.122$	366	44.65
TOTALS							366	44.65

TIME WEIGHTED AVERAGE TOTAL f/f x MIN. = TWA TOTAL MIN. 1.122 f/cc
--

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>6/10/11</i>
EMPLOYEE NAME <i>SHATON A</i>	PAYROLL NUMBER <i>155</i>	JOB TITLE <i>ASST LATHE OPERATOR</i>	CODE
PUMP MANUFACTURER <i>ALSA</i>	SERIAL NUMBER <i>3-164</i>	FLOW RATE (lpm) <i>2.08</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>016</i>	<i>0830</i>	<i>1436</i>	<i>OPERATED ASST SIDE OF #1 LATHE ; DROVE LIFT TRUCK TO BRING IN PIPE FROM YARD</i>	
			<i>2-10 MINUTE BREAKS</i>	
			<i>1-30 ✓ LUNCH BREAK</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>8.50</i>	CODE
--	------

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>80</i> WIND DIRECTION <i>SW</i> WIND VELOCITY <i>05</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>B/C</i>	FIELD AREA <i>0001 mm²</i>	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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
<i>016</i>	<i>32.0</i>	<i>100</i>	<i>.32</i>		<i>76.28</i>	$\text{flf} \times K = \text{LITERS}$ <i>.06</i>	<i>366</i>	<i>21.96</i>
TOTALS								<i>366 21.96</i>

TIME WEIGHTED AVERAGE TOTAL flf x MIN = TWA TOTAL MIN <i>.06 flcc</i>
--

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

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

PLANT <u>RIVERSIDE</u>										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		
1	11:00	11:45	OPERATOR 1	
2	11:45	12:15		
3	12:15	12:45	2-1-1 MIN. BREAK	
4	12:45	1:15	1-3 * LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☐ SOMETIMES	<u>MOLDEX 2200</u>	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<u>6150 1/4 L</u>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	<u>70</u>	WIND DIRECTION	<u>SW</u>	WIND VELOCITY	<u>05</u>
		PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <u>5</u> FIELDS = <u>55</u> f/f	<u>B/C</u>	<u>2061</u> mm ²	K = <u>855</u> = <u>140</u> 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.
015	55	100	.25		738	$f/f \times K =$ LITERS <u>05</u>	<u>369</u> 738	<u>18.45</u>
TOTALS							<u>369</u>	<u>18.45</u>

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN
TOTAL MIN.
<u>.05</u> f/cc

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

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

CTD021933

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>		DATE OF TEST <i>5/21/85</i>	
EMPLOYEE NAME <i>JAMES J</i>										PAYROLL NUMBER <i>161</i>		JOB TITLE <i>BORING MILL OPERATOR</i>	
PUMP MANUFACTURER <i>ISA</i>										SERIAL NUMBER <i>1617</i>		FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>014</i>	<i>0844</i>	<i>1400</i>	<i>OPERATED 42" BORING MILL</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-30 " " LUNCH " "</i>	

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

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

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

WEATHER CONDITIONS (AVERAGE)		SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐	
OUTSIDE TEMPERATURE °F <i>70</i>	WIND DIRECTION <i>W</i>	WIND VELOCITY <i>01</i>	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 $K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	---	---

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff + VOLUME (K = fcc)	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
<i>014</i>	<i>30.5</i>	<i>100</i>	<i>.305</i>	<i>-</i>	<i>632</i>	$\frac{fff}{LITERS} \times K =$ <i>.067</i>	<i>316</i>	<i>21.17</i>
TOTALS							<i>316</i>	<i>21.17</i>

TIME WEIGHTED AVERAGE TOTAL fcc x MIN. = TWA TOTAL MIN.
<i>.067</i> fcc

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260 013

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>5/24/85</i>
EMPLOYEE NAME <i>D. GOOKS E</i>	PAYROLL NUMBER <i>307</i>	JOB TITLE <i>WET TESTER</i>	CODE
PUMP MANUFACTURER <i>NISA</i>	SERIAL NUMBER <i>5185</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
<i>013</i>	<i>1342</i>	<i>144</i>	<i>TESTED 8150 CPLGS -</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-30 V - LUNCH V -</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>8150 CPLGS</i>	CODE
--	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>70</i> WIND DIRECTION <i>N</i> WIND VELOCITY <i>4</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061 mm²</i>	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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
<i>013</i>	<i>64.5</i>	<i>100</i>	<i>.645</i>		<i>724</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.645 \times 140}{.0061} = 112$	<i>362</i>	<i>43.44</i>
TOTALS							<i>362</i>	<i>43.44</i>

