

Seq T Name 0001 A Soc Sec	AREA	Dept PRODUCTION Locn PIPE MACHINE	Contaminant TWA	Asbestos / CEF 37mm .8u 0.050000 F/CC	/P&CAM 239 R=A
Date 09/19/1984		Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift 1ST	8 HOUR	Job AREA SAMPLE	Product 8" 150		
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	765	0.0000	0.0500/ 0.0	0.0500	LOADED OPPOSITE PIPE MACHINE 5' 9" ABOVE FLOOR LEVEL
Seq T Name 0002 P Soc Sec 570-58-4041	GIL, LARRY L.	Dept PRODUCTION Locn LATHE - FM	Contaminant TWA	Asbestos / CEF 37mm .8u 0.044000 F/CC	/P&CAM 239 R=A
Date 09/18/1984		Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift 1ST	8 HOUR	Job OPERATOR	Product 10" SWR PVC ADAPTORS		
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	761	0.0000	0.0440/ 0.0	0.0440	MACHINED 10" PVC ADA PTORS-SETUP LATHE FOR 10"
Seq T Name 0003 P Soc Sec 385-22-0170	SOMCRANT, WILLIAM G.	Dept PRODUCTION Locn PIPE MACHINE	Contaminant TWA	Asbestos / CEF 37mm .8u 0.027000 F/CC	/P&CAM 239 R=A
Date 08/29/1984		Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift 2ND	8 HOUR	Job STRIPPER	Product 8" 150		
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	736	0.0000	0.0270/ 0.0	0.0270	STRIPPED MANDRELS FR OM PIPE AT END OF PRIMARY CURING TUNNEL
Seq T Name 0004 P Soc Sec 440-34-0878	LEDFOORD, JOE D.	Dept PRODUCTION Locn TRAY LOADING	Contaminant TWA	Asbestos / CEF 37mm .8u 0.030000 F/CC	/P&CAM 239 R=A
Date 08/29/1984		Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift 2ND	8 HOUR	Job OPERATOR	Product 8" 150		
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	735	0.0000	0.0300/ 0.0	0.0300	LOADED PIPE INTO TRA YS AT END OF SECONDARY CURE TUNNEL

PLAINTIFF'S EXHIBIT

CT-1432

CTD021947

Seq T Name RODRIGUEZ, JESSE A. Dept BATCH/FORMING Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0005 P Soc Sec 556-02-2914 Locn MIXER TWA 0.130000 F/CC
 Date 08/29/1984 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Job OPERATOR Product 8" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	734	08:17	14:45	388	0.0000	0.1300/	0.0	0.1300	Y DISPOSABLE SINGLE USE SET UP BATCHES ON CO WVEYOR-OPERATED BAG OPENER USE LIFT TRUCK	

Seq T Name CANTRELL, NORMAN L. Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0006 P Soc Sec 572-64-3309 Locn MANDREL TWA 0.032000 F/CC
 Date 08/29/1984 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 2ND 8 HOUR Job HANDLER Product 8" 150 PIPE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	733	08:15	14:29	374	0.0000	0.0320/	0.0	0.0320	N OPERATED MANDREL STA TION	

Seq T Name LOLLIE, KEVIN W. Dept PRODUCTION Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0007 P Soc Sec 551-49-5291 Locn SAW - REWORK TWA 0.065000 F/CC
 Date 08/28/1984 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Job LABORER Product 6" & 8" 1/4 LENGTHS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	763	08:12	14:48	396	0.0000	0.0650/	0.0	0.0650	Y DISPOSABLE SINGLE USE OPERATED #1 SAW-6" & 8" INTO 1/4 LENGTHS	

Seq T Name MCGREGOR, PAUL W. Dept MAINTENANCE Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0008 P Soc Sec 484-05-0739 Locn GENERAL TWA 0.190000 F/CC
 Date 08/26/1984 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Job MECHANIC Product

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	764	08:00	12:45	285	0.0000	0.1860/	0.0	0.1900	Y DISPOSABLE SINGLE USE SERVICED BAG HOUSE	

Seq T Name GRANILLO, BENJAMIN Dept QUALITY CONTROL Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 0009 P Soc Sec 557-56-8670 Locn LAB TWA 0.030000 F/CC
 Date 08/23/1984 Pel/Exp Limit OSHA PEL = 2 F/CC
 Shift 1ST 8 HOUR Job INSPECTOR Product

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	762	08:11	14:16	365	0.0000	0.0300/	0.0	0.0300	S DISPOSABLE SINGLE USE ROUTINE DUTIES	

Seq T Name AREA
0010 A Soc Sec
Date 08/20/1984
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	760	09:19	15:01	342	0.0000	0.0750/	0.0	0.0750			MIXED & DISCHARGED FIBER IN BATCHES TO FIBER SCALE.

Seq T Name AREA
0011 A Soc Sec
Date 08/14/1984
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	766	10:17	14:29	252	0.0000	0.1470/	0.0	0.1500			36" FROM DRY FEED SC REEN 59" ABOVE FLOOR LEVEL

Seq T Name SILVA, TONY G.
0012 P Soc Sec 573-24-9440
Date 08/03/1984
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	728	08:05	10:55	170	0.0000	0.1500/	0.0	0.1500			S DISPOSABLE SINGLE USE OPERATED CRUSHER 85 MINUTES-CLEANED AREA 85 MINUTES

Seq T Name AREA
0013 A Soc Sec
Date 08/02/1984
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST	Exp Limit	Respirator	Comments
1.	732	09:00	15:34	394	0.0000	0.1170/	0.0	0.1200			

Seq T Name	AREA	Dept BATCH/FORMING	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
0014 A Soc Sec		Locn MIXER	TWA	0.079000 F/CC	
Date	08/01/1984	Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift	1ST	Job AREA SAMPLE	Product	14" 150; 14" 150 CPLGS	
8 HOUR					
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	731	0.0000	0.0790		TOP OF STAIRWAY TO MIXING SYSTEM-MOUNTED ON RAILING 39" FROM FLOOR & 30" FROM STA
Seq T Name	AREA	Dept BATCH/FORMING	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
0015 A Soc Sec		Locn MIXER	TWA	0.080000 F/CC	
Date	08/01/1984	Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift	1ST	Job AREA SAMPLE	Product	14" 150 & 14" 150 C/S	
8 HOUR					
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	730	0.0000	0.0800		TOP OF STAIRWAY TO MIXING SYSTEM-MOUNTED 39" ABOVE FLOOR, 30" FROM STAIRWAY ON RA
Seq T Name	GARCIA, MONTY A.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
0016 P Soc Sec	527-50-6060	Locn FITTINGS	TWA	0.044000 F/CC	
Date	06/29/1984	Proc LINE 2	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift	1ST	Job INSPECTOR	Product	12" 150; 6" 150 1/4 MEO	
8 HOUR					
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	729	0.0000	0.0440	N	QC INSPECTION ROUTIN E
Seq T Name	SILVA, TONY G.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
0017 P Soc Sec	573-24-9440	Locn CRUSHER	TWA	0.000000 F/CC	
Date	06/29/1984	Proc	Pel/Exp Limit OSHA PEL = 2 F/CC		
Shift	1ST	Job OPERATOR	Product		
8 HOUR					
Equip	Samp	LPM	ST Exp Limit	Respirator	Comments
1.	728	0.0000	0.0000	S OTHER	CRUSHED VARIOUS SCRA P PIPE-45 MIN TO TRASH DUMP

Seq T Name SANDERS, ANZY O.
0018 P Soc Sec 431-64-0728
Date 06/29/1984
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.021000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product MISC

Dept PRODUCTION
Locn GENERAL
Proc
Job FORKLIFT OPERATOR

ST Exp Limit
N

Comments
OPERATED LIFT TRUCK IN ROUND-THE-WALL
OPERATION

1. Equip Smp 727 Start Stop Min 08:31 15:15 404 LPM 0.0000 Analysis-F/CC 0.0210/ 0.0 Conc-F/CC 0.0210 Respirator N

Seq T Name MOJESKE, JOHN E.
0019 P Soc Sec 557-28-9608
Date 06/29/1984
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.032000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

Dept MAINTENANCE
Locn GENERAL
Proc
Job MECHANIC

ST Exp Limit
N

Comments
REGULAR MAINT. IN FI NISHING DEPT-WENT
HOME ILL AT 2:31 PM

1. Equip Smp 726 Start Stop Min 08:29 14:31 362 LPM 0.0000 Analysis-F/CC 0.0320/ 0.0 Conc-F/CC 0.0320 Respirator N

Seq T Name PALOMERA, GREGORY V.
0020 P Soc Sec 567-21-2535
Date 06/29/1984
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.063000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 6" 150 1/4 MEO

Dept PRODUCTION
Locn LATHE - 1/4
Proc
Job OPERATOR

ST Exp Limit
N

Comments
OPERATED 1/4 LENGTH LINE-WENT TO BANK-
PUMP TURNED OFF 30 MIN

1. Equip Smp 725 Start Stop Min 08:22 15:07 405 LPM 0.0000 Analysis-F/CC 0.0630/ 0.0 Conc-F/CC 0.0630 Respirator N

Seq T Name AVERY, JR, ALBERT
0021 P Soc Sec 572-82-0787
Date 06/27/1984
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u
TWA 0.090000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150

Dept PRODUCTION
Locn PIPE MACHINE
Proc LINE 2
Job HANDLER

ST Exp Limit
N

Comments
OPERATED 1/4 LENGTH LINE-WENT TO BANK-
PUMP TURNED OFF 30 MIN

1. Equip Smp 724 Start Stop Min 08:20 14:51 391 LPM 0.0000 Analysis-F/CC 0.0900/ 0.0 Conc-F/CC 0.0900 Respirator N

Seq T Name BIVENS, JANET R.
 0022 P Soc Sec 547-72-9345
 Date 06/27/1984
 Shift 1ST 8 HOUR
 Dept PRODUCTION
 Locn COUPLING TESTER
 Proc
 Job OPERATOR
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.090000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 6" 150 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	723	08:16	14:38	382	0.0000	0.0900/	0.0	0.0900	N	OPERATED WET TESTER; TESTED CPLGS; PALLETIZED CPLGS.

Seq T Name BOYD, DOUGLAS R.
 0023 P Soc Sec 568-54-5139
 Date 06/27/1984
 Shift 1ST 8 HOUR
 Dept PRODUCTION
 Locn COUPLING TESTER
 Proc
 Job OPERATOR
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.065000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 6" 150 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	722	08:28	14:50	382	0.0000	0.0650/	0.0	0.0650	N	OPERATED WET TESTER- TESTED 6" 150 CPLGS- PALLETIZED TESTED CPLGS

Seq T Name BRYANT, BIRK
 0024 P Soc Sec 266-82-7813
 Date 06/27/1984
 Shift 1ST 8 HOUR
 Dept PRODUCTION
 Locn SAW - REMORK
 Proc
 Job OPERATOR
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.097000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product MISC

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	721	08:24	14:51	387	0.0000	0.0970/	0.0	0.0970	Y DISPOSABLE SINGLE USE WORKED #1 & #2 REMOR K SAWS-MISC SIZES & CLASSES.	

Seq T Name ASKEW, WILLIAM E.
 0025 P Soc Sec 561-90-4679
 Date 06/27/1984
 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 0.074000 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.	720	08:18	14:48	390	0.0000	0.0740/	0.0	0.0740	N	

Seq T Name HASTINGS, SR, FLOYD E.
 0026 P Soc Sec 385-14-8486
 Date 06/26/1984
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	719	08:25	14:32	367	0.0000	0.0270/	0.0	0.0270	N	PULLS MANDRELS FROM PIPE-ROLLS PIPE TO 2ND CURE TUNNEL.

Seq T Name VILLALPANDO, ANDRES R.
 0027 P Soc Sec 568-42-8810
 Date 06/26/1984
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	718	08:30	14:30	360	0.0000	0.0410/	0.0	0.0410	N	MARKS & LOADS PIPE I NTO TRAYS FROM 2ND CURE TUNNEL.

Seq T Name SANIGA, EUGENE
 0028 P Soc Sec 210-24-1301
 Date 06/26/1984
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	717	08:29	14:49	380	0.0000	0.0330/	0.0	0.0330		PLACING PIPE FROM CU RE TUNNEL INTO TRAYS TRUCKED FULL TRAYS TO AUTOCLAVE CARS-LOA

Seq T Name CASAS, JOHN A.
 0029 P Soc Sec 573-94-2307
 Date 05/11/1984
 Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	41	08:18	13:17	299	0.0000	0.0250/	0.0	0.0250	N	OPERATED PRESS SECTI ON OF PIPE MACHINE

Seq T Name WINDSOR, FREDERICK E.
 0030 P Soc Sec 568-52-1743
 Date 05/11/1984
 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn PIPE MACHINE
 Proc
 Job RELIEF

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.043000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 16" 150 & 21" & 24" CPLGS

ST Exp Limit Respirator
 S DISPOSABLE SINGLE USE RELIEVES OTHER OPER DURING THEIR BREAK PERIODS & CLEANUP CYLINDER WASHING ETC

Seq T Name REYES, PETER C.
 0031 P Soc Sec 560-04-6091
 Date 05/11/1984
 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn MANDREL
 Proc
 Job HANDLER

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.031000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 16" 150 & 21" & 24" CPLGS

ST Exp Limit Respirator
 N
 NORMAL FUNCTIONS AS MANDREL HANDLER AT PIPE MACHINE

Seq T Name RICHARDSON, JERRY D.
 0032 P Soc Sec 557-96-1876
 Date 05/11/1984
 Shift 1ST 8 HOUR

Dept BATCH/FORMING
 Locn MIXER
 Proc
 Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.052000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 16" 150 & 21" & 24" CPLGS

ST Exp Limit Respirator
 Y DISPOSABLE SINGLE USE SET UP BATCHES (FIBE R) ON CONVEYOR OPERATED BAG OPENER; OPERATED SWEEPER

Seq T Name RENFRO, EDWARD T.
 0033 P Soc Sec 553-54-5445
 Date 05/04/1984
 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn MANUFACTURING
 Proc
 Job RELIEF

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.054000 F/CC
 Pel/Exp Limit OSHA PEL = 2 F/CC
 Product 18" STORM DRAIN; 18" SEWER

ST Exp Limit Respirator
 N
 RELIEF OPERATOR; RAN SHOT BLASTER 20 MIN

Seq T Name GALVIN, DENNIS W.

0034 P Soc Sec 560-48-6590

Date 05/04/1984

Shift 1ST 8 HOUR

Dept PRODUCTION

Locn GENERAL

Proc

Job FORKLIFT OPERATOR

Contaminant Asbestos / CEF 37mm .8u

TWA 0.024000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 6" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	23	08:31	15:05	394	0.0000	0.0240/	0.0	0.0240		N	TRANSPORTED & STACKED PIPE FROM FNSHG TO STG YARD

Seq T Name ATENCIO, SR, STEVEN A.

0035 P Soc Sec 553-88-1692

Date 05/04/1984

Shift 1ST 8 HOUR

Dept PRODUCTION

Locn FITTINGS

Proc

Job MAKER

Contaminant Asbestos / CEF 37mm .8u

TWA 0.033000 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.	22	08:13	15:07	414	0.0000	0.0330/	0.0	0.0330		N	GLUING (EPOXY) MISC FITTINGS

Seq T Name JAMES, JIMMY L.

0036 P Soc Sec 572-82-0622

Date 05/04/1984

Shift 1ST 8 HOUR

Dept PRODUCTION

Locn BORING MILL 42

Proc

Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u

TWA 0.054000 F/CC

Pel/Exp Limit OSHA PEL = 2 F/CC

Product 8" 150 CPLGS; 14" 200 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	21	08:30	12:30	240	0.0000	0.0540/	0.0	0.0540		N	OPERATED 30" BORING MILL & 42" BORING MILL-EQUAL TIMES: 2HRS/30; 2HRS/42"

Seq T Name HAMILTON, CHRISTOPHER

0039 P Soc Sec 555-74-5800

Date 05/03/1984

Shift 1ST 8 HOUR

Dept PRODUCTION

Locn FITTINGS

Proc

Job MAKER

Contaminant Asbestos / CEF 37mm .8u

TWA 0.074000 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.	20	08:14	15:07	413	0.0000	0.0740/	0.0	0.0740		N	SAW BRANCHES-VARIOUS ITEMS/DRILL PIPE-VARIOUS ITEMS

Seq T Name BRADY, SR, JEFFERY L.

0040 P Soc Sec 551-02-9474

Date 05/03/1984

Shift 2ND 8 HOUR

Dept PRODUCTION
Locn PRESS
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.042000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 200; 16" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	19	08:30	14:55	385	0.0000	0.0420/	0.0	0.0420	N	OPERATED PRESS/PIPE MACHINE

Seq T Name STEWARD, RAYMOND L.

0041 P Soc Sec 570-56-5483

Date 05/03/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn HYDROTESTER
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.035000 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.	18	08:02	15:07	425	0.0000	0.0350/	0.0	0.0350	N	

Seq T Name BROOKS (TOMPKINS), ENOLA G.

0042 P Soc Sec 570-02-3059

Date 05/03/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE LINE
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.036000 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.	17	08:00	15:05	425	0.0000	0.0360/	0.0	0.0360	N	TRUCKED PIPE FROM N. YARD TO #1 LATHE ASSISTED L.O.

Seq T Name EVANS, GEORGE R.

0043 P Soc Sec 566-04-8933

Date 05/03/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE LINE
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.039000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 6" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	.039	08:06	15:07	421	0.0000	0.0390/	0.0	0.0390	S	DISPOSABLE SINGLE USE OPERATED #1 LATHE

Seq T Name DOBBS, JEFF M.