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN.
<i>.112 flcc</i>

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

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

PLANT		PLANT		DATE OF TEST	
RIVERSIDE		260		5/24/57	
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
BIVEN'S		289		WET TESTER	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSH		3153		2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
01208421445			TESTED 8150 CPLGS -	
			2-10 MIN. BREAKS	
			1-30 VV LUNCH ✓	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	70	WIND DIRECTION	W	WIND VELOCITY	04
		PARTLY CLOUDY	☐	FOG	SHOWERS
					SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>515</u>	B-L	.0061 mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$

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.
012	79	100	.79		726	$\frac{f/f \times K}{\text{LITERS}} = \frac{.79 \times 140}{.0061} = 115$	363	54.45
TOTALS								363 54.45

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

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

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260-011

PLANT <u>RIVERSIDE</u>										PLANT <u>260</u>	DATE OF TEST <u>5/24/85</u>
EMPLOYEE NAME <u>EVANS G</u>					PAYROLL NUMBER <u>282</u>	JOB TITLE <u>ASST LATHE OPER</u>				CODE	
PUMP MANUFACTURER <u>MSA</u>					SERIAL NUMBER <u>4452</u>	FLOW RATE (lpm) <u>2.0</u>					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
011	0848	1415	TRUCKED PIPE FROM YARD TO LATHE NO.	
			1. ASSISTED IN TOOL CHANGES, ADJUSTMENTS	
			2-10 MIN. BREAKS	
			1-30 MIN. LUNCH BREAK -	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <u>MOLDEX 200</u>	REMARKS
---	--	---------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <u>8-150</u>	CODE
---	------

EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS <u>REMOVED PUMP 2:15 - BALL BEGAN TO FLUTUATE</u>
---	--

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <u>71</u> WIND DIRECTION <u>W</u> WIND VELOCITY <u>04</u>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN <u> </u> FIELDS = <u> </u> f/s	MICROSCOPE MAKE & MODEL <u>B-L</u>	FIELD AREA <u>.0061</u> mm ²	CONSTANT K = <u>855</u> = <u>140</u> FIELD AREA x 1000
---	---------------------------------------	--	--

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/s + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
01123	100	23			654	$\frac{f/s}{L} \times K = 1.05$	327	16.35
TOTALS							327	16.35

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. <u>0.5</u> f/cc

SIGNATURE OF SAMPLER <u>L. Megarson</u>	SIGNATURE OF ANALYST <u>L. Megarson</u>
--	--

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

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>5/23/85</i>
EMPLOYEE NAME <i>EDWARD J</i>	PAYROLL NUMBER <i>235</i>	JOB TITLE <i>TRAYLOADER</i>	CODE
PUMP MANUFACTURER <i>NISA</i>	SERIAL NUMBER <i>0406</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>010</i>	<i>0835</i>	<i>1400</i>	<i>STAMPED & STENCILED PIPE LOADED PIPE INTO TRAYS W/OVERHEAD HOIST.</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 MIN. LUNCH BREAK.</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>8-150</i>	CODE
---	------

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>69</i> (AVERAGE)	WIND DIRECTION <i>4</i>	WIND VELOCITY <i>04</i>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
--	-------------------------	-------------------------	--

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 = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	--	---

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>010</i>	<i>12</i>	<i>100</i>	<i>.12</i>		<i>650</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{12 \times 140}{.0061} = 2660$	<i>325</i>	<i>8399</i>
TOTALS							<i>325</i>	<i>6.399</i>

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN.
<i>.026</i> flcc

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

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260 009

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>	DATE OF TEST <i>5/23/85</i>	
EMPLOYEE NAME <i>S. MCLEANT</i>					PAYROLL NUMBER <i>123</i>					JOB TITLE <i>STRIPPER</i>		CODE
PUMP MANUFACTURER <i>NISA</i>					SERIAL NUMBER <i>1617</i>					FLOW RATE (lpm) <i>2.0</i>		

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
<i>009</i>	<i>8:32</i>	<i>14:31</i>	<i>STRIPPED MANDRELS FROM PIPE AT</i>	
			<i>END OF #1 CURING TUNNEL</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-30 MIN. LUNCH BREAK</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<i>8-150</i>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F <i>69</i>	WIND DIRECTION <i>W</i>	WIND VELOCITY <i>09</i>	PARTLY CLOUDY	FOG	SHOWERS

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>18.5</i> FIELDS = <i>185</i> f/f	<i>B-L</i>	<i>0.036</i> mm ²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc		TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
						f/f x K =	LITERS		
<i>009</i>	<i>185</i>	<i>100</i>	<i>.185</i>		<i>718</i>	<i>.036</i>	<i>359</i>	<i>12.92</i>	
TOTALS								<i>359</i>	<i>12.92</i>

TIME WEIGHTED AVERAGE	
TOTAL f/cc x MIN. = TWA	
TOTAL MIN.	
<i>1.036</i> f/cc	

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

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

PLANT										PLANT										DATE OF TEST																			
RIVERSIDE										260										5/23/85																			
EMPLOYEE NAME										PAYROLL NUMBER										JOB TITLE										CODE									
COLE H										140										TRAY LOADER/TRUCK OPER																			
PUMP MANUFACTURER										SERIAL NUMBER										FLOW RATE (lpm)																			
MSA										3153										2.0																			

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
008	0840	1430	TRUCKED TRAYS OF PIPE TO AUTOCLAVE	
			BOGIES & LOADED SAME	
			2-10 MIN. BREAKS	
			1-20 MIN LUNCH BREAK	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	69	WIND DIRECTION	W	WIND VELOCITY	04
		PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>fff</u>	B-L	.0061 mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED fff → VOLUME × K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc × MIN.
008	10	100	.10		704	$\frac{fff \times K}{\text{LITERS}} = .019$	352	6.68
TOTALS							352	6.68

TIME WEIGHTED AVERAGE	
TOTAL f/cc × MIN.	TWA
.019 f/cc	

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
A. Megargen	A. Megargen

ASBESTOS MONITORING DATA SHEET

NO. 85-240-007

PLANT <i>RIVERSIDE</i>		PLANT <i>240</i>	DATE OF TEST <i>5/23/85</i>
EMPLOYEE NAME <i>WADRON</i>	PAYROLL NUMBER <i>376</i>	JOB TITLE <i>MANDREL HANDLER</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>4452</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>007</i>	<i>0829</i>	<i>1424</i>	<i>TENDED MANDRELS & PIPE</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 MIN. LUNCH BREAK</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>8-150 pipe</i>	CODE
--	------

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F <i>69</i>	WIND DIRECTION <i>N</i>	WIND VELOCITY <i>04</i>	PARTLY CLOUDY	FOG	SHOWERS

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>1</i> FIELDS = <i>115</i>	<i>B-1</i>	<i>50061 mm²</i>	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f ÷ VOLUME × K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc × MIN.
<i>007</i>	<i>17.5</i>	<i>100</i>	<i>.175</i>		<i>710</i>	$\frac{f/f \times K}{\text{LITERS}} = \frac{.175 \times 140}{1.03} = 23.5$	<i>355</i>	<i>10.65</i>
TOTALS							<i>355</i>	<i>10.65</i>

TIME WEIGHTED AVERAGE
$\frac{\text{TOTAL f/cc} \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$
<i>1.03 f/cc</i>

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

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

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 5/22/85
EMPLOYEE NAME RENARD E.	PAYROLL NUMBER 144	JOB TITLE RELIEF OPERATOR	
PUMP MANUFACTURER 115A	SERIAL NUMBER 1617	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
006	8:48	14:54	RELIEVED CREW MEMBERS ON LUNCH	
			BREAKS. CLEAN-UP WAREHOUSE	
			2-10 MIN. BREAKS	
			1-30 V LUNCH BREAK	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8.150 PIPE	CODE
--	------

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 67 WIND DIRECTION W WIND VELOCITY 05	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 515	MICROSCOPE MAKE & MODEL B-1	FIELD AREA 2061 mm²	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 f/cc + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
006	51.5	100	.515		732	$\frac{515}{100} \times K = .098$	366	35.86
TOTALS							366	35.86

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN. .098 f/cc

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

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>5/22/85</i>
EMPLOYEE NAME <i>401270W 14</i>	PAYROLL NUMBER <i>156</i>	JOB TITLE <i>MACHINE TENDER</i>	
PUMP MANUFACTURER <i>NISA</i>	SERIAL NUMBER <i>5185</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
<i>005</i>	<i>0840</i>	<i>1453</i>	<i>TENDED PIPE MACHINE</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 ✓ LUNCH BREAK</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
--	------