0044 P Soc Sec 571-92-9159

Date 05/03/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE - 1/4
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.052000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 1/4 MEO; 10" 150 1/4 MEO

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	15	08:04	15:08	424	0.0000	0.0520/	0.0	0.0520	N	1 CHANGE OVER

Seq T Name AREA
0045 A Soc Sec
Date 04/30/1984
Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job AREA SAMPLE

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	445	08:15	12:41	266	0.0000	0.1390/	0.0	0.1400		POSITIONED TOP OF ST AIRWAY ON RAILING OPPOSITE #2 MUNSON

Seq T Name GIL, LARRY L.
0047 P Soc Sec 570-58-4041
Date 04/30/1984
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn LATHE - FM
Proc
Job OPERATOR

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	14	08:11	15:17	426	0.0000	0.0350/	0.0	0.0350	N	FULLY MACHINED 1/2 L ENNGTHS MADE UP UNITS 1/2 LENGTHS FOR STG.

Seq T Name MORALES, DAVID E.
0048 P Soc Sec 549-52-6935
Date 04/27/1984
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job TENDER

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	443	08:05	12:05	240	0.0000	0.1030/	0.0	0.1000	N	

Seq T Name DOBBS, PHILLIP R.
0049 P Soc Sec 557-68-1875
Date 04/30/1984
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.	444-1	07:00	11:40	280	0.0000	0.0850/	0.0	0.0850	N	
2.	444-2	12:00	14:21	141	0.0000	0.1490/	0.0	0.1500	N	

Seq T Name MORALES, DAVID E.
 0050 P Soc Sec 549-52-6935
 Date 04/27/1984
 Shift 1ST 8 HOUR

Seq	Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.		440-1	07:00	10:20	200	0.0000	0.0770/	0.0	0.0770		
2.		440-2	10:20	13:40	200	0.0000	0.0820/	0.0	0.0820		

Seq T Name CLAUSON, JOHN N.
 0051 P Soc Sec 554-72-9301
 Date 04/26/1984
 Shift 1ST 8 HOUR

Seq	Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.		13	07:58	14:56	418	0.0000	0.0820/	0.0	0.0820		Y DISPOSABLE SINGLE USE UNITIZED 1/4 & 1/2 LENGTHS

Seq T Name AREA
 0052 A Soc Sec
 Date 04/25/1984
 Shift 1ST 8 HOUR

Seq	Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.		436-1	08:17	10:40	143	0.0000	0.0700/	0.0	0.0700		
2.		436-2	10:40	15:28	288	0.0000	0.0760/	0.0	0.0760		

Seq T Name SUAREZ, ANDRES L.
 0053 P Soc Sec 560-68-8273
 Date 04/25/1984
 Shift 1ST 8 HOUR

Seq	Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.		12	08:06	14:56	410	0.0000	0.0700/	0.0	0.0700		LINE 1-PIPE HANDLER LINE 2-PIPE HANDLER

Seq T Name AMARO, RICHARD
 0054 P Soc Sec 560-98-0226
 Date 04/25/1984
 Shift 1ST 8 HOUR

Seq	Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.		11	08:07	14:56	409	0.0000	0.0400/	0.0	0.0400		WORKED AS PIPE HANDLER - LINE 1 & 2

Seq T Name MORALES, DAVID E.
 0055 P Soc Sec 549-52-6935
 Date 04/24/1984
 Shift 1ST 8 HOUR
 Dept PRODUCTION
 Locn PIPE MACHINE
 Proc
 Job TENDER
 Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
 TWA 0.150000 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.	431	19:08	22:29	201	0.0000	0.1600/	0.0	0.1600		N	
2.	431-2	22:29	02:00	211	0.0000	0.1460/	0.0	0.1500		N	
Seq T Name	DOBBS, PHILLIP R.										
0056 P Soc Sec	557-68-1875										
Date	04/23/1984										
Shift	1ST 8 HOUR										
Dept	PRODUCTION										
Locn	BORING MILL										
Proc	LINE 2										
Job	OPERATOR										
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.065000 F/CC										
Pel/Exp Limit	OSHA PEL = 2 F/CC										
Product	6" 150 C/S										

Equp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	429	08:00	11:48	228	0.0000	0.0700/	0.0	0.0700		N	
2.	429-2	11:48	15:03	195	0.0000	0.0590/	0.0	0.0590		N	
Seq T Name	AREA										
0057 A Soc Sec											
Date	04/18/1984										
Shift	1ST 8 HOUR										
Dept	BATCH/FORMING										
Locn	MIXER										
Proc	LINE 2										
Job	AREA SAMPLE										
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.100000 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.	424	08:13	11:48	215	0.0000	0.1220/	0.0	0.1200			
2.	424-2	11:48	15:29	221	0.0000	0.0840/	0.0	0.0840			
Seq T Name	AESCHILMAN, KENNETH M.										
0058 P Soc Sec	573-76-0128										
Date	04/17/1984										
Shift	1ST 8 HOUR										
Dept	PRODUCTION										
Locn	PIPE MACHINE										
Proc											
Job	TENDER										
Contaminant	Asbestos / CEF 37mm .8u										
TWA	0.110000 F/CC										
Pel/Exp Limit	OSHA PEL = 2 F/CC										
Product	8" 150 PIPE										

Equp	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	419	07:40	10:58	198	0.0000	0.0650/	0.0	0.0650		N	
2.	419-2	10:58	14:55	237	0.0000	0.1460/	0.0	0.1500		N	

Seq T Name AREA

0059 A Soc Sec

Date 03/23/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn BAG OPENER & MIXER
Proc
Job AREA SAMPLEContaminant Asbestos / CEF 37mm .8u
TWA 0.140000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150

/P&CAM 239 R=A

Equip

Samp

716

Start Stop Min

07:30 14:32 422

LPM

0.0000

Analysis-F/CC

0.1450/

Conc-F/CC

0.0 0.1400

ST Exp Limit

Respirator

Comments

JCT OF BATCH CONVEYO R & INCLINE FEED
CONVEYOR

Seq T Name AREA

0060 A Soc Sec

Date 03/23/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job AREA SAMPLEContaminant Asbestos / CEF 37mm .8u
TWA 0.044000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150

/P&CAM 239 R=A

Equip

Samp

717

Start Stop Min

07:30 14:35 425

LPM

0.0000

Analysis-F/CC

0.0440/ 0.0 0.0440

ST Exp Limit

Respirator

Comments

MACHINE TENDER'S PAN EL

Seq T Name

0061 P Soc Sec 267-86-0043

Date 03/23/1984

Shift 2ND 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job TENDERContaminant Asbestos / CEF 37mm .8u
TWA 0.085000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

/P&CAM 239 R=A

Equip

Samp

712

Start Stop Min

07:45 13:38 353

LPM

0.0000

Analysis-F/CC

0.0850/ 0.0 0.0850

ST Exp Limit

Respirator

Comments

BRUSHED SHOWERS

Seq T Name

0062 P Soc Sec 555-62-0421

Date 03/23/1984

Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u
TWA 0.170000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150 & CPLGS

/P&CAM 239 R=A

Equip

Samp

713

Start Stop Min

07:55 14:53 418

LPM

0.0000

Analysis-F/CC

0.1730/ 0.0 0.1700

ST Exp Limit

Respirator

Comments

Y DISPOSABLE SINGLE USE SET-UP BATCHES, KEPT WORK AREA CLEAN

Seq T Name

0063 P Soc Sec 344-30-3938

Date 03/23/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn COUPLING CUT OFF
Proc
Job OPERATORContaminant Asbestos / CEF 37mm .8u
TWA 0.320000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 10" 150 & 6" 150

/P&CAM 239 R=A

Equip

Samp

714

Start Stop Min

07:50 14:50 420

LPM

0.0000

Analysis-F/CC

0.3200/ 0.0 0.3200

ST Exp Limit

Respirator

Comments

S DISPOSABLE SINGLE USE MADE 1 SET UP (30 MI N)

CTD021960

Seq T Name HORTON, ALBERT N.
0064 P Soc Sec 267-86-0043
Date 03/22/1984
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job TENDER
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.100000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	706	07:50	14:49	419	0.0000	0.1000/	0.0	0.1000		N	CLEANED SHOWERS FILT ERS

Seq T Name COOLEY, DENNIS D.
0065 P Soc Sec 344-30-3938
Date 03/22/1984
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn COUPLING CUT OFF
Proc
Job OPERATOR
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.160000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 8" 150; 10" 150; 10" 200 CPLGS

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	708	07:50	14:56	426	0.0000	0.1620/	0.0	0.1600		S DISPOSABLE SINGLE USE 2 SET-UPS	

Seq T Name AREA
0066 A Soc Sec
Date 03/22/1984
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn COUPLING CUT OFF
Proc
Job AREA SAMPLE
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.100000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 10" 150; 6" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	711	07:00	14:05	425	0.0000	0.1000/	0.0	0.1000			NO PRODUCTION DURING BREAKS

Seq T Name AREA
0067 A Soc Sec
Date 03/22/1984
Shift 1ST 8 HOUR
Dept PRODUCTION
Locn BAG OPENER & MIXER
Proc
Job AREA SAMPLE
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.069000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	710	07:30	14:36	426	0.0000	0.0690/	0.0	0.0690			

Seq T Name CONTRERAS, JOE L.
0068 P Soc Sec 555-62-0421
Date 03/22/1984
Shift 1ST 8 HOUR
Dept BATCH/FORMING
Locn MIXER
Proc
Job OPERATOR
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.240000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 150

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST	Exp Limit	Respirator	Comments
1.	36	07:52	14:50	418	0.0000	0.2400/	0.0	0.2400			Y DISPOSABLE SINGLE USE SET-UP BATCHES

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=====
Seq T Name AREA
0069 A Soc Sec
Date 03/16/1984
Shift 1ST 8 HOUR
=====
Dept PRODUCTION
Locn COUPLING CUT OFF
Proc
Job AREA SAMPLE
=====
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.044000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 150
=====
ST Exp Limit Respirator
Conc-F/CC 0.0440
Analysis-F/CC 0.0
LPM 0.0000
Start Stop Min 08:10 15:12 422
Samp 624
=====
Comments
PUMP/FILTER MOUNTED ON PANEL OPPOSITE
OPERATORS POSITION
=====
```

```
=====
Seq T Name AREA
0070 A Soc Sec
Date 03/16/1984
Shift 1ST 8 HOUR
=====
Dept PRODUCTION
Locn BAG OPENER & MIXER
Proc
Job AREA SAMPLE
=====
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.074000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 10" 150
=====
ST Exp Limit Respirator
Conc-F/CC 0.0740
Analysis-F/CC 0.0
LPM 0.0000
Start Stop Min 08:06 15:08 422
Samp 623
=====
Comments
NEAR JUNCTION OF BAT CH CONVEYOR &
INCLINE CONVEYOR
=====
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=====
Seq T Name AREA
0071 A Soc Sec
Date 03/16/1984
Shift 1ST 8 HOUR
=====
Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job AREA SAMPLE
=====
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.098000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 10" 150
=====
ST Exp Limit Respirator
Conc-F/CC 0.0980
Analysis-F/CC 0.0
LPM 0.0000
Start Stop Min 08:05 15:09 424
Samp 622
=====
Comments
MACHINE TENDER'S PAN EL-5'6" FROM FLOOR
=====
```

```
=====
Seq T Name AREA
0072 P Soc Sec 344-30-3938
Date 03/16/1984
Shift 1ST 8 HOUR
=====
Dept PRODUCTION
Locn COUPLING CUT OFF
Proc
Job OPERATOR
=====
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.150000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 150 CPLGS; 10" 3300 SEWER CPLGS
=====
ST Exp Limit Respirator
Conc-F/CC 0.1500
Analysis-F/CC 0.0
LPM 0.0000
Start Stop Min 07:59 15:03 424
Samp 621
=====
Comments
S DISPOSABLE SINGLE USE MADE 1 CHANGE-OVER
=====
```

Seq T Name	CONTRERAS, JOE L.	Dept BATCH/FORMING	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0073 P Soc Sec	555-62-0421	Locn MIXER	TWA	0.120000 F/CC		/P&CAM 239 R=A
Date	03/16/1984	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	1ST	Job OPERATOR	Product	10" 150		
Equip	Samp	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	
1.	620	07:57 14:55 418	0.0000	0.0	0.1200	Y DISPOSABLE SINGLE USE SET-UP BATCHES-OPERA TED BAG OPENER-KEPT AREA CLEAN
Seq T Name	HORTON, ALBERT N.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0074 P Soc Sec	267-86-0043	Locn PIPE MACHINE	TWA	0.088000 F/CC		/P&CAM 239 R=A
Date	03/16/1984	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	2ND	Job TENDER	Product	10" 150		
Equip	Samp	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	
1.	619	07:55 14:58 423	0.0000	0.0	0.0880	N CLEANED FILTERS
Seq T Name	HORTON, ALBERT N.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0075 P Soc Sec	267-86-0043	Locn PIPE MACHINE	TWA	0.130000 F/CC		/P&CAM 239 R=A
Date	03/15/1984	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	2ND	Job TENDER	Product	12" 150		
Equip	Samp	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	
1.	613	08:17 14:58 401	0.0000	0.0	0.1300	N OPERATED PIPE MACHIN E-CLEAN UP
Seq T Name	CONTRERAS, JOE L.	Dept BATCH/FORMING	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0076 P Soc Sec	555-62-0421	Locn MIXER	TWA	0.120000 F/CC		/P&CAM 239 R=A
Date	03/15/1984	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	1ST	Job OPERATOR	Product	12" 150		
Equip	Samp	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	
1.	612	08:18 14:56 398	0.0000	0.0	0.1200	Y DISPOSABLE SINGLE USE SET UP FIBER BATCHES ON CONVEYOR-OPERATED BAG OPENER-CLEAN UP WHSE & AREA OPERATED
Seq T Name	COOLEY, DENNIS D.	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	Respirator	Comments
0077 P Soc Sec	344-30-3938	Locn COUPLING CUT OFF	TWA	0.230000 F/CC		/P&CAM 239 R=A
Date	03/15/1984	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC		
Shift	1ST	Job OPERATOR	Product	14" 150 CPLGS; 12" 3300 SEWER CPLGS		
Equip	Samp	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	
1.	603	08:21 15:21 420	0.0000	0.0	0.2300	S DISPOSABLE SINGLE USE CUT CPLGS W/CUT OFF MACHINE STENCILED & PLACED CPLGS ON PALLET-CLEAN UP AREA-1

=====

Seq T Name	AREA	Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
0078 A Soc Sec		Locn COUPLING CUT OFF	TWA	0.032000 F/CC	
Date	03/15/1984	Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Shift	1ST	Job AREA SAMPLE	Product	14" 150; 12" SEWER	

=====

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	616	08:31	16:51	500	0.0000	0.0320/	0.0	0.0320		NO PRODUCTION DURING BREAKS: 50 MINUTES

=====

Seq T Name AREA

0079 A Soc Sec

Date 03/15/1984

Shift 1ST

8 HOUR

=====

Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
Locn BAG OPENER & MIXER	TWA	0.069000 F/CC	
Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Job AREA SAMPLE	Product	12" 150; 8" 200	

=====

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	614	08:26	16:47	501	0.0000	0.0690/	0.0	0.0690		JCT OF BATCH CONVEYOR R & INCLINE FEED ON CONVEYOR

=====

Seq T Name AREA

0080 A Soc Sec

Date 03/15/1984

Shift 1ST

8 HOUR

=====

Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
Locn PIPE MACHINE	TWA	0.120000 F/CC	
Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Job AREA SAMPLE	Product	12" 150; 8" 200	

=====

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	615	08:27	16:48	501	0.0000	0.1150/	0.0	0.1200		MACHINE TENDER'S PAN EL

=====

Seq T Name AREA

0081 A Soc Sec

Date 03/14/1984

Shift 1ST

8 HOUR

=====

Dept PRODUCTION	Contaminant	Asbestos / CEF 37mm .8u	/P&CAM 239 R=A
Locn COUPLING CUT OFF	TWA	0.046000 F/CC	
Proc	Pel/Exp Limit	OSHA PEL = 2 F/CC	
Job AREA SAMPLE	Product	14" 150	

=====

Equip	Samp	Start	Stop	Min	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	600	08:03	15:23	440	0.0000	0.0460/	0.0	0.0460		CPLG C/O OPPOSITE TH E OPERATOR POSITION NO PRODUCTION DURING BREAKS; 50 MINUTES

=====

Seq T Name AREA

0082 A Soc Sec

Date 03/14/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn BAG OPENER & MIXER
Proc
Job AREA SAMPLE

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.084000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150; 8" 200

Equip	Samp	Start	Stop	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	604	08:30	15:49	439	0.0840/	0.0	0.0840		NEXT TO BATCH CONVEY OR-BAG DROP OFF TO CROSS CONVEYOR

Seq T Name CONTRERAS, JOE L.

0083 P Soc Sec 555-62-0421

Date 03/14/1984

Shift 1ST 8 HOUR

Dept BATCH/FORMING
Locn MIXER
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 12" 150

Equip	Samp	Start	Stop	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	610	07:55	14:56	421	0.1700/	0.0	0.1700		Y DISPOSABLE SNGL USE SET-UP FIBER BATCHES ON CONVEYOR OPERATED BAG OPENER; RAN SWEEPER 15 MIN

Seq T Name COOLEY, DENNIS D.

0084 P Soc Sec 344-30-3938

Date 03/14/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn COUPLING CUT OFF
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.140000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 14" 150

Equip	Samp	Start	Stop	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	608	07:59	15:15	436	0.1350/	0.0	0.1400		S DISPOSABLE SNGL USE OPERATED CPLG CUT-OF F MACHINE KEPT WORK AREA CLEAN

Seq T Name AREA

0085 A Soc Sec

Date 03/14/1984

Shift 1ST 8 HOUR

Dept PRODUCTION
Locn PIPE MACHINE
Proc
Job OPERATOR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.110000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150

Equip	Samp	Start	Stop	LPM	Analysis-F/CC	Conc-F/CC	ST Exp Limit	Respirator	Comments
1.	607	08:15	15:50	455	0.1140/	0.0	0.1100		MACHINE TENDER'S PAN EL-APPROX 5' 6" FROM FLOOR ELEVATION

Seq T Name HORTON, ALBERT M.
0086 P Soc Sec 267-86-0043
Date 03/14/1984
Shift 2ND 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.130000 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.	605	07:53	14:55	422	0.0000	0.1250/	0.0	0.1300	N	OPERATED PIPE MACHIN E CLEANED SHOWERS

Seq T Name CONTRERAS, JOE L.
0087 P Soc Sec 555-62-0421
Date 03/13/1984
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.190000 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.	538	07:49	14:55	426	0.0000	0.1880/	0.0	0.1900	Y	DISPOSABLE SINGLE USE SETTING-UP BATCHES R UN THRU BAG OPENER; OPERATED LIFT TRUCK; OPERATED BAG OPENER

Seq T Name HORTON, ALBERT M.
0088 P Soc Sec 267-86-0043
Date 03/13/1984
Shift 2ND 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.089000 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.	527	07:48	14:57	429	0.0000	0.0890/	0.0	0.0890	N	OPERATED PIPE MACHIN E-CLEANED HIS WORK AREA-BRUSHED SHOWERS

Seq T Name COOLEY, DENNIS D.
0089 P Soc Sec 344-30-3938
Date 03/13/1984
Shift 1ST 8 HOUR

Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.210000 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.	536	08:03	15:26	443	0.0000	0.2050/	0.0	0.2100	S	DISPOSABLE SINGLE USE OPERATED CPLG CUT-OF F MACHINE-KEPT AREA CLEAN

Seq T Name AREA
0090 A Soc Sec
Date 03/13/1984
Shift 1ST 8 HOUR

Equip Samp Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator
1. 535 08:14 15:35 441 0.0000 0.1140/ 0.0 0.1100
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.110000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150
Comments
5' 6" ABOVE FLOOR LE VEL ON MACHINE
TENDER'S PANEL
=====

Seq T Name AREA
0091 A Soc Sec
Date 03/13/1984
Shift 1ST 8 HOUR

Equip Samp Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator
1. 534 08:04 15:26 442 0.0000 0.0300/ 0.0 0.0300
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.030000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150 CPLGS
Comments
5' FROM FLOOR LEVEL OPPOSITE SIDE FROM
OPERATOR'S POSITION
=====

Seq T Name AREA
0092 A Soc Sec
Date 03/13/1984
Shift 1ST 8 HOUR

Equip Samp Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator
1. 530 08:15 15:34 439 0.0000 0.0940/ 0.0 0.0940
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.094000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150; 12" 150 CPLGS
Comments
POSITIONED ON RAILIN G NEXT TO BATCH
CONVEYOR WHERE FIBER BAGS DROP TO THE
=====

Seq T Name CONTRERAS, JOE L.
0093 P Soc Sec 555-62-0421
Date 03/12/1984
Shift 1ST 8 HOUR

Equip Samp Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator
1. 529 08:09 14:50 401 0.0000 0.1100/ 0.0 0.1100
Contaminant Asbestos / CEF 37mm .8u /P&CAM 239 R=A
TWA 0.110000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product 12" 150
Comments
Y DISPOSABLE SINGLE USE SET-UP FIBER BATCHES ON CONVEYOR OPERATED
BAG OPENER-REPLENISHED FIBER STOCK AT BA
=====

Seq T Name AREA
0094 A Soc Sec
Date 03/12/1984
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	533	09:02	16:08	426	0.0000	0.1170/	0.0	0.1200		END OF BATCH CONVEYO R-BAGS DROP TO CROSS CONVEYOR

Seq T Name HORTON, ALBERT N.
0095 P Soc Sec 267-86-0043
Date 03/12/1984
Shift 2ND 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	539	08:05	14:59	414	0.0000	0.0900/	0.0	0.0900	N	TENDED PIPE MACHINE

Seq T Name AREA
0096 A Soc Sec
Date 03/12/1984
Shift 2ND 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	537	09:00	16:08	428	0.0000	0.1070/	0.0	0.1100		FILTER MOUNTED ON MA CHINE TENDER PANEL 5' FROM FLOOR LEVEL

Seq T Name COOLEY, DENNIS D.
0097 P Soc Sec 344-30-3938
Date 03/12/1984
Shift 1ST 8 HOUR

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments
1.	528	08:16	15:21	425	0.0000	0.2040/	0.0	0.2000		Y DISPOSABLE SNGLE USE CUT CPLGS; STAMPED P CS; PLACED PCS ON PALLETS; CLEAN-UP AREA

Seq T Name AREA 0098 A Soc Sec Date 02/22/1984 Shift 1ST 8 HOUR

Dept PRODUCTION
 Locn GENERAL
 Proc
 Job AREA SAMPLE

Contaminant Asbestos / CEF 37mm .8u
 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.	76	10:58	15:24	266	0.0000	0.0690/	0.0	0.0690			DURING LOADING & REM OVAL OF SOIL; WEST SECTION OF PROPERTY; PUMP LOCATED 10' NO

*** End Of Report *** DREXLESL

CTD021969

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>		DATE OF TEST <i>7/19/84</i>				
EMPLOYEE NAME <i>PIPE</i>					PAYROLL NUMBER <i>1617</i>					JOB TITLE <i>MACHINE TENSILE PANEL</i>					CODE	
PUMP MANUFACTURER <i>MSA</i>					SERIAL NUMBER <i>1617</i>					FLOW RATE (lpm) <i>2.0</i>						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>765</i>	<i>1007</i>	<i>426</i>	<i>LOCATED OPPOSITE PIPE MACHINE</i>	
			<i>5' 9" ABOVE FLOOR LEVEL</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>8150-</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>92</i> (AVERAGE)	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>flf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$
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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>765</i>	<i>18.5</i>	<i>100</i>	<i>.185</i>		<i>514</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.185 \times 140}{.0061} = 4180$	<i>257</i>	<i>12.85</i>
TOTALS							<i>257</i>	<i>12.85</i>

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. <i>.05 flcc</i>

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

CertainTeed 
Pipe and Plastic Group

Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO. 84 220 71.

PLANT															PLANT		DATE OF TEST				
RIVERSIDE															260		9/1/81				
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE	
1144										118					FAL LATHE OPER						
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)						
MS4										5185					2.0						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
761	0849	1512	FM LATHE - MACHINED 10" PVC	
			ADAPTORS. SETUP LATHE FOR 10" (20 MIN)	
			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
MACHINED 10" SWR PVC ADAPTORS		

EXHAUST CONTROL SYSTEMS		REMARKS
☒ FUNCTIONING NORMALLY	☐ NOT FUNCTIONING NORMALLY	

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

BLANK FIBER COUNT _____ FIBERS IN _____ FIELDS = _____ <i>sf</i>	MICROSCOPE MAKE & MODEL <i>B-1</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 FIBERS ÷ COUNTED = FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME ((l))	CORRECTED fff + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	fff x MIN.
761	24.5 100 .245		766	$\frac{fff}{LITERS} \times K =$.044	383	16.85
TOTALS					383	16.85

TIME WEIGHTED AVERAGE
 $\frac{\text{TOTAL } f_{\text{acc}} \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$
 . 044 f/acc

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

02-08-0009, 9/60

CTD021971

ASBESTOS MONITORING DATA SHEET

NO 84260 89

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 8/27/89
EMPLOYEE NAME CONNERANT G	PAYROLL NUMBER 123	JOB TITLE STRIPPER	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 4452	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
136	0825	1430	STRIPPED MANDRELS FROM PIPE	
			AT END OF PRIMARY CURING TUNNEL	
			2-10 MIN. BREAKS	
			1-20 " LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8" 150	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 W 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 0.061 mm²	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 f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
136	14	100	.14		730	$\frac{115}{100} \times 140 = 163$	365	9.80
TOTALS							365	9.80

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN. 027 f/cc
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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. 4260

PLANT		RIVERSIDE		PLANT	DATE OF TEST
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	CODE
LEDEURD J		235		TRAY LOADER	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA		3153		2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
115	1821	1432	LOADED PIPE INTO TRAYS AT END OF SECONDARY CURE TUNNEL	
			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
8" 150	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	WIND DIRECTION	WIND VELOCITY	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	90	4	07	☒	☐	☐	☐
				PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = _____ f/f	B-L	1.0061 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 f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
735	16	100	.16		7.42	$\frac{f/f}{LITERS} \times K = \frac{.16}{.030} \times 140 = 746$	371	11.13
TOTALS:							371	11.13

TIME WEIGHTED AVERAGE
TOTAL f/f x MIN = TWA
TOTAL MIN
1030 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
A. Mezger	A. Mezger

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

PLANT <u>RIVERSIDE</u>										PLANT <u>160</u>		DATE OF TEST <u>7/20/74</u>	
EMPLOYEE NAME <u>JOE KIEZ</u>					PAYROLL NUMBER <u>369</u>		JOB TITLE <u>MIXER OPER.</u>			CODE <u> </u>			
PUMP MANUFACTURER <u>MSA</u>					SERIAL NUMBER <u>5185</u>		FLOW RATE (lpm) <u>2.0</u>						

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
1	0817	1445	SET UP BATCHES ON CONVEYOR - OPERATED BAG OPENER USE LIFT TRUCK.	
			5-10 MIN. BREAKS	
			1-20 " LUNCH BREAK -	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <u>3M 8710</u>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <u>8" 150</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>90</u> WIND DIRECTION <u>N</u> WIND VELOCITY <u>07</u>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN <u> </u> FIELDS = <u> </u> flf	MICROSCOPE MAKE & MODEL <u>B-L</u>	FIELD AREA <u>0061</u> 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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
734	74	100	.74	-	776	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.74 \times 140}{.13} = 388$	388	50.44
TOTALS							388	50.44

TIME WEIGHTED AVERAGE	
TOTAL flf x MIN	TOTAL MIN
<u>13</u>	<u>50.44</u>
flcc	

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

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>8/12/80</i>
EMPLOYEE NAME <i>RYNTEL N</i>	PAYROLL NUMBER <i>104</i>	JOB TITLE <i>MANDRELMAN</i>	
PUMP MANUFACTURER <i>115A</i>	SERIAL NUMBER <i>1617</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>1</i>	<i>2:15</i>	<i>14:29</i>	<i>OPERATED MANDREL STN.</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 LUNCH BREAK</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>6750 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>90</i> WIND DIRECTION <i>N</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 = <i>855</i> = <i>146</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 fff + VOLUME x K = fcc	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
<i>733</i>	<i>17.0</i>	<i>100</i>	<i>.17</i>		<i>748</i>	<i>fff x K = .032</i>	<i>374</i>	<i>11.96</i>
TOTALS							<i>374</i>	<i>11.96</i>

TIME WEIGHTED AVERAGE TOTAL fcc x MIN TOTAL MIN = TWA <i>.032</i> fcc

SIGNATURE OF SAMPLER <i>L. Megarow</i>	SIGNATURE OF ANALYST <i>L. Megarow</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 <i>260</i>		DATE OF TEST <i>5/12/75</i>	
EMPLOYEE NAME <i>L. L. E. K. W.</i>					PAYROLL NUMBER <i>374</i>		JOB TITLE <i>SAW OPERATOR</i>			CODE			
PUMP MANUFACTURER <i>MISA</i>					SERIAL NUMBER <i>4452</i>		FLOW RATE (lpm) <i>2.0</i>						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>763</i>	<i>2:12</i>	<i>4:48</i>	<i>OPERATED #1 SAW - 6' x 8" INTO 1/4 LENGTHS</i>	
			<i>2 - 10 MIN BREAKS</i>	
			<i>1 - 30 " LUNCH "</i>	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☒ YES ☐ NO ☐ SOMETIMES	<i>3M 8710</i>	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<i>6' x 8" 1/4 LENGTHS</i>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	<i>89</i>	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>.0061</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 fff + VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
<i>763</i>	<i>365</i>	<i>100</i>	<i>365</i>		<i>792</i>	$\frac{fff \times K}{\text{LITERS}} = .065396$	<i>25.74</i>	
TOTALS							<i>396</i>	<i>25.74</i>

TIME WEIGHTED AVERAGE
TOTAL floc x MIN - TWA
TOTAL MIN.
<i>.065 floc</i>

SIGNATURE OF SAMPLER <i>J. Meagher</i>	SIGNATURE OF ANALYST <i>J. Meagher</i>
---	---

PLANT <i>RIVERSIDE</i>										PLANT	DATE OF TEST	
										260	8/26/74	
EMPLOYEE NAME <i>M. GREGOR</i>					PAYROLL NUMBER <i>280</i>		JOB TITLE <i>MAINT. MECH</i>			CODE		
PUMP MANUFACTURER <i>MSA</i>					SERIAL NUMBER <i>5185</i>		FLOW RATE (lpm) <i>2.0</i>					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
764	8:00	245	SERVICED BAG HOUSE	
			1- 10 MIN BREAK	
			1- 30 " LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☒ YES ☐ NO ☐ SOMETIMES	<i>3M 8710</i>	