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

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>67</i> WIND DIRECTION <i>W</i> WIND VELOCITY <i>05</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 $K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$
--	---------------------------------------	--	---

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.
<i>005</i>	<i>30.5</i>	<i>100</i>	<i>.305</i>		<i>746</i>	$\frac{fff}{LITERS} \times K =$ <i>1.057</i>	<i>373</i>	<i>21.26</i>
TOTALS							<i>373</i>	<i>21.26</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
<i>057</i> f/cc

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

PLANT <i>RIVER SIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>5/22/85</i>
EMPLOYEE NAME <i>BRADY J</i>	PAYROLL NUMBER <i>333</i>	JOB TITLE <i>PRESS OPER</i>	CODE
PUMP MANUFACTURER <i>ALSA</i>	SERIAL NUMBER <i>3153</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>004</i>	<i>10:30</i>	<i>11:53</i>	<i>OPERATED PRESS AT PIPE MACH -</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 V LUNCH BREAK -</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
--	------

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

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>67</i> (AVERAGE)	WIND DIRECTION <i>N</i>	WIND VELOCITY <i>05</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 mm²</i>	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 fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>004</i>	<i>29.5</i>	<i>100</i>	<i>.295</i>		<i>750</i>	$\frac{fff \times K}{\text{LITERS}} = .055$	<i>375</i>	<i>20.62</i>
TOTALS							<i>375</i>	<i>20.62</i>

TIME WEIGHTED AVERAGE $\frac{\text{TOTAL f/cc} \times \text{MIN}}{\text{TOTAL MIN.}} = \text{TWA}$
<i>.055 f/cc</i>

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

ASBESTOS MONITORING DATA SHEET

NO. 85-260-003

PLANT RIVERSIDE										PLANT 260	DATE OF TEST 5/22/85
EMPLOYEE NAME CONTRERAS J					PAYROLL NUMBER 240	JOB TITLE MIXERMAN				CODE	
PUMP MANUFACTURER WEL					SERIAL NUMBER 3764	FLOW RATE (lpm) 2.0					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
003	4:42	1:55	MIXERMAN - SET UP BATCHES OF FIBER -	
			OPERATED BAG OPENER - OPERATED LIFT TRUCK	
			UNLOADING FIBER FROM TRAILER - LOADED	
			PALLETS ON BATCH TABLE 2-10 MIN BREAK - 1-20 MIN LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 3M MOLDEX 7200	REMARKS (D)
---	--	-----------------------

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) E150	CODE
--	------

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

WEATHER CONDITIONS (AVERAGE)	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 67 WIND DIRECTION W WIND VELOCITY 0.5 PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐	

BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0.061 mm²	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 fff + VOLUME x K = fsec	TOTAL SAMPLE TIME (MIN)	fsec x MIN.
003	89	100	.89		746	$\frac{fff}{LITERS} \times K = .16$	373	59.68
TOTALS							373	59.68

TIME WEIGHTED AVERAGE TOTAL fsec x MIN. = TWA TOTAL MIN. .16 fsec

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

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

PLANT <u>RIVERSIDE</u>										PLANT		DATE OF TEST	
EMPLOYEE NAME <u>JOHN J. MCGOUGH</u>										PAYROLL NUMBER <u>131</u>		JOB TITLE <u>OFFICE MANAGER</u>	
PUMP MANUFACTURER <u>3M</u>										SERIAL NUMBER <u>3155</u>		FLOW RATE (lpm) <u>1.72</u>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
002	11:45	12:15	30 MIN. SAMPLES - 10 MIN. BREAKS	
			USED RESP ON 11:45 FINIS	
			2-10 MIN. BREAKS	
			1-30 MIN LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☒ YES ☐ NO ☐ SOMETIMES	3M 9710	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
16150 CPL65	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F <u>64</u>	WIND DIRECTION <u>NE</u>	WIND VELOCITY <u>05</u>	PARTLY CLOUDY	FOG	SHOWERS

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <u>100</u> FIELDS = <u>1485</u> f/f	<u>B-L</u>	<u>.0061</u> mm ²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = 14.3$

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.
002	1485	100	1485		800.24	$\frac{1485}{100} \times 14.3 = 212.355$ LITERS	422	109.62
TOTALS							422	109.62

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
<u>259</u> f/cc

SIGNATURE OF SAMPLER <u>L. Megargue</u>	SIGNATURE OF ANALYST <u>Larry Megargue</u>
---	--

851705 Riverside