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 <i>75</i>	WIND DIRECTION <i>W</i>	WIND VELOCITY <i>07</i>	PARTLY CLOUDY	FOG	SHOWERS
					SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>76</i> FIELDS = <i>100</i> f/f	<i>B-L</i>	<i>10061 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 x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
764	76	100	.76		570	$\frac{f/f \times K}{\text{LITERS}} = \frac{.76 \times 140}{1.86} = 57.0$	285	53.01
TOTALS								285 53.01

TIME WEIGHTED AVERAGE	
TOTAL f/f x MIN	TOTAL MIN
<i>186</i>	<i>53.01</i>

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 <u>RIVERSIDE</u>		PLANT <u>260</u>	DATE OF TEST <u>8/25/11</u>
EMPLOYEE NAME <u>PAUL LEO B</u>	PAYROLL NUMBER <u>109</u>	JOB TITLE <u>QC LAB. INSPECTOR</u>	CODE
PUMP MANUFACTURER <u>145A</u>	SERIAL NUMBER <u>5185</u>	FLOW RATE (lpm) <u>2.0</u>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<u>112</u>	<u>8:11</u>	<u>1416</u>	<u>ROUTINE DUTIES -</u>	
			<u>COLLECTED FIBER SAMPLE FROM CYCLONE</u>	
			<u>" " CEMENT "</u>	
			<u>" " CUT SAMPLE FROM SAW -</u>	
			<u>RAN TESTS ON FIBER & CEMENT</u>	
			<u>2-10 MIN. BREAKS</u>	
			<u>1-30 " LUNCH BREAK</u>	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	<u>8710 3M -</u>	

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 <u>77</u>	WIND DIRECTION <u>W</u> WIND VELOCITY <u>W</u>	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <u> </u> FIELDS = <u> </u> f/f	<u>B-L</u>	<u>10061</u> 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.
<u>762</u>	<u>14.0</u>	<u>100</u>	<u>.14</u>		<u>730</u>	$\frac{\text{f/f} \times \text{K}}{\text{LITERS}} = \frac{.14 \times 140}{1.03} = 19.05$	<u>365</u>	<u>10.95</u>
TOTALS							<u>365</u>	<u>10.95</u>

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
<u>.03</u> f/cc

SIGNATURE OF SAMPLER <u>L. Megarson</u>	SIGNATURE OF ANALYST <u>L. Megarson</u>
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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>8/14/90</i>
EMPLOYEE NAME <i>LEN FLANNISON</i>	PAYROLL NUMBER <i>1617</i>	JOB TITLE <i>#2 FLANNISON MIXER</i>	CODE
PUMP MANUFACTURER <i>MISA</i>	SERIAL NUMBER <i>1617</i>	FLOW RATE (lpm) <i>3.04</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>760</i>	<i>8/14/90</i>	<i>1501</i>	<i>MIXED & DISCHARGED</i>	
			<i>FIBER IN BATCHES TO FIBER</i>	
			<i>SCALE</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>8" 50, 6" 50 1/2</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>80</i> WIND DIRECTION <i>N</i> WIND VELOCITY <i>07</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>1.006</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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
<i>760</i>	<i>37.5</i>	<i>100</i>	<i>.375</i>	<i>-</i>	<i>647.68</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.375 \times 140}{1.006} = .51$	<i>342</i>	<i>25.65</i>
TOTALS							<i>342</i>	<i>25.65</i>

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. <i>.075</i> flcc
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SIGNATURE OF SAMPLER <i>J. Megaw</i>	SIGNATURE OF ANALYST <i>J. 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. 84-2-9

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
			36' FROM DRY FIELD JERIN	
			59' ABOVE FLOOR LEVEL	

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

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

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

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>flf</u>	<u>B-L</u>	<u>0061</u> 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.
766	53	100	.53		504	$\frac{\text{flf}}{\text{LITERS}} \times K = 1147$	252	37.04
TOTALS							252	37.04

TIME WEIGHTED AVERAGE	
TOTAL flcc x MIN. = TWA	
TOTAL MIN.	
<u>1147</u> 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-TEMPORARY PLANT COPY

PLANT		PLANT	DATE OF TEST
<u>W. H. HART, JR.</u>		<u>1</u>	<u>8</u> / <u>1</u> / <u>81</u>
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
<u>W. H. HART, JR.</u>	<u>1017</u>	<u>W. H. HART, JR.</u>	<u>1</u>
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
<u>1124</u>	<u>1017</u>	<u>2.0</u>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<u>728A</u>	<u>5</u>	<u>51</u> <u>35</u>	<u>STARTED - 10' DIA. CRUSHER PIPE</u>	
			<u>CLEANED AREA</u>	
			<u>1 - 10' DIA. CRUSHER</u>	
			<u>ENDED SAMPLING PERIOD - 10' DIA. CRUSHER</u>	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	<u>3M 8710</u>	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<u>CRUSHER, MISC. PIPE; CLEANED THE AREA</u>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	<u>82</u>	☒ PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <u>100</u> FIELDS = <u>340</u> f/f	<u>BTL</u>	<u>.0061</u> mm ²	$K = \frac{855}{\text{FIELD AREA} \times 1000} = \frac{855}{.0061 \times 1000} = 140$

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.
<u>728A</u>	<u>38.5</u>	<u>100</u>	<u>.385</u>		<u>340</u>	$\frac{\text{f/f} \times K}{\text{LITERS}} = \frac{.385 \times 140}{.0061} = 87.5$	<u>170</u>	<u>25.5</u>
TOTALS							<u>170</u>	<u>25.5</u>

TIME WEIGHTED AVERAGE
$\frac{\text{TOTAL f/cc} \times \text{MIN}}{\text{TOTAL MIN.}} = \text{TWA}$
<u>.15</u> f/cc

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

ASBESTOS MONITORING DATA SHEET

NO. 84-260-15

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				240	8/22/95
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
SAMPLING CUT OFF				AREA - CPLC CUT-OFF	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MISA		2899		2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
132	0900	1537		
			PRODUCTION STOPPED DURING OPERATORS BREAKS: 50 MINUTES	

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	84	WIND DIRECTION	W	WIND VELOCITY	09
		PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>flf</u>	B-L	1.0061 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.
732	66.0	100	.66	-	788	$\frac{\text{flf} \times K}{\text{LITERS}} = 1117$	394	46.09
TOTALS							394	46.09

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
1117 flcc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>T. Mearns</i>	<i>T. Mearns</i>

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>3/10/11</i>
EMPLOYEE NAME <i>L. MUNSON</i>	PAYROLL NUMBER <i>AREA</i>	JOB TITLE <i>AIRFA - MIXER</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>1617</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>731</i>	<i>147</i>	<i>535</i>	<i>TOP OF STAIRWAY TO MIXING SYSTEM - MOUNTED ON RAILING 39" FROM FLOOR + 30" FROM STAIRWAY LANDING, 80" FROM #2 MUNSON DISCHARGE</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>14" 50; 14" 50 c/s</i>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS <i>SEE SAMPLE 730 SIMULTANEOUS MONITORING: 2 PUMPS, SAME CALIBRATION, SAME LOCATION & TIME</i>
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F <i>87</i> WIND DIRECTION <i>W</i> WIND VELOCITY <i>7</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>576</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$
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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>731</i>	<i>32.5</i>	<i>100</i>	<i>.325</i>	<i>-</i>	<i>576</i>	$\frac{\text{f/f} \times K}{\text{LITERS}} = \frac{.325 \times 140}{.0061} = 7489$	<i>288</i>	<i>0789</i>
TOTALS							<i>288</i>	<i>0789</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN.	<i>0789</i> f/cc
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SIGNATURE OF SAMPLER <i>L. Meza</i>	SIGNATURE OF ANALYST <i>L. Meza</i>
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PLANT										PLANT		DATE OF TEST	
<i>RIVERSIDE</i>										<i>260</i>		<i>8/21/</i>	
EMPLOYEE NAME										PAYROLL NUMBER		JOB TITLE	
<i>2. HUNSON AREA</i>												<i>AREA - MIXING</i>	
PUMP MANUFACTURER										SERIAL NUMBER		FLOW RATE (lpm)	
<i>USA</i>										<i>2899</i>		<i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>730</i>	<i>1047</i>	<i>1535</i>	<i>TOP OF STAIRWAY TO MIXING SYSTEM - MONITORING</i>	
			<i>39" ABOVE FLOOR, 30" FROM STAIRWAY ON RAILING/NORTH - APPROX. 30" FROM #2 HUNSON DISCHARGE END.</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
<i>14" ISO + 14" ISO 4/5</i>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	<i>SEE SAMPLE 731</i> <i>SIMULTANEOUS MONITORING: 2 PUMPS, SAME CALIBRATION, SAME LOCATION, SAME TIME</i>

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

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <i>515</i>	<i>B-L</i>	<i>.0061</i> 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.
<i>730</i>	<i>33.5</i>	<i>100</i>	<i>.335</i>	<i>-</i>	<i>576</i>	$\frac{f/f \times K}{\text{LITERS}} = .08$	<i>288</i>	<i>23.04</i>
TOTALS							<i>288</i>	<i>23.04</i>

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN = TWA
TOTAL MIN.
<i>.08</i> 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										PLANT		DATE OF TEST	
RIVERSIDE										260		6/29/75	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
CAREY, D. M.					126			PC LINE INSPECTION					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
NISA					0406			2.0					

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
1	12:25	5:06	QC INSPECTION ROUTINE - LINE 2 + 1/4 LATER	
			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
12" 150; 6" 50 1/4 MEO	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	WIND DIRECTION	WIND VELOCITY	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	85	N	15	☒	☐	☐	☐
				PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>flf</u>	B-L	1,006 L 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.
						LITERS			
729	27.5	100	.275	—	882	flf x K =	.044	441	19.40
TOTALS								441	19.40

TIME WEIGHTED AVERAGE	
TOTAL flcc x MIN	TWA
1044	flcc

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

Pipe and Plastic Group

NO. 84-260-74

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

ASBESTOS MONITORING DATA SHEET

NO. 84.260 13

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 6/29/1
EMPLOYEE NAME CANDERS O	PAYROLL NUMBER 107	JOB TITLE TRUCK OPERATOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3155	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
127	0831	1515	OPERATED LIFT TRUCK IN ROUND-TOP-WALL OPERATIONS	
			(WET-TESTER, FITTINGS, EM LATH, CPLG CUT-OFF,	
			3 BORING MILLS)	
			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
MISCELLANEOUS	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F 85	WIND DIRECTION W	WIND VELOCITY 15 PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

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

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED flf ÷ VOLUME × K = flcc	TOTAL SAMPLE TIME (MIN)	flcc × MIN.
127	135	100	.135		888	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{135 \times 140}{.0061} = 31100$	444	7.32
TOTALS							444	9.32

TIME WEIGHTED AVERAGE
TOTAL flcc × MIN. = TWA
TOTAL MIN.
021 flcc

SIGNATURE OF SAMPLER <i>L. Majors</i>	SIGNATURE OF ANALYST <i>L. Majors</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 6/27/11	
EMPLOYEE NAME JESKE					PAYROLL NUMBER 247		JOB TITLE MECHANIC			CODE		
PUMP MANUFACTURER MSA					SERIAL NUMBER 3157			FLOW RATE (lpm) 2.0				

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
726	8:29:43	REGULAR MAINT. IN FINISHING DEPT.	
		WENT HOME ILL AT 2:31 P.M.	
		2-10 MIN. BREAKS	
		1-30 Y LUNCH BREAK	

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 85 (AVERAGE)	WIND DIRECTION W	WIND VELOCITY 15	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 0.0061 mm²	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 f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
726	16.5	100	.165	-	724	$\frac{f/f}{LITERS} \times K = .032$	362	11.58
TOTALS						362	11.58	

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

SIGNATURE OF SAMPLER <i>L. Meigs</i>	SIGNATURE OF ANALYST <i>L. Meigs</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 <i>260</i>	DATE OF TEST <i>6/24/11</i>	
EMPLOYEE NAME <i>ALUMERA G</i>					PAYROLL NUMBER <i>660</i>		JOB TITLE <i>LATHIE OPER</i>			CODE		
PUMP MANUFACTURER <i>AISA</i>					SERIAL NUMBER <i>5185</i>			FLOW RATE (lpm) <i>2.0</i>				

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
<i>125</i>	<i>8:20</i>	<i>8:50</i>	<i>OPERATED 1/4 LENGTH LINE</i>	
			<i>WENT TO BANK - PUMP TURNED OFF 30 MIN.</i>	
			<i>2-10 MIN. BREAK</i>	
			<i>1-30 ✓ LUNCH ✓</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 1/4 MED</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>85</i> WIND DIRECTION <i>N</i> WIND VELOCITY <i>15</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>0061</i> mm ²	CONSTANT K = <i>855</i> = <i>140</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 fff + VOLUME x K = fcc	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
<i>125</i>	<i>340</i>	<i>100</i>	<i>.34</i>	<i>-</i>	<i>750</i>	<i>fff x K = .063</i>	<i>375</i>	<i>27.79</i>
TOTALS							<i>375</i>	<i>27.79</i>

TIME WEIGHTED AVERAGE TOTAL fcc x MIN = TWA TOTAL MIN.
<i>.063 fcc</i>

SIGNATURE OF SAMPLER <i>A. Mezger</i>	SIGNATURE OF ANALYST <i>A. Mezger</i>
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PLANT		PLANT	DATE OF TEST
RIVERSIDE		260	6/27/84
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
AMERY A	350	PIPE HANDLER	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
MSA	445V	2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	STOP		
144	8:20	4:51	PIPE HANDLER - LINE 2	
			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
12150	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	72	WIND DIRECTION	W	WIND VELOCITY	10
		PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>slf</u>	3-1	.006 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 slf - VOLUME x K = slcc	TOTAL SAMPLE TIME (MIN)	slcc x MIN.
724	50.0	100	.50	—	782	$\frac{\text{slf} \times K}{\text{LITERS}} = .09$	391	34.99
TOTALS							391	34.99

TIME WEIGHTED AVERAGE
TOTAL slcc x MIN. = TWA
TOTAL MIN.
.09 slcc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
L. Mezger	L. Mezger

ASBESTOS MONITORING DATA SHEET

NO. 84-260-27

PLANT IVERSIDE		PLANT	DATE OF TEST 6/27/82
EMPLOYEE NAME YVENS N	PAYROLL NUMBER 289	JOB TITLE WFT-TESTER	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3153	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
723	7:16	1:43	OPERATED WET. TESTER -	
			TESTED CPLGS; PALLETIZED CPLGS.	
			2-10 MIN. BREAKS	
			1-30 ✓ LUNCH BRK.	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 6150 CPLGS	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 82 (AVERAGE)	WIND DIRECTION N	WIND VELOCITY 10	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 mm²	CONSTANT $K = \frac{856}{\text{FIELD AREA} \times 1000} = 140$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
723	49.5	100	1.495	—	764	$\frac{f/f \times K}{\text{LITERS}} = \frac{1.495 \times 140}{1.0061} = 207.0$	382	34.69
TOTALS							382	34.69

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 1090 f/cc
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SIGNATURE OF SAMPLER <i>T. Magar</i>	SIGNATURE OF ANALYST <i>T. Magar</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. 84-260-28

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>	DATE OF TEST <i>6/27/88</i>	
EMPLOYEE NAME <i>JOHN D</i>					PAYROLL NUMBER <i>212</i>		JOB TITLE <i>WET TESTER</i>			CODE		
PUMP MANUFACTURER <i>MISA</i>					SERIAL NUMBER <i>0406</i>		FLOW RATE (lpm) <i>2.0</i>					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>122</i>	<i>0828</i>	<i>1450</i>	<i>OPERATED WET TESTER - TESTED</i>	
			<i>6150 CPLGS; PALLETIZED TESTED CYLES</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>6150 CPLGS -</i>	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	WIND DIRECTION	WIND VELOCITY	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	<i>82</i>	<i>W</i>	<i>10</i>	☒	☐	☐	☐
				PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>1</i> FIELD = <i>115</i>	<i>B-L</i>	<i>1.006</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.
<i>122</i>	<i>35.5</i>	<i>100</i>	<i>.355</i>		<i>764</i>	$\frac{f/f \times K}{\text{LITERS}} = \frac{.355 \times 140}{1.006} = 49.5$	<i>382</i>	<i>24.85</i>
TOTALS							<i>382</i>	<i>24.85</i>

TIME WEIGHTED AVERAGE
$\frac{\text{TOTAL f/cc} \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$
<i>.065</i> f/cc

SIGNATURE OF SAMPLER <i>L. Magarini</i>	SIGNATURE OF ANALYST <i>L. Magarini</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. 84-240-67

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>6/27</i>
EMPLOYEE NAME <i>RYAN B</i>	PAYROLL NUMBER <i>358</i>	JOB TITLE <i>SAW OPERATOR</i>	CODE
PUMP MANUFACTURER <i>USA</i>	SERIAL NUMBER <i>5185</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>721</i>	<i>0824</i>	<i>1451</i>	<i>WORKED #1 & #2 REWORK SAWS</i>	
			<i>MISCELLANEOUS SIZES & CLASSES</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-30 MIN LUNCH</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>MISCELLANEOUS</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>82</i> WIND DIRECTION <i>W</i> WIND VELOCITY <i>10</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>.0061 mm²</i>	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	TOTAL SAMPLE TIME (MIN)	floc x MIN.
<i>721</i>	<i>530</i>	<i>100</i>	<i>.53</i>	<i>-</i>	<i>174</i>	<i>.097</i>	<i>387</i>	<i>37.54</i>
TOTALS							<i>387</i>	<i>37.54</i>

TIME WEIGHTED AVERAGE TOTAL floc x MIN = TWA TOTAL MIN. <i>.097</i> floc

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



NO. 84.260.46

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

ASBESTOS MONITORING DATA SHEET

PLANT															PLANT		DATE OF TEST				
RIVERSIDE															20	1	1	1	1		
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE	
F										124					STRIPPER						
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)						
USA										3153					2.0						

SAMPLE NUMBER		TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
START					
1111	11/25/88			STRIPPEN - PULLS MAINDRECS FROM	
				PIPE - ROLLS PIPE TO 2ND CURE TUNNEL	
				2-10 MIN. BREAKS	
				1-20 ✓ 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		WIND DIRECTION		WIND VELOCITY		PARTLY CLOUDY	☐	FOG	☐	SHOWERS	☐	SNOW	☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>515</u>	<u>B-L</u>	<u>1.0061</u> mm ²	K = <u>856</u> = <u>100</u> FIELD AREA × 1000

[illegible]

TIME WEIGHTED AVERAGE	
$\frac{\text{TOTAL } f/\alpha \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$	
.027	f/α

SIGNATURE OF SAMPLER <i>L. Mezger</i>	SIGNATURE OF ANALYST <i>L. Mezger</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 <i>000</i>		DATE OF TEST <i>6/24/</i>	
EMPLOYEE NAME <i>VILLALBA PANDP A</i>					PAYROLL NUMBER <i>351</i>		JOB TITLE <i>TRAY LOADER</i>			CODE			
PUMP MANUFACTURER <i>MISA</i>					SERIAL NUMBER <i>4452</i>		FLOW RATE (lpm) <i>2.0</i>						

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>718</i>	<i>0830</i>	<i>1430</i>	<i>TRAY LOADER - HANKS</i>	
			<i>LOADS PIPE INTO TRAYS FROM ZINC PIPE TUNNEL.</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 V LUNCH V</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>8" 150</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>82</i> WIND DIRECTION <i>N</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>B-L</i>	FIELD AREA <i>0061</i> mm ²	CONSTANT K = <i>855</i> = <i>14.72</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>718</i>	<i>21.0</i>	<i>100</i>	<i>.21</i>	<i>—</i>	<i>720</i>	<i>flf x K = .041 LITERS</i>	<i>360</i>	<i>14.72</i>
TOTALS						<i>360</i>	<i>14.72</i>	

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. <i>.041</i> flcc
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SIGNATURE OF SAMPLER <i>L. Megargue</i>	SIGNATURE OF ANALYST <i>L. Megargue</i>
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DISTRIBUTION: WHITE-PLANT SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PINK-PLANT PERSONNEL FILE/GOLDENROD-TEMPORARY PLANT COPY

PLANT <i>RIVERVIEW</i>		PLANT <i>260</i>	DATE OF TEST <i>6/26/97</i>
EMPLOYEE NAME <i>1444 E</i>	PAYROLL NUMBER <i>194</i>	JOB TITLE <i>TRAY/LOADER/TRUCK OPER</i>	CODE
PUMP MANUFACTURER <i>AISA</i>	SERIAL NUMBER <i>5185</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>1</i>	<i>7</i>	<i>32</i>	<i>WORKED IN TRAYLOADING - PLACING PIPE</i>	
			<i>FROM CURE TUNNEL INTO TRAYS. TRUCKED</i>	
			<i>FULL TRAYS TO AUTOCLAVE CARS - LOADED</i>	
			<i>AUTOCLAVES = PULLED CARS FROM AUTOCLAVES</i>	
			<i>2-10 MIN. BREAKS; 1-20 MINUTE LUNCH BREAK</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>8" 150"</i>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) <i>82</i> WIND DIRECTION <i>W</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>1</i> FIELDS = <i>18</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = 140$
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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>717</i>	<i>18.0</i>	<i>100</i>	<i>.18</i>	<i>—</i>	<i>760</i>	$\frac{f/f \times K}{\text{LITERS}} = .033$	<i>380</i>	<i>12.61</i>
TOTALS							<i>380</i>	<i>12.61</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN. <i>.033 f/cc</i>

SIGNATURE OF SAMPLER <i>T. Magnus</i>	SIGNATURE OF ANALYST <i>T. Magnus</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		260	5/1/1
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
CASAS J	263	PRESS OPER.	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
MSA	3155	2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
	0818	1317	OPERATED PRESS SECTION OF PIPE MACHINE	
			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
16-150; 21" + 24" CPLGS	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	79	☒	☐	☐	☐
WIND DIRECTION		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 = $\frac{855}{\text{FIELD AREA} \times 1000} = 141$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED fff + VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
11	100	11			598	$\frac{fff \times K}{\text{LITERS}} = \frac{11 \times 141}{598} = 2.59$	299	7.475
TOTALS							299	7.475

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

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

ASBESTOS MONITORING DATA SHEET

PLANT															PLANT		DATE OF TEST				
RIVERSIDE															260		5/11/11				
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE	
LAWSON F										122					RELIEF OPERATOR						
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)						
MISA										3153					2.0						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
	0821	1319	RELIEVES OTHER OPERATOR DURING THEIR BREAK PERIODS - + CLEANING CYLINDER WASHING, ETC	
			2-10 MIN. BREAKS	
			1-30 ✓ LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)		CODE
16150 + 21"; 24" cplcs		

EXHAUST CONTROL SYSTEMS		REMARKS
☒ FUNCTIONING NORMALLY	☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS		(AVERAGE)						
OUTSIDE TEMPERATURE °F	79	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 <u>B-L</u>	FIELD AREA <u>0.061</u> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = \underline{140}$
--	---------------------------------------	--	---

[illegible]

TIME WEIGHTED AVERAGE
 $\frac{\text{TOTAL } f/\text{CY} \times \text{MIN.}}{\text{TOTAL MIN}} = \text{TWA}$
 043 f/c

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

12-01-0001 7/20

CTD021999

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>	DATE OF TEST <i>5/11/11</i>		
EMPLOYEE NAME <i>JEFF D</i>										PAYROLL NUMBER <i>259</i>		JOB TITLE <i>MANDREL MAN</i>	CODE
PUMP MANUFACTURER <i>ASA</i>										SERIAL NUMBER <i>1617</i>		FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>0815</i>	<i>1315</i>	<i>NORMAL FUNCTIONS AS MANDREL HANDLER AT PIPE MACHINE -</i>	
			<i>2 - 10 MINUTE BREAKS</i>	
			<i>1 - 20 V LUNCH</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 21" + 24" cpl-65</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>79</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 _____ FIELDS = <i>flf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = <i>855</i> = <i>140</i> 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.
	<i>13.5</i>	<i>100</i>	<i>.135</i>		<i>600</i>	<i>flf x K = .031 LITERS</i>	<i>300</i>	<i>9.3</i>
TOTALS							<i>300</i>	<i>9.3</i>

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. <i>.031 flcc</i>
--

SIGNATURE OF SAMPLER <i>P. Maguire</i>	SIGNATURE OF ANALYST <i>P. Maguire</i>
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PLANT		PLANT		DATE OF TEST	
RIVERSIDE		260		5/11/11	
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
RICHARDSON J		187		MAXFIELDMAN	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
ASA		4452		2-0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	0830	1316	SET UP BATCHES (FIBER) ON CONVEYOR	
			OPERATED BAG OPENER; OPERATED SWEEP 15 MIN.	
			5-10 MIN. BREAKS	
			1-20 V LUNCH BREAK.	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☒ YES ☐ NO ☐ SOMETIMES	3M 8710	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
16150 - 21" x 24" couplings	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	WIND DIRECTION	WIND VELOCITY	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	79			☒	☐	☐	☐
				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 = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$

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.
	21.5	100	215		572	$\frac{f/f \times K}{\text{LITERS}} = .052$	286	1487
TOTALS							286	1487

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>T. Meyer</i>	<i>T. Meyer</i>

ASBESTOS MONITORING DATA SHEET

NO. 2460 24

PLANT										PLANT		DATE OF TEST	
RIVERSIDE										260		5/4/1	
EMPLOYEE NAME					PAYROLL NUMBER					JOB TITLE		CODE	
REVERO E					144					RELIEF OPER			
PUMP MANUFACTURER					SERIAL NUMBER					FLOW RATE (lpm)			
MSA					3155					2.0			

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	0809	1459	RELIEF OPERATOR; RAN SHOT BLAST 12	
			20 MIN.	
			2-10 MIN. BREAKS	
			1-20 ✓ LUNCH ✓	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
18" STORM DRAIN; 18" SEWER	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

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

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 x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
	32	100	.32		820	$\frac{fff}{\text{LITERS}} \times K = 0.54$	410	2239
TOTALS							410	2239

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. Megariser	T. Megariser

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

ASBESTOS MONITORING DATA SHEET

PLANT															PLANT		DATE OF TEST				
RIVERSIDE															260		5/1/74				
EMPLOYEE NAME										PAYROLL NUMBER					JOB TITLE					CODE	
ALVIN D										114					TRUCK OPER - LINE						
PUMP MANUFACTURER										SERIAL NUMBER					FLOW RATE (lpm)						
MSA										4452					2.0						

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
	0831	505	TRANSPORTED + STACKED PIPE FROM	
			FINISHING TO STG. YARD.	
			2 - 10 MIN. BREAKS	
			1 - 30 ✓ LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)		CODE
6150		

EXHAUST CONTROL SYSTEMS		REMARKS
☒ FUNCTIONING NORMALLY	☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS		(AVERAGE)				SUNNY	☒	CLOUDY	☐	HUMID	☐	RAIN	☐
OUTSIDE TEMPERATURE °F	85	WIND DIRECTION	N	WIND VELOCITY	10	PARTLY CLOUDY	☐	FOG	☐	SHOWERS	☐	SNOW	☐

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

[illegible]

TIME WEIGHTED AVERAGE	
$\frac{\text{TOTAL } f_{\text{acc}} \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$	
1.024	f _{acc}

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 <i>RIVERSIDE</i>										PLANT <i>260</i>		DATE OF TEST <i>5/4/94</i>		
EMPLOYEE NAME <i>ATENCIO S</i>										PAYROLL NUMBER <i>180</i>		JOB TITLE <i>FITTINGS GLUER</i>		CODE
PUMP MANUFACTURER <i>USA</i>										SERIAL NUMBER <i>5185</i>		FLOW RATE (lpm) <i>2.0</i>		

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>0813</i>	<i>1507</i>	<i>GLUING (EPOXY) MISCELLANEOUS</i>	
			<i>FITTINGS</i>	
			<i>2-10 MIN BREAKS</i>	
			<i>1-30 ✓ LUNCH BREAK</i>	

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 <i>85</i>	WIND DIRECTION	WIND VELOCITY	PARTLY CLOUDY	FOG	SHOWERS
					SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>115</i> FIELDS = <i>115</i>	<i>B-L</i>	<i>.0061</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.
	<i>195</i>	<i>100</i>	<i>.195</i>		<i>828</i>	$\frac{f/f \times K}{\text{LITERS}} = \frac{.195 \times 140}{.0061} = 433$	<i>414</i>	<i>13.65</i>
TOTALS							<i>414</i>	<i>13.65</i>

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN = TWA
TOTAL MIN.
<i>033</i> f/cc

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

PLANT <u>RIVERSIDE</u>		PLANT <u>260</u>	DATE OF TEST <u>5/4/91</u>
EMPLOYEE NAME <u>JAMES N</u>	PAYROLL NUMBER <u>161</u>	JOB TITLE <u>BORING MILL OPERATOR</u>	CODE
PUMP MANUFACTURER <u>MSA</u>	SERIAL NUMBER <u>1617</u>	FLOW RATE (lpm) <u>2.0</u>	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<u>0730</u>	<u>1230</u>	
		<u>OPERATED 30" BORING MILL & 42" BORING</u>	
		<u>MILL - EQUAL TRIPS: 2HRS/30"; 2HRS/42"</u>	
		<u>1 - 10 MINUTE BREAK</u>	
		<u>1 - 30 " LUNCH BREAK</u>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS <u>LEFT WORK 12:30 P.M.: DR APPT.</u>
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <u>8" ISO CPLGS; 14" 200 CPLGS</u>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) <u>85</u> WIND DIRECTION <u>SE</u> WIND VELOCITY <u>SE</u> SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ OUTSIDE TEMPERATURE °F PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐	
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <u>fff</u>	MICROSCOPE MAKE & MODEL <u>B-L</u>	FIELD AREA <u>0061</u> mm ²	CONSTANT K = <u>856</u> = <u>14</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 fff + VOLUME x K = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
	185	100	.185		480	fff x K =	240	12.96
	<u>185</u>	<u>100</u>	<u>.185</u>		<u>480</u>	<u>.054</u>	<u>240</u>	<u>12.96</u>
TOTALS							<u>240</u>	<u>12.96</u>

TIME WEIGHTED AVERAGE TOTAL floc x MIN = TWA TOTAL MIN. <u>.054 floc</u>

SIGNATURE OF SAMPLER <u>T. Meagan</u>	SIGNATURE OF ANALYST <u>T. Meagan</u>
--	--



NO. 84 260. 20

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PLANT RIVERSIDE		PLANT 260	DATE OF TEST 5/31/11
EMPLOYEE NAME J. H. N.	PAYROLL NUMBER 333	JOB TITLE PROCESS OPER.	CODE
PUMP MANUFACTURER WIS	SERIAL NUMBER 7153	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
	0430	1455	OPERATES PUMP / J. H. N. MACHINE	
			2-10 MIN BREAKS	
			1-20 MIN LUNCH	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 14-200; 16150	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 85 WIND DIRECTION SE WIND VELOCITY 10	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = flf	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 10061 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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
	23.5	100	.235		770	$\frac{\text{flf} \times K}{\text{LITERS}} = 1042$	385	16.47
TOTALS							385	16.47

TIME WEIGHTED AVERAGE $\frac{\text{TOTAL flcc} \times \text{MIN}}{\text{TOTAL MIN.}} = \text{TWA}$ 1042 flcc

SIGNATURE OF SAMPLER J. Maguire	SIGNATURE OF ANALYST J. Maguire
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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. 84260-18

PLANT										PLANT		DATE OF TEST	
RIVERSIDE										260		57 31	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
STEWART R					288			1440RTESTER					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
MSA					1617			I. O					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	1902	1507	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
PIPE	

EXHAUST CONTROL SYSTEMS	REMARKS
☐ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

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

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>51</u>	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = 14.8$

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.
X 21	100	21			850	$\frac{f/f \times K}{\text{LITERS}} = \frac{.035}{1}$	425	14.86
TOTALS							425	14.86

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
L. Megargue	J. Megargue

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

PLANT		PLANT	DATE OF TEST
RIVERSIDE		260	5/1/80
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
LOCKSE	307	LATHE ASST + TRUCK OPER	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
MSA	5185	2.0	

SAMPLE NUMBER	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
0300	1505	TRUCKED PIPE FROM W. YARD TO #1 LATH	
		ASSISTED L.O.	
		2 - 10 MIN. BREAKS	
		1 - 30 v LUNCH v	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	85	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = _____ f/f	B-V	10061 mm ²	K = $\frac{856}{\text{FIELD AREA} \times 1000} = 14$

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.
22	100	122			850	$\frac{\text{f/f} \times K}{\text{LITERS}} = 1036$	425	15.3
TOTALS								425 15.3

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
1036 f/cc

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
T. Magnuson	T. Magnuson

ASBESTOS MONITORING DATA SHEET

NO. 84-260 16

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>		DATE OF TEST <i>5/31</i>	
EMPLOYEE NAME <i>EVANS G</i>					PAYROLL NUMBER <i>282</i>			JOB TITLE <i>LATHE OPER.</i>			CODE		
PUMP MANUFACTURER <i>MISA</i>					SERIAL NUMBER <i>4452</i>			FLOW RATE (lpm) <i>2.0</i>					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>0804</i>	<i>1507</i>	<i>OPERATED #1 LATHE</i>	
			<i>2 - 10 MIN. BREAKS</i>	
			<i>1 - 30 MIN. LUNCH</i>	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	<i>3M 8710</i>	

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	<i>85</i>	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>.0061</i> mm ²	K = <i>855</i> = <i>1.4</i> 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 = floc	TOTAL SAMPLE TIME (MIN)	floc x MIN.
	<i>23.5</i>	<i>100</i>	<i>.235</i>		<i>842</i>	<i>fff x K =</i> <i>LITERS</i> <i>0.39</i>	<i>421</i>	
TOTALS							<i>421</i>	

TIME WEIGHTED AVERAGE
TOTAL floc x MIN = TWA
TOTAL MIN.
<i>0.39 floc</i>

SIGNATURE OF SAMPLER <i>T. Meza</i>	SIGNATURE OF ANALYST <i>T. Meza</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										260		5/31/85	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
DOUGLAS J					323			1/4 LINE OPER					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
MSA					2155			2.0					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	0804	1508	OPERATED 1/4 LINE	
			1 CHANGE-OVER	
			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
8150 1/4 MED; 10" 150 MED	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

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

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 315	12-L	10061 mm ²	K = 855 / (FIELD AREA x 1000) = 1.41

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.
	315	100	.315		848	f/f x K = 0.52 LITERS	424	22.07
TOTALS							424	22.07

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
L. Mezger	L. Mezger

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

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				260	4/30/87
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
AREA - #2 MUNSON				#2 MUNSON MIXER	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA		1617		2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
445-108154241			POSITIONED TOP OF STAIRWAY ON RAILING OPPOSITE #2 MUNSON	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
6" 50	

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	07
		PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>53</u> f/f	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 f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
445-1	53	100	.53	-	532	$\frac{f/f \times K}{\text{LITERS}} = \frac{.53 \times 140}{.0061} = 1219$	264	37.09
TOTALS								266 37.09

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. - TWA
1219 f/cc

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

AWT - 2.5 MIN

11	1	1
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10.78

TOTALS

SIGNATURE OF ANALYST

CORP. HEALTH & SAFETY
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CTD022013

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/30/84
EMPLOYEE NAME DEBBY P	PAYROLL NUMBER 2915	JOB TITLE BORING MILL OPERATOR	CODE 12
PUMP MANUFACTURER MSA	SERIAL NUMBER 4452	FLOW RATE (lpm) 2.00	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
444-1			OPERATED #2 BORING MILL	
444-2			2-10 MIN. BREAKS	
			1-30 V LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8150 45	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 82 WIND DIRECTION 4 WIND VELOCITY 07	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS 315	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0061 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 f/f + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
444-1	340	100	.34	-	560	$\frac{f/f}{LITERS} \times K = .085$	280	23.8
444-2	30	100	.30		282	$\frac{f/f}{LITERS} \times K = .149$	141	21.0
TOTALS							421	44.8

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 406 f/cc

SIGNATURE OF SAMPLER DAVID J. ...	SIGNATURE OF ANALYST T. ...
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PLANT <i>DIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>4/30/84</i>
EMPLOYEE NAME <i>E L L</i>	PAYROLL NUMBER <i>118</i>	JOB TITLE <i>FM LATHE OPERATOR</i>	CODE
PUMP MANUFACTURER <i>NISA</i>	SERIAL NUMBER <i>4452</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>0811</i>	<i>1517</i>	<i>OPERATED FM LATHE -</i>	
			<i>PUTTING MACHINE TO LENGTHS</i>	
			<i>MADE UP UNITS 1/2 LENGTHS FOR ETC.</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-30 ✓ LUNCH BREAK</i>	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>14150 1/2 LENGTHS FM</i>	CODE
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EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐
OUTSIDE TEMPERATURE °F <i>82</i>	WIND DIRECTION <i>W</i>	WIND VELOCITY <i>07</i> PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>15</i> FIELDS = <i>sf</i>	<i>B-L</i>	<i>0061</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 sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
	<i>21.5</i>	<i>100</i>	<i>.215</i>		<i>852</i>	$\frac{sf}{LITERS} \times K =$ <i>035</i>	<i>426</i>	<i>15.06</i>
TOTALS								<i>426</i> <i>15.06</i>

TIME WEIGHTED AVERAGE
TOTAL sfcc x MIN. = TWA
TOTAL MIN.
<i>035</i> sfcc

SIGNATURE OF SAMPLER <i>T. Mezger</i>	SIGNATURE OF ANALYST <i>T. Mezger</i>
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PLANT RIVERSIDE		PLANT	DATE OF TEST 260 4/27/84	
EMPLOYEE NAME MORALESD	PAYROLL NUMBER 105	JOB TITLE MACH. TENDER		CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3155	FLOW RATE (lpm) 2.0		

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
443	08051045	OPERATED PIPE MACHINE	
		2-10 MIN. BREAKS	
		1-20 V LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 6150	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 82 WIND DIRECTION W WIND VELOCITY 07 SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐	C
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0061 mm ²	CONSTANT K = 855 = 140 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 + VOLUME x K = fcc	TOTAL SAMPLE TIME (MIN)	fcc x MIN.
443	35.5	100	1355	—	480	fff x K = 103 LITERS	240	24.72
TOTALS							240	24.72

TIME WEIGHTED AVERAGE	
TOTAL fcc x MIN. = TWA	TOTAL MIN.
103	140

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

[illegible]

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ASBESTOS MONITORING DATA SHEET

NO. 84260-77

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/27/84
EMPLOYEE NAME MORALES D	PAYROLL NUMBER 103	JOB TITLE MACH. TENDER	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3155	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
440-1			OPERATED PIPE MACHINE	
440-2			2-10 MIN. BREAKS	
			1-20 ✓ LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8" 150; 6" 200; 6" 200 Ys	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 87 WIND DIRECTION SE WIND VELOCITY 10	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 10061 mm ²	CONSTANT K = 855 = 140 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.
440-1	22	100	.22	—	400	$\frac{f/f \times K}{LITERS} = \frac{.22 \times 855}{.400} = .077$	200	15.4
440-2	14	60	.23	—	400	$\frac{.23 \times 855}{.400} = .084$	200	16.4
TOTALS							400	31.8

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

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: INTO PLANT FILE / FILE / CANARY COPY / HEALTH SAFETY / PLANT PERSONNELS FILE / CODED ROOM - EXPOSURE PLANT 1021

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PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>A/26/14</i>
EMPLOYEE NAME <i>CLAUSON</i>	PAYROLL NUMBER <i>334</i>	JOB TITLE <i>SAW OPERATOR</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>3155</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>0758</i>	<i>1456</i>	<i>OPERATED #1 SAW -</i>	
			<i>UNITIZED 1/4 + 1/2 LENGTHS</i>	
			<i>2 - 10 MIN. BREAKS</i>	
			<i>1 - 30 MIN. LUNCH</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>6", 8", 14" 1/4 LGTHS + 1/2 LENGTHS</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>78</i> WIND DIRECTION <i>N</i> WIND VELOCITY <i>10</i>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>sf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>0061 mm²</i>	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 sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
	<i>49</i>	<i>100</i>	<i>.49</i>		<i>836</i>	$\frac{sf}{L} \times K = \frac{.49}{100} \times 140 = 0.686$	<i>418</i>	<i>34.34</i>
TOTALS							<i>418</i>	<i>34.34</i>

TIME WEIGHTED AVERAGE TOTAL sfcc x MIN TOTAL MIN.	TWA <i>0.686</i> sfcc
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SIGNATURE OF SAMPLER <i>T. Meagher</i>	SIGNATURE OF ANALYST <i>T. Meagher</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. 84-260-80

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				260	4/25/84
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	
APRIL #2 MUNSON				NO. 2 MUNSON MIXER	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA		1617		2	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
436-1	0517	1040		
436-1	1040	1528		

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
453" P00 / 153300 S	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	85	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND DIRECTION	N	WIND VELOCITY	05		

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.
436-1	15	100	.15	-	282	$\frac{\text{flf} \times K}{\text{LITERS}} = .07$	143	10.01
436-2	31.5	100	.315	-	516	$.076$	288	24.89
TOTALS							431	31.90

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
$.077$ flcc

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

DISTRIBUTION: WHITE PLANT AND SITE #12/CANARY CORP. HEALTH & SAFETY/PLANT PERSONNEL WHITE/COLORADO TEMPORARY/ENVIRONMENT

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PLANT RIVERSIDE		PLANT 260	DATE OF TEST 4/25/84
EMPLOYEE NAME JOE MUNSON MIXER		PAYROLL NUMBER AREA	JOB TITLE AREA
PUMP MANUFACTURER NISA		SERIAL NUMBER 1617	FLOW RATE (lpm) 2.0

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	8:17	10:40	PUMP ON RAILING ADJACENT TO STAIRWAY	
	10:40	1:52	W. OF #2 MUNSON / FILTER 36" ABOVE WALKWAY	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size, Type of pipe, Downtime, etc.) 15" 2000 S; 15" 3000 S; 15" 3300 S	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 80 WIND DIRECTION W WIND VELOCITY 08 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 $K = \frac{856}{\text{FIELD AREA} \times 1000} = 140$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
	15	100	15		286	$\frac{115}{286} \times 140 = 57.6$	143	1001
					576	$\frac{115}{576} \times 140 = 28.8$	288	2189
TOTALS							431	3189

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 57.6 f/cc
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SIGNATURE OF SAMPLER <i>L. Magnus</i>	SIGNATURE OF ANALYST <i>L. Magnus</i>
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PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>4/25/84</i>
EMPLOYEE NAME <i>S. AREZ A</i>	PAYROLL NUMBER <i>346</i>	JOB TITLE <i>PIPE HANDLER</i>	CODE
PUMP MANUFACTURER <i>115A</i>	SERIAL NUMBER <i>3155</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>0806</i>	<i>1456</i>	<i>LINE 1 - PIPE HANDLER -</i>	
			<i>2 PIPE HANDLER -</i>	
			<i>2 - 10 MIN. BREAKS</i>	
			<i>1 - 30 " LUNCH BREAK</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>6150 + 14150</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>80</i> WIND DIRECTION <i>W</i> WIND VELOCITY <i>48</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>sf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000}$ = <i>140</i>
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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.
	<i>41</i>	<i>100</i>	<i>.41</i>		<i>820</i>	$\frac{\text{sf} \times \text{K}}{\text{LITERS}}$ <i>.07</i>	<i>410</i>	<i>28.73</i>
TOTALS							<i>410</i>	<i>28.73</i>

TIME WEIGHTED AVERAGE TOTAL sfcc x MIN TOTAL MIN. TWA <i>.07 sfcc</i>

SIGNATURE OF SAMPLER <i>T. Megaw</i>	SIGNATURE OF ANALYST <i>T. Megaw</i>
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PLANT <i>ADVERSE</i>										PLANT <i>260</i>		DATE OF TEST <i>4/25/</i>		
EMPLOYEE NAME <i>MARDO</i>										PAYROLL NUMBER <i>332</i>		JOB TITLE <i>PIPE HANDLER</i>		CODE
PUMP MANUFACTURER <i>1134</i>										SERIAL NUMBER <i>5185</i>		FLOW RATE (lpm) <i>2.0</i>		

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
		<i>08071456</i>	<i>WORKED AS PIPE HANDLER - LINES 1 & 2.</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>6150 x 14150</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>W</i>	WIND VELOCITY	<i>08</i>
		PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <i>100</i> FIELDS = <i>115</i>	<i>B-L</i>	<i>.0061</i> 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.
	<i>235</i>	<i>100</i>	<i>.235</i>		<i>818</i>	$\frac{f/f}{LITERS} \times K = \frac{.235}{.0061} \times 140 = 5400$	<i>409</i>	<i>16.36</i>
TOTALS								<i>409</i> <i>16.36</i>

TIME WEIGHTED AVERAGE	
TOTAL f/cc x MIN	TWA
<i>16.36</i>	<i>16.36</i>

SIGNATURE OF SAMPLER <i>L. Megarson</i>	SIGNATURE OF ANALYST <i>L. Megarson</i>
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PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>9/27/94</i>
EMPLOYEE NAME <i>MOBIL 453 A</i>	PAYROLL NUMBER <i>105</i>	JOB TITLE <i>MACHINE TENDER</i>	CODE
PUMP MANUFACTURER <i>MISA</i>	SERIAL NUMBER <i>2899</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
431	1708	2229	OPERATED PIPE MACHINE	
431	2229	0200		
			2-10 MIN. BREAKS	
			1-20 V LUNCH BREAK	

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 (AVERAGE) OUTSIDE TEMPERATURE °F <i>60</i> WIND DIRECTION <i>SE</i> WIND VELOCITY <i>16</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 mm²</i>	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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
431	47	100	.47	-	402	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{47 \times 140}{.16} = 412$	201	32.16
431-2	44	100	.44		422	$\frac{44 \times 140}{.16} = 385$	211	30.81
TOTALS							412	62.96

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN. <i>.15 flcc</i>

SIGNATURE OF SAMPLER <i>P. Magnusen</i>	SIGNATURE OF ANALYST <i>P. Magnusen</i>
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ASBESTOS MONITORING DATA SHEET

NO. 84-260-10

PLANT										PLANT	DATE OF TEST	
RILIESIDE										260	4/23/84	
EMPLOYEE NAME					PAYROLL NUMBER		JOB TITLE			CODE		
DOBBS P					295		BORING MILL OPER.					
PUMP MANUFACTURER					SERIAL NUMBER		FLOW RATE (lpm)					
MSA					4452		2.0					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
429	10800	1148	OPERATED #2 BORING MILL	
429	21148	1503	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.)	CODE
6" 50 - 45	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	85	☒	☒	☐	☐
WIND DIRECTION	N	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND VELOCITY	10	☐	☐	☐	☐

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.
429-1	23	100	.23	—	446	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{23 \times 140}{446} = 7.28$	228	15.96
429-2	16.5	100	.165	—	390	$\frac{16.5 \times 140}{390} = 5.9$	195	11.51
TOTALS							423	27.47

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

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

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TIME WEIGHTED AVERAGE	
AWT	TOTAL MIN
TOTAL MIN	
50	200

TOTALS

CORP. HEALTH & SAFETY

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PLANT <i>RIVERSIDE</i>										PLANT <i>240</i>	DATE OF TEST <i>4/18/84</i>	
EMPLOYEE NAME <i>MUMSON MIXER</i>					PAYROLL NUMBER <i>1617</i>					JOB TITLE <i>AREA -</i>		CODE
PUMP MANUFACTURER <i>MISA</i>					SERIAL NUMBER <i>1617</i>					FLOW RATE (lpm) <i>2.0</i>		

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
424	0813	1148	PUMP ON RAILING - ACROSS WEST	
424-2	1148	1529	WALKWAY FROM DISCH. END OF #2 MUMSON MIXER	

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 <i>85</i> WIND DIRECTION <i>N</i> WIND VELOCITY <i>07</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>515</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$
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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.
424	37.5	100	.375		430	$\frac{f/f \times K}{\text{LITERS}} = \frac{.375 \times 140}{1.22} = 42.95$	215	26.23
424-2	24	100	.24		398	$\frac{.24 \times 140}{.084} = 400$	199	16.72
TOTALS							414	42.95

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
<i>410</i> f/cc

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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PLANT RIVERSIDE		PLANT 240	DATE OF TEST 4/17/70
EMPLOYEE NAME MESCHLI MAN K	PAYROLL NUMBER 108	JOB TITLE MACH. TENDER	CODE
PUMP MANUFACTURER MISA	SERIAL NUMBER 3155	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START			
419	0740	1058	OPERATED PIPE MACHINE -	
419-2	1058	1455		
			5-10 MIN. BREAKS	
			1-20 V LUNCH BREAK.	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 850 PIPE	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 80 WIND DIRECTION N WIND VELOCITY 10	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 mm ²	CONSTANT K = 855 FIELD AREA x 1000 = 140
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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.
419	18.5	100	.185		396	$\frac{115}{100} \times K = .065$	198	12.87
419-2	49.5	100	.495		414	$\frac{115}{100} \times K = .146$	237	34.60
TOTALS							435	47.47

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. .11 f/cc

SIGNATURE OF SAMPLER <i>J. Mezger</i>	SIGNATURE OF ANALYST <i>J. Mezger</i>
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PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/23/84
EMPLOYEE NAME AREA BAG OPERATOR	PAYROLL NUMBER 11111	JOB TITLE AREA BAG OPERATOR	CODE 111
PUMP MANUFACTURER MSA	SERIAL NUMBER 2899	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
716	0730	1432	Jct of Batch Conveyor + INCLINE FEED CONVEYOR -	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8150	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 79 (AVERAGE)	WIND DIRECTION SE	WIND VELOCITY 10	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 875 f/f	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 2061 mm ²	CONSTANT K = 855 = 140 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.
716	87.5	100	.875		844	$\frac{f/f \times K}{LITERS} = \frac{.875 \times 140}{.145} = 1145$	422	61.19
TOTALS							422	61.19

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. 1145 f/cc
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SIGNATURE OF SAMPLER <i>T. Magner</i>	SIGNATURE OF ANALYST <i>T. Magner</i>
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Pipe and Plastic Group

ASBESTOS MONITORING DATA SHEET

NO 84-260-61

PLANT <u>RIVERSIDE</u>										PLANT <u>260</u>	DATE OF TEST <u>3/23/84</u>	
EMPLOYEE NAME <u>A. R. E. A.</u>										PAYROLL NUMBER	JOB TITLE <u>AREA / MACH. TENDERS PANEL</u>	CODE
PUMP MANUFACTURER <u>MSA</u>										SERIAL NUMBER	FLOW RATE (lpm) <u>1.96</u>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
717	0730	1435		

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN	
OUTSIDE TEMPERATURE °F <u>79</u>	WIND DIRECTION <u>SE</u>	WIND VELOCITY <u>SE</u>	PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN <u>1</u> FIELDS = <u>1</u> flf	<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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
717	26.5	100	.265	—	831.04	flf x K = .044 LITERS	425	18.70
TOTALS							425	18.70

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN.
<u>.044</u> flcc

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

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WEIGHTED AVERAGE			
TOTAL			
10	4	0	0

1810 254

TOTALS

CTD022035

ASBESTOS MONITORING DATA SHEET

NO. 84260-60

PLANT BIVERSIDE		PLANT 260	DATE OF TEST 3/23/84
EMPLOYEE NAME HORTON A	PAYROLL NUMBER 156	JOB TITLE MACH. TENDER	CODE
PUMP MANUFACTURER NSA	SERIAL NUMBER 4452	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
712	0745	1338	NOTE: OPERATOR LEFT WORK FOR UNION MTG/1:38 OPERATED PIPE MACH - BRUSHED SHOULERS 2-10 MIN. BREAKS 1-20 V LUNCH BREAK	

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 (AVERAGE) OUTSIDE TEMPERATURE °F 79 WIND DIRECTION SE WIND VELOCITY 10 SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐	C
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 10061 mm ²	CONSTANT K = 855 = 140 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 LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
712	43	100	1.43		706	$\frac{115}{706} \times 10061 = 1.685$	353	30.00
TOTALS							353	30.00

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
1.685

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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TIME REIGHTED AVERAG

$$AWT = \frac{\sum_{i=1}^n \text{TIME}_i}{n}$$

WATER

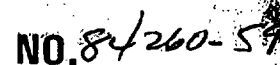
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TOTALS

CTD022037



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CTD022038

SECRET

CTD022039



NO. 84 260-58

CTD022040

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CONFIDENTIAL

NBS-4051	
WT	MIN 5ATOT
110	1.8

4.261 654 2JATOT

CORP. HEALTH & SAFETY
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PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/22/84</i>
EMPLOYEE NAME <i>HORTON A</i>	PAYROLL NUMBER <i>156</i>	JOB TITLE <i>MACH. TENDER</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>4452</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>706</i>	<i>0750</i>	<i>1449</i>	<i>OPERATED PIPE MACH. CLEANED SHOWERS, FILTERS. 2-10 MIN. BREAKS 1-20 ✓ LUNCH ✓</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>14150</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>N</i>	WIND VELOCITY <i>05</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>838</i> f/f	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{856}{\text{FIELD AREA} \times 1000} = 140$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (l)	CORRECTED f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>706</i>	<i>60.5</i>	<i>100</i>	<i>.605</i>	<i>-</i>	<i>838</i>	$\frac{\text{f/f} \times \text{K}}{\text{LITERS}} = .10$	<i>4.9</i>	<i>41.9</i>
TOTALS								<i>41.9</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = 41.9 TOTAL MIN. = 4.9 AVERAGE = <i>10</i>
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SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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ASBESTOS MONITORING DATA SHEET

NO. 84260 SL

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/22/84
EMPLOYEE NAME COCKEY D	PAYROLL NUMBER	JOB TITLE CPLG CUT-OFF OPERATOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3155	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
708	0750	1456	OPERATED CPLG CUT-OFF MACH.	
			2-SET UPS	
			2-10 MIN. BREAKS	
			1-30 ✓ LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 3M 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 8150; 10150; 10200; CPLGS	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 75 WIND DIRECTION N WIND VELOCITY 05	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
--	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = sf	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 1.006 mm ²	CONSTANT K = 855 = 140 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 sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
708	99.0	100	.99	!	852	$\frac{sf}{LITERS} \times K = .162$	426	69.01
TOTALS							426	69.01

TIME WEIGHTED AVERAGE TOTAL sfcc x MIN. - TWA TOTAL MIN. .162 sfcc
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SIGNATURE OF SAMPLED <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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DISTRIBUTION: WHITE PLANT SAFETY FILE / CHARTER-CORP. HEALTH & SAFETY / PINK PLANT PERSONNEL FILE / GOLDEN ROD - TEMPORARY PLANT COPY

ASBESTOS MONITORING DATA SHEET

NO. 8426055

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 3/22/84
EMPLOYEE NAME AREA / CPO	PAYROLL NUMBER	JOB TITLE AREA - CPG CUT-OFF	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 1617	FLOW RATE (lpm) 1.96	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
711			NO PRODUCTION DURING BREAKS = 50 MIN.	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 10" 150; 6" 150	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 79 (AVERAGE)	WIND DIRECTION ☒	WIND VELOCITY ☒	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐
	PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐		

BLANK FIBER COUNT FIBERS IN _____ FIELDS = flf	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 1.0061 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 flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
711	59.5	100	.595	1	833	$\text{flf} \times K = 1.10$ LITERS	425	42.5
TOTALS							425	42.5

TIME WEIGHTED AVERAGE $\frac{\text{TOTAL flcc} \times \text{MIN.}}{\text{TOTAL MIN.}} = \text{TWA}$
1.10 flcc

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

THE NEW YORK PUBLIC LIBRARY ASTOR LENOX TILDEN FOUNDATION

CORP. HEALTH & SAFETY
JUL 24 1984
RECEIVED

DATE	7/24/84
TIME	11:00
INITIALS	JS

TOTALS 254 254

CTD022046

ASBESTOS MONITORING DATA SHEET

NO. 84.260 54

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/22/87</i>
EMPLOYEE NAME <i>AREA 1-BD</i>	PAYROLL NUMBER	JOB TITLE <i>BAG OPENER</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>2899</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>710</i>	<i>0730</i>	<i>1434</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>14150</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>77</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>100</i> FIELDS = <i>425</i> f/f	MICROSCOPE MAKE & MODEL	FIELD AREA 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.
<i>710</i>	<i>425</i>	<i>100</i>	<i>.425</i>	<i>—</i>	<i>852</i>	$\frac{f/f \times K}{\text{LITERS}} = \frac{.425 \times 855}{1.069} = 34.6$	<i>424</i>	<i>29,39</i>
TOTALS							<i>426</i>	<i>29.39</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. <i>1.069 f/cc</i>

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/PLANT PERSONNEL FILE/GOLDER/TEMPORARY PLANT COPY

CORP. HEALTH & SAFETY

JUL 24 1984

RECEIVED

100

75.25 2.54

TOTALS

SIGNATURE OF ANALYST

REPORT SAMPLER

CTD022048

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/22/80</i>
EMPLOYEE NAME <i>W. F. KAS</i>	PAYROLL NUMBER <i>240</i>	JOB TITLE <i>ANALYST</i>	CODE
PUMP MANUFACTURER <i>NISA</i>	SERIAL NUMBER <i>3153</i>	FLOW RATE (lpm) <i>2-0</i>	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
	<i>07521450</i>	<i>SET-UP BATTERIES</i>	
		<i>OPERATED BAG OPENER</i>	
		<i>2-10 MIN. BREAKS</i>	
		<i>1-20 V LUNCH</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 7810</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>14150</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> WIND DIRECTION <i>W</i> WIND VELOCITY <i>5</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>115</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>1.0061</i> mm ²	CONSTANT K = <i>855</i> = <i>14</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 <i>fff</i> + VOLUME x K = <i>fff</i> x K =	TOTAL SAMPLE TIME (MIN)	<i>fff</i> x MIN.
	<i>1435</i>	<i>100</i>	<i>1.435</i>	<i>-</i>	<i>836</i>	<i>1.24</i>	<i>418</i>	<i>100.32</i>
TOTALS							<i>418</i>	<i>100.32</i>

TIME WEIGHTED AVERAGE	
TOTAL <i>fff</i> x MIN	TOTAL MIN.
<i>124</i>	<i>fff</i>

SIGNATURE OF SAMPLER <i>T. Mezger</i>	SIGNATURE OF ANALYST <i>T. Mezger</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 <i>261</i>	DATE OF TEST <i>3/1/10</i>	
EMPLOYEE NAME <i>A R E A C P L C C U T O F F</i>					PAYROLL NUMBER		JOB TITLE <i>CPLC C/O -</i>			CODE		
PUMP MANUFACTURER <i>MSA</i>					SERIAL NUMBER <i>1617</i>		FLOW RATE (lpm) <i>2.00</i>					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>627</i>	<i>0810</i>	<i>1512</i>	<i>PUMP/FILTER MOUNTED ON PANEL OPPOSITE OPERATORS POSITION</i>	
			<i>NO PRODUCTION DURING BREAKS = 50 MIN.</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>14150</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>SW</i> WIND VELOCITY <i>05</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>1.0061</i> mm ²	CONSTANT $K = \frac{855}{\text{FIELD AREA} \times 1000} = 185$
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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 = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
<i>627</i>	<i>27</i>	<i>100</i>	<i>.27</i>		<i>844</i>	$\frac{fff}{LITERS} \times K =$ <i>1.044</i>	<i>422</i>	<i>18.568</i>
TOTALS							<i>422</i>	<i>18.568</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. <i>0.44 f/cc</i>
--

SIGNATURE OF SAMPLER <i>J. Magallon</i>	SIGNATURE OF ANALYST <i>J. Magallon</i>
--	--

PLANT <i>RIVERSIDE</i>		PLANT <i>240</i>	DATE OF TEST <i>3/1/11</i>
EMPLOYEE NAME <i>R E A P A F O P E N E R</i>		PAYROLL NUMBER <i>2899</i>	JOB TITLE <i>BAG OPERATOR</i>
PUMP MANUFACTURER <i>MSA</i>		SERIAL NUMBER <i>2899</i>	FLOW RATE (lpm) <i>2.0</i>

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>2305061508</i>			<i>NEAR JUNCTION OF BATCH CONVEYOR +</i>	
			<i>INCLINE CONVEYOR</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>10150</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>SW</i> WIND VELOCITY <i>05</i>	SUNNY ☒ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>515</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>10061</i> mm ²	CONSTANT K = <i>856</i> = <i>140</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>623</i>	<i>45</i>	<i>100</i>	<i>.45</i>		<i>515</i>	<i>f/f x K = 1074</i>	<i>422</i>	<i>31.228</i>
TOTALS							<i>422</i>	<i>31.228</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN. <i>1074</i> f/cc

SIGNATURE OF SAMPLER <i>Shreegaur</i>	SIGNATURE OF ANALYST <i>Shreegaur</i>
--	--

PLANT RIVERSIDE		PLANT 2603	DATE OF TEST 1/16/84
EMPLOYEE NAME AREA MT PANEL	PAYROLL NUMBER	JOB TITLE MACH. TENDERS PANEL	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 5155	FLOW RATE (lpm) 1.96	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
62208051509			5'6" FROM FLOOR	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 10" 150	CODE
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EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	☒ CLOUDY	☐ HUMID	☐ RAIN
OUTSIDE TEMPERATURE °F	70	WIND DIRECTION	SW	WIND VELOCITY	45
		PARTLY CLOUDY	☐ FOG	☐ SHOWERS	☐ SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = 515	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 f/f - VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
62258.5	100	.585			831	$\frac{f/f}{LITERS} \times K =$ 098	424	41.55
TOTALS								424 41.55

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

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

CTD022052

PLANT <i>RIVERSIDE</i>										PLANT <i>260</i>	DATE OF TEST <i>3/16/72</i>
EMPLOYEE NAME <i>CORLEY D</i>					PAYROLL NUMBER <i>131</i>		JOB TITLE <i>CPLG / OPERATOR</i>			CODE	
PUMP MANUFACTURER <i>MSA</i>					SERIAL NUMBER <i>3153</i>			FLOW RATE (lpm) <i>2.0</i>			

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>121</i>	<i>0759</i>	<i>1503</i>	<i>CUT CPLG BLANKS / CPLG CUT OFF MACH</i>	
			<i>MADE 1 CHANGE-OVER</i>	
			<i>2 - 10 MIN BREAKS</i>	
			<i>1 - 30 V LUNCH V</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>14150 CPLGS; 10" 3300 SUNKER CPLGS -</i>	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 <i>70</i>	WIND DIRECTION <i>SW</i> WIND VELOCITY <i>05</i> 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 $K = \frac{856}{\text{FIELD AREA} \times 1000} = .140$
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SAMPLE NUMBER	TOTAL FIBERS	FIELDS COUNTED	FIBERS PER FIELD	CORRECT BY SUBTRACTING BLANK	TOTAL SAMPLE VOLUME (L)	CORRECTED flf + VOLUME x K = flcc	TOTAL SAMPLE TIME (MIN)	flcc x MIN.
<i>621</i>	<i>88.5</i>	<i>100</i>	<i>.885</i>		<i>848</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.885 \times .140}{.0061} = .144$	<i>424</i>	<i>61.90</i>
TOTALS							<i>424</i>	<i>61.90</i>

TIME WEIGHTED AVERAGE TOTAL flf x MIN = TWA TOTAL MIN. <i>.144 flcc</i>
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SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/14/15</i>
EMPLOYEE NAME <i>CUNTERFELT</i>	PAYROLL NUMBER <i>240</i>	JOB TITLE <i>MIXERMAN</i>	CODE
PUMP MANUFACTURER <i>USA</i>	SERIAL NUMBER <i>3155</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>620</i>	<i>07571455</i>	<i>SET UP BATCHES - OPERATED BAG-OPENER</i>	
		<i>- KEPT AREA CLEAN</i>	
		<i>2-10 MIN. BREAKS</i>	
		<i>1-20 V LUNCH BREAK</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>10150</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> (AVERAGE)	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>flf</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = <i>856</i> = <i>140</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>620</i>	<i>72</i>	<i>100</i>	<i>172</i>		<i>830</i>	<i>flf x K = .112</i>	<i>415</i>	<i>49.8</i>
TOTALS								<i>415 49.8</i>

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

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 <i>RIVERSIDE</i>		PLANT 260	DATE OF TEST 3/16/17
EMPLOYEE NAME 40470M A	PAYROLL NUMBER 156	JOB TITLE MACH. TENDER	
PUMP MANUFACTURER MSA	SERIAL NUMBER 4452	FLOW RATE (lpm) 176	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
619	57	55:14	OPERATED PIPE MACHINE, ETC. CLEANED FILTERS	
			2-10 MIN. BREAKS	
			1-20 ✓ LUNCH ✓	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☒ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 10" - 150	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>SW</i> WIND VELOCITY <i>05</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>.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 f/f + VOLUME x K = f/cc		TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
						LITERS			
619	52	100	.52		846	$\frac{fff}{LITERS} \times K =$	<i>1088</i>	423	37.22
TOTALS								423	37.22

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN.
<i>.1088</i> f/cc

SIGNATURE OF SAMPLER <i>T. Megaw</i>	SIGNATURE OF ANALYST <i>T. Megaw</i>
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PLANT										RIVERSIDE										PLANT		DATE OF TEST									
																				2603		15/84									
EMPLOYEE NAME										PAYROLL NUMBER										JOB TITLE										CODE	
HOBSTON A										156										MACH TENDER											
PUMP MANUFACTURER										SERIAL NUMBER										FLOW RATE (lpm)											
MSA										4452										1.96											

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
613	08	17	OPERATED PIPE MACHINE -	
			CLEAN UP -	
			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
12150	

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
WIND DIRECTION		WIND VELOCITY			

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.
613	72	100	.72	-	780.08	$\text{flf} \times K = \frac{72 \times 140}{100} = 100.8$	398	51.34
TOTALS							398	51.34

TIME WEIGHTED AVERAGE
TOTAL flcc x MIN. = TWA
TOTAL MIN. =
1.129

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST

[illegible]

CORP. HEALTH & SAFETY

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CTD022057

PLANT RIVERSIDE		PLANT 240	DATE OF TEST 3/15/84
EMPLOYEE NAME CONTRERAS J	PAYROLL NUMBER 240	JOB TITLE MIXERMAN	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 5185	FLOW RATE (lpm) 1.96	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
612	0818	1456	SET UP FIBER BATCHES ON CONVEYOR - OPERATED BAG OPENER - CLEANUP WHSE AREA - OPERATED LIFT TRUCK -	
			2-10 MIN. BREAKS	
			1-20 MIN. LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL 3M 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 12" 150	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 69 WIND DIRECTION SE WIND VELOCITY 12	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = fff	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 0061 mm²	CONSTANT K = 855 = 140 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 + VOLUME x K = f/cc LITERS	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
612	67.0	100	.67	-	116.16	.12	396	47.52
TOTALS							396	47.52

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. =
.12

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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REF ID: A740 041901 1878 2072382A

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CTD022059

PLANT RIVERSIDE		PLANT 2603	DATE OF TEST 3/15/84
EMPLOYEE NAME COOLEY D	PAYROLL NUMBER 131	JOB TITLE CPLG CUT-OFF OPERATOR	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 3153	FLOW RATE (lpm) 2.0	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
603	0821/1521	CUT CPLGS W/ CUT OFF MACHINE -	
		STENCILED & PLACED CPLGS ON PALLET -	
		CLEAN UP AREA 1. SET UP	
		2-10 MIN. BREAKS	
		1-30 MIN. LUNCH BREAK -	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL 3M 8710	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 14150 CPLGS ; 12.3300 SEWER CPLGS	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 69 WIND DIRECTION SE WIND VELOCITY 10	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = sf	MICROSCOPE MAKE & MODEL B-L	FIELD AREA 10061 mm²	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 sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
603	136.5	100	1.365		840	$\frac{sf}{L} \times K = \frac{1.365}{100} \times 140 = 1.911$	420	95.34
TOTALS:							420	95.34

TIME WEIGHTED AVERAGE	
TOTAL sfcc x MIN.	TWA
420 x 95.34	1427

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

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3101K

● 343116

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918TOT

TIME WEIGHED AVERAGE

DATE - 11/11/71

AMT - 1000 1000

1000

5-52

CTD022061

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/15/89</i>
EMPLOYEE NAME <i>A R E A</i>	PAYROLL NUMBER	JOB TITLE <i>CPLG CUT OFF</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>1617</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	END		
<i>616</i>	<i>0831</i>	<i>1651</i>	<i>NO PRODUCTION DURING BREAKS: 50 MINUTES</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>14150 ; 12" SWR</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 ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>fff</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>50061</i> mm ²	CONSTANT K = <i>855</i> = <i>140</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 fff + VOLUME x K = fsc	TOTAL SAMPLE TIME (MIN)	fsc x MIN.
<i>616</i>	<i>23.0</i>	<i>100</i>	<i>.23</i>		<i>10.00</i>	<i>fff x K = .032</i>	<i>500</i>	<i>16.00</i>
TOTALS							<i>500</i>	<i>16.00</i>

TIME WEIGHTED AVERAGE TOTAL fsc x MIN. = TWA TOTAL MIN.
<i>1.032</i>

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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2072582A MONITORING DATA SHEET

RESTRICTED

0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261	0262	0263	0264	0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310	0311	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342	0343	0344	0345	0346	0347	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	0374	0375	0376	0377	0378	0379	0380	0381	0382	0383	0384	0385	0386	0387	0388	0389	0390	0391	0392	0393	0394	0395	0396	0397	0398	0399	0400	0401	0402	0403	0404	0405	0406	0407	0408	0409</
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PLANT RIVERSIDE										PLANT 240		DATE OF TEST 3/15/84				
EMPLOYEE NAME ARE4 - BAG OPENER					PAYROLL NUMBER 2899					JOB TITLE BAG OPENER					CODE 11	
PUMP MANUFACTURER MSA					SERIAL NUMBER 2899					FLOW RATE (lpm) 2.0						

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
614	0826	1647	JCT. OF BATCH CONVEYOR + INCLINE FEED-IN CONVEYOR.	

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, 8" 200	CODE 11
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) 67 WIND DIRECTION SE WIND VELOCITY 10 SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ OUTSIDE TEMPERATURE °F 67 PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = 115	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 mm²	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 f/f + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
614	49.5	100	.495	-	1002	$\frac{f/f \times K}{\text{LITERS}} = .069$	501	34.57
TOTALS							501	34.57

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. = .069 110
--

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

DISTRIBUTION: WHITE PLANT SAFETY FILE / CANARY CORPS HEALTH / SAFETY / PINK PLANT / PERSONNEL FILE / CODE / NO. TEMP. / RY. / COPY

The Christian



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JUL 24 1984

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CTD022065

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/15/84</i>
EMPLOYEE NAME <i>A R E A</i>	PAYROLL NUMBER	JOB TITLE <i>MACH. TENDERS PANEL</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>3155</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
<i>6150827</i>	<i>1648</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" 50; 8" 200</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>(AVERAGE) 49</i>	WIND DIRECTION <i>SE</i>	WIND VELOCITY <i>11</i>	SUNNY ☐ CLOUDY ☐ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☒ FOG ☐ SHOWERS ☐ SNOW ☐
--	--------------------------	-------------------------	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>sf</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 sf + VOLUME x K = sfcc	TOTAL SAMPLE TIME (MIN)	sfcc x MIN.
<i>615</i>	<i>825</i>	<i>100</i>	<i>8.25</i>		<i>1002</i>	<i>sf x K = 1115</i>	<i>501</i>	<i>57.62</i>
TOTALS							<i>501</i>	<i>57.62</i>

TIME WEIGHTED AVERAGE TOTAL sfcc x MIN. = TWA TOTAL MIN.
<i>1115</i>

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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REF ID: A66789

The Institute
of
Management Sciences

TIME WEIGHTED AVERAGE

AWT = $\frac{\text{TOTAL MIN} \times \text{LATOT}}{\text{TOTAL MIN}}$

3/17	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30	3/31	4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/8	4/9	4/10	4/11	4/12	4/13	4/14	4/15	4/16	4/17	4/18	4/19	4/20	4/21	4/22	4/23	4/24	4/25	4/26	4/27	4/28	4/29	4/30	4/31	5/1	5/2	5/3	5/4	5/5	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/20	5/21	5/22	5/23	5/24	5/25	5/26	5/27	5/28	5/29	5/30	5/31	6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30	6/31	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31	9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	9/31	10/1	10/2	10/3	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	10/15	10/16	10/17	10/18	10/19	10/20	10/21	10/22	10/23	10/24	10/25	10/26	10/27	10/28	10/29	10/30	10/31	11/1	11/2	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30	11/31	12/1	12/2	12/3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	12/22	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31
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PLANT										PLANT										DATE OF TEST																			
RIVERSIDE										260										3/14/87																			
EMPLOYEE NAME										PAYROLL NUMBER										JOB TITLE										CODE									
A R E A - C/PAG CUTOFF																				C/PAG CUTOFF AREA -																			
PUMP MANUFACTURER										SERIAL NUMBER										FLOW RATE (lpm)																			
MSA										1617										2.0																			

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
600	0803	1523	C/PAG C/O OPPOSITE THE OPERATOR POSITION	
			NO PRODUCTION DURING BREAKS: 50 MIN.	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
14-150	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

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

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = _____ flf	B-L	1.006 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 = flf	TOTAL SAMPLE TIME (MIN)	flf x MIN.
600	29.5	100	295		880	$\frac{\text{flf} \times K}{\text{LITERS}} = 1.046$	440	20.24
TOTALS						440	20.24	

TIME WEIGHTED AVERAGE
TOTAL flf x MIN. = TWA
TOTAL MIN.
1.046 flf

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

1992-1993

TIME WEIGHTED AVERAGE				
TOTAL MIN				
TOTAL MIN * MM				
AWT - TWA				
100	2	4	0	.

[illegible]

WORKPLACE HEALTH & SAFETY
JUL 24 1984
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CTD022069

PLANT RIVERSIDE		PLANT 240	DATE OF TEST 3/14/79
EMPLOYEE NAME A. R. E. A.	PAYROLL NUMBER	JOB TITLE BAG-OPENER AREA	CODE
PUMP MANUFACTURER ATLA	SERIAL NUMBER 2899	FLOW RATE (lpm) 1.96	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
602	0830	1549	NEXT TO BATCH CONVEYOR - BAG DROP OFF TO CROSS CONVEYOR	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) 12" 150; 8" 200	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS OUTSIDE TEMPERATURE °F 48 (AVERAGE)	WIND DIRECTION SE	WIND VELOCITY 10	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.
602	52	100	.52		860.4	$\frac{515}{100} \times K = .084$	439	36.87
TOTALS							439	36.87

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

SIGNATURE OF SAMPLER <i>[Signature]</i>	SIGNATURE OF ANALYST <i>[Signature]</i>
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60M

13-10-1984

13-10-1984



CORP. HEALTH & SAFETY
JUL 24 1984
RECEIVED

ANALYST
DATE
INITIALS

10/4/84

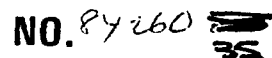
1725 154

TOTALS

SIGNATURE OF ANALYST

SIGNATURE OF SAMPLER

CTD022071

CTD022072

PLANT <i>RIVERSIDE</i>		PLANT <i>740</i>	DATE OF TEST <i>3/14/88</i>
EMPLOYEE NAME <i>C94494 D</i>	PAYROLL NUMBER <i>131</i>	JOB TITLE <i>CPLG CO OPERATOR</i>	
PUMP MANUFACTURER <i>USA</i>	SERIAL NUMBER <i>3155</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>608</i>	<i>07591515</i>	<i>OPERATED CPLG CUT-OFF MACHINE</i>	
		<i>KEPT WORK AREA CLEAN</i>	
		<i>2-10 MIN. BREAKS</i>	
		<i>1-30 V LUNCH ✓</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☐ YES ☐ NO ☒ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>14150</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>68</i> WIND DIRECTION <i>SE</i> WIND VELOCITY <i>15</i>	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN _____ FIELDS = <i>515</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = <i>855</i> = <i>140</i> 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.
<i>608</i>	<i>84.5</i>	<i>100</i>	<i>1.845</i>		<i>872</i>	<i>.1135</i>	<i>436</i>	<i>58.82</i>
TOTALS							<i>436</i>	<i>58.82</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN. = TWA TOTAL MIN. <i>.1135</i> f/cc

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

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/11/11</i>
EMPLOYEE NAME <i>R. E. A. MIT PANEL</i>		PAYROLL NUMBER <i>3744</i>	JOB TITLE <i>M.T. PANEL</i>
PUMP MANUFACTURER <i>NISA</i>		SERIAL NUMBER <i>3744</i>	FLOW RATE (lpm) <i>2.0</i>

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>607</i>	<i>0845</i>	<i>550</i>	<i>MACHINE TENDERS PANEL - APPROX 5'-6" FROM FLOOR ELEVATION</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</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>44</i> WIND DIRECTION <i>SE</i> WIND VELOCITY <i>11</i>	SUNNY ☐ CLOUDY ☒ HUMID ☐ RAIN ☐ PARTLY CLOUDY ☐ FOG ☐ SHOWERS ☐ SNOW ☐
---	--

BLANK FIBER COUNT FIBERS IN <i>100</i> FIELDS = <i>114</i> f/f	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>0061</i> mm ²	CONSTANT K = <i>856</i> = <i>140</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>607</i>	<i>74.5</i>	<i>100</i>	<i>.745</i>		<i>910</i>	<i>.114</i>	<i>455</i>	<i>51.87</i>
TOTALS							<i>455</i>	<i>51.87</i>

TIME WEIGHTED AVERAGE TOTAL f/cc x MIN = TWA TOTAL MIN <i>.114</i> f/cc
--

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

PLANT										PLANT		DATE OF TEST	
RIVERSIDE										260		3/11/17	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
HORTON A					156			MACH. TENDER					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
MSA					4452			2.0					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
605	0753	1455	OPERATED PIPE MACHINE	
			CLEANED SHOWERS	
			2-10 MIN. BREAKS	
			1-20 V LUNCH V	

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	68	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND DIRECTION		WIND VELOCITY			

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.
605	75.5	100	.755		844	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{75.5 \times 140}{125} = 125$	422	52.75
TOTALS							422	52.75

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
<i>P. Maguire</i>	<i>A. Maguire</i>

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>3/13/84</i>
EMPLOYEE NAME <i>CONTIENZA</i>	PAYROLL NUMBER <i>240</i>	JOB TITLE <i>MIXERMAN</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>0406</i>	FLOW RATE (lpm) <i>1.85</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>538</i>	<i>07</i>	<i>45</i>	<i>SETTING UP BATTERIES TO RUN THERM BAG</i>	
			<i>OPERATED LIFT TRUCK; OPERATED</i>	
			<i>BAG OPENER; MAINTAINED THE WORK AREA</i>	
			<i>2-10 MIN. BREAKS</i>	
			<i>1-20 MIN. LUNCH BREAK</i>	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL <i>3M 8710</i>	REMARKS
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>12" 150</i>	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
---	---------

WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F <i>70</i> WIND DIRECTION <i>W</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 = <i>855</i> = <i>140</i> 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 = fsec	TOTAL SAMPLE TIME (MIN)	fsec x MIN.
<i>538</i>	<i>106</i>	<i>100</i>	<i>1.06</i>	<i>-</i>	<i>788.1</i>	<i>fff x K = 1.88</i>	<i>426</i>	<i>80.08</i>
TOTALS							<i>426</i>	<i>80.08</i>

TIME WEIGHTED AVERAGE TOTAL fff x MIN. = TWA TOTAL MIN. <i>1.88 fsec</i>

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

CORP. HEALTH & SAFETY
JUL 8. 1984
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11/8/84

50.08

TOTAL

SIGNATURE OF ANALYST
J. Anderson
SIGNATURE OF SAMPLER
J. Anderson

CTD022077

ASBESTOS MONITORING DATA SHEET

NO. 4260 ~~587~~
44

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/13/87</i>
EMPLOYEE NAME <i>HORTON A</i>	PAYROLL NUMBER <i>154</i>	JOB TITLE <i>BOAT TENDER</i>	CODE
PUMP MANUFACTURER <i>ASA</i>	SERIAL NUMBER <i>4452</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>527</i>	<i>7:48</i>	<i>OPERATED PIPE MACH.</i>	
		<i>CLEANED HIS WORK AREA -</i>	
		<i>BRUSHED SHOWERS</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
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MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.) <i>12" SD 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>70</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>55</i>	MICROSCOPE MAKE & MODEL <i>B-L</i>	FIELD AREA <i>1.0061</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 ffl + VOLUME x K = fflcc	TOTAL SAMPLE TIME (MIN)	fflcc x MIN.
<i>527</i>	<i>55</i>	<i>100</i>	<i>.55</i>	<i>-</i>	<i>858</i>	$\frac{\text{ffl} \times K}{\text{LITERS}} = \frac{55 \times 140}{1.0061} = 7589$	<i>429</i>	<i>38.18</i>
TOTALS								<i>429 38.18</i>

TIME WEIGHTED AVERAGE TOTAL fflcc x MIN TOTAL MIN. <i>7589 fflcc</i>

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

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

CORP. HEALTH & SAFETY

JUL 24 1984

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SIGNATURE OF ANALYST	SIGNATURE OF SUPERVISOR
----------------------	-------------------------

IF SAFETY FILE/CANARY-CORP. HEALTH & SAFETY/PHYSICIAN-PLANT PERSONNEL FILE/CORPORATE-TEMPORARY PLANT COPY

CTD022079

PLANT		RIVERSIDE		PLANT	DATE OF TEST
EMPLOYEE NAME		PAYROLL NUMBER	JOB TITLE	CODE	
C44444		131	CPLG CUT-OFF OPER		
PUMP MANUFACTURER		SERIAL NUMBER	FLOW RATE (lpm)		
MSA		3155	2.0		

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
536	08	03	OPERATED CPLG CUT-OFF MACHINE	
			KEPT AREA CLEAN	
			2-10 MIN. BREAKS	
			1-30 & LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☐ YES ☐ NO ☒ SOMETIMES	3M 8710	

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

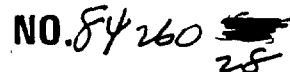
WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	70	SW	WIND VELOCITY	07	PARTLY CLOUDY
					FOG
					SHOWERS
					SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 115	B-L	0.0061 mm ²	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.
130	100	1.3			886	115 x K = 16362	443	90.82
TOTALS							443	90.82

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. - TWA
TOTAL MIN. - TWA
1705

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST



SIGNATURE OF ANALYST

PLANT <i>RIVERSIDE</i>		PLANT <i>260</i>	DATE OF TEST <i>3/13/84</i>
EMPLOYEE NAME <i>AREA - CPLG CUT OFF</i>	PAYROLL NUMBER	JOB TITLE <i>CPLG CUT-OFF</i>	CODE
PUMP MANUFACTURER <i>MSA</i>	SERIAL NUMBER <i>1617</i>	FLOW RATE (lpm) <i>2.0</i>	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
<i>53408041526</i>			<i>5'-0" FROM FL. LEVEL OPPOSITE SIDE FROM OPERATOR'S POSITION</i>	
			<i>NO PRODUCTION - 9:00 9:10 11:00-11:30 (LUNCH) 1:30 1:40 REST BREAKS</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" 50 CPLGS</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>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-L</i>	FIELD AREA <i>.0061</i> mm ²	CONSTANT K = $\frac{855}{\text{FIELD AREA} \times 1000} = 14$
--	---------------------------------------	--	--

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>195</i>	<i>100</i>	<i>.195</i>	<i>—</i>	<i>884</i>	$\frac{\text{flf} \times K}{\text{LITERS}} = \frac{.195 \times 14}{.0061} = 442$	<i>442</i>	<i>13.24</i>
TOTALS							<i>442</i>	<i>13.24</i>

TIME WEIGHTED AVERAGE TOTAL flcc x MIN. = TWA TOTAL MIN.
<i>703 flcc</i>

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

PLANT		RIVERSIDE		PLANT	DATE OF TEST
				240	3/13/84
EMPLOYEE NAME		PAYROLL NUMBER	JOB TITLE		CODE
A R E A BAG OPERATOR			BAG OPERATOR - NEXT TO BATCH CONVEYOR DROP OFF		
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA		5185		1.96	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
530	0815	534	POSITIONED ON RAILING NEXT TO BATCH CONVEYOR WHERE FIBER BAGS DROP TO THE CROSS CONVEYOR.	

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

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
12150; 12150 9/5	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	70	PARTLY CLOUDY	4	FOG	SHOWERS
WIND DIRECTION	SW	WIND VELOCITY	07	SNOW	

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 58	B-L	.0061 mm ²	K = $\frac{855}{\text{FIELD AREA} \times 1000} = 140$

SAMPLE NUMBER	TOTAL FIBERS	FIELDS	FIBERS PER COUNTED = 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
	58	100	.58	—	860.4	$\frac{f/f \times K}{\text{LITERS}} = \frac{.58 \times 140}{.0061}$	439	4.26
TOTALS							439	4.26

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

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

ASBESTOS MONITORING DATA SHEET

NO. 84-260-43

TIME WEIGHTED AVERAGE

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

SIGNATURE OF ANALYST

ASBESTOS MONITORING DATA SHEET

Confirmed
Pipes and Piping Group

DATE OF TEST
11/11/83

DID EMPLOYEE WEAR PROTECTIVE EQUIPMENT? ☒ YES ☐ NO

MANUFACTURING OR MAINTENANCE ACTIVITY? ☒ YES ☐ NO

EXHAUST SYSTEM OPERATING? ☒ YES ☐ NO

OUTSIDE TEMPERATURE: ☒ 50-60°F ☐ 60-70°F ☐ 70-80°F ☐ 80-90°F ☐ 90-100°F

FIELD AREA = 140 mm² K = 822

SAMPLE NUMBER	TOTAL FIBERS COUNTED = FIELD	TOTAL FIBERS PER FIELD	CORRECTED SUBSTRATE	TOTAL SAMPLE VOLUME (LITERS)	CORRECTED VOLUME (LITERS)	TOTAL SAMPLE TIME (MIN)	TOTAL FIELD AREA (mm ²)
202	100	100	—	241.8	241.8	401	140

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ASBESTOS MONITORING DATA SHEET

NO. 84260-42

PLANT		PLANT	DATE OF TEST
RIVERSIDE		260	3/12/84
EMPLOYEE NAME	PAYROLL NUMBER	JOB TITLE	CODE
KEA		BAG OPENING	
PUMP MANUFACTURER	SERIAL NUMBER	FLOW RATE (lpm)	
MSA	1617	2.0	

SAMPLE NUMBER	TIME		ACTIVITY DURING SAMPLING PERIOD	CODE
	START	TIME		
533	790216	08	END OF BATCH CONVEYOR = BAGS DROP TO CROSS CONVEYOR	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	73	☒	☐	☐	☐
WIND DIRECTION	SW	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND VELOCITY	05	☐	☐	☐	☐

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = f/f	B-L	0061 mm ²	K = 856 = 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.
533	715	100	.715	—	852	f/f x K = .117 LITERS	426	50.10
TOTALS							426	50.10

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN. =
1.17

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST

TELETYPE UNIT 201230000

Restricted

SAMPLE NUMBER	HIGHS LOCATED - FIELD	CORR IN PLANT
097	11-2 100	ZIT.
TOTALS	456	2010

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TOTAL WEIGHT AVERAGE
TIME WEIGHTED AVERAGE
TOTAL TONNAGE
TWT JATOT

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PLANT RIVERSIDE										PLANT 260		DATE OF TEST 3/12/57		
EMPLOYEE NAME 40270W A										PAYROLL NUMBER 156		JOB TITLE MACHINE TENDER		CODE
PUMP MANUFACTURER MSA										SERIAL NUMBER 4452		FLOW RATE (lpm) 2.0		

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
539	0805	1459	TENDED PIPE MACHINE	
			2-10 MIN. BREAKS	
			1-20 ✓ LUNCH BREAK	

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	CODE
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EXHAUST CONTROL SYSTEMS ☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	REMARKS
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WEATHER CONDITIONS (AVERAGE) OUTSIDE TEMPERATURE °F 73 WIND DIRECTION SW 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 1.0061 mm ²	CONSTANT K = 856 = 140 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 + VOLUME x K = f/cc	TOTAL SAMPLE TIME (MIN)	f/cc x MIN.
539	535	100	.535		828	$\frac{fff}{LITERS} \times K = .09$	414	37.26
TOTALS							414	37.26

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST
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PLANT		RIVERSIDE		PLANT	DATE OF TEST
EMPLOYEE NAME		PAYROLL NUMBER		JOB TITLE	CODE
A R E A MT PANEL				MACH. TENDER PANEL	
PUMP MANUFACTURER		SERIAL NUMBER		FLOW RATE (lpm)	
MSA		3153		2.0	

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
537099001408			FILTER MOUNTED ON MACH. TENDER PANEL	
			5'-0" FROM FLOOR LEVEL	

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

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

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	73	PARTLY CLOUDY	FOG	SHOWERS	SNOW
WIND DIRECTION	SW	WIND VELOCITY	05		

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN FIELDS = 515	B-L	10061 mm ²	K = 855 / (FIELD AREA x 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.
	655	100	.655	~	856	f/f x K = 107 LITERS	428	
TOTALS							428	

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

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST

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

PLANT										PLANT		DATE OF TEST	
RIVERSIDE										260		3/12/84	
EMPLOYEE NAME					PAYROLL NUMBER			JOB TITLE			CODE		
D. L. E. Y					131			CPLG CUT-OFF OPERATION					
PUMP MANUFACTURER					SERIAL NUMBER			FLOW RATE (lpm)					
MISA					3744			2.0					

SAMPLE NUMBER	START	TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
528	0816	1521	CUT CPLGS. STAMPED PCS; PLACED PCS ON PACKETS; CLEAN-UP AREA.	
			5-10 MIN. BREAKS	
			1-30 V LUNCH BREAK	

DID EMPLOYEE WEAR RESPIRATOR?	RESPIRATOR TYPE & MODEL	REMARKS
☒ YES ☐ NO ☐ SOMETIMES	3M8710	

MANUFACTURING INFORMATION (Size - Type of pipe - Downtime - Etc.)	CODE
12150 % + 8150 %	

EXHAUST CONTROL SYSTEMS	REMARKS
☒ FUNCTIONING NORMALLY ☐ NOT FUNCTIONING NORMALLY	

WEATHER CONDITIONS	(AVERAGE)	WIND DIRECTION	WIND VELOCITY	SUNNY	CLOUDY	HUMID	RAIN
OUTSIDE TEMPERATURE °F	73	S	05	☒	☐	☐	☐
				PARTLY CLOUDY	FOG	SHOWERS	SNOW

BLANK FIBER COUNT	MICROSCOPE MAKE & MODEL	FIELD AREA	CONSTANT
FIBERS IN _____ FIELDS = <u>515</u>	B-L	10061 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.
124	100	1.24			850	$\frac{f/f \times K}{\text{LITERS}} = \frac{1.24 \times 140}{1} = 173.6$	425	86.70
TOTALS							425	86.70

TIME WEIGHTED AVERAGE
TOTAL f/cc x MIN. = TWA
TOTAL MIN.
173.6

SIGNATURE OF SAMPLER	SIGNATURE OF ANALYST

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

PLANT RIVERSIDE		PLANT 260	DATE OF TEST 2/22/94
EMPLOYEE NAME AREA	PAYROLL NUMBER	JOB TITLE AREA - WEST PROPTY	CODE
PUMP MANUFACTURER MSA	SERIAL NUMBER 5185	FLOW RATE (lpm) 1.92	

SAMPLE NUMBER	START TIME	ACTIVITY DURING SAMPLING PERIOD	CODE
A03	10581524	DURING LOADING + REMOVAL OF SOIL, WEST SECTION OF PROPTY.	
		PUMP LOCATED 10' NORTH OF TRAILER	
		POSITION - 3 LOADINGS/36 SCOOPS	

DID EMPLOYEE WEAR RESPIRATOR? ☒ YES ☐ NO ☐ SOMETIMES	RESPIRATOR TYPE & MODEL 3M 8710	REMARKS DRIVER OF SKIP LOADER - WORE RESP + COVERALLS
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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 72 (AVERAGE)	WIND DIRECTION N	WIND VELOCITY 17	SUNNY ☐ PARTLY CLOUDY ☐ CLOUDY ☒ HUMID ☐ FOG ☐ RAIN ☐ SHOWERS ☐ SNOW ☐
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BLANK FIBER COUNT FIBERS IN _____ FIELDS = 315	MICROSCOPE MAKE & MODEL B-L	FIELD AREA .0061 mm ²	CONSTANT K = R55 = 140 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.
A03	26.5	100	.265		510.7	f/f x K = .069 LITERS	266	18.59
TOTALS							266	18.59

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

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DATE	SHEET NO.	NAME, POSITION or AREA	TIME	FLOW	VOLUME	PUMP	g/cc	Production Data
3-16-84	1	Horton, A Mach. Tender	423	1.96	846	4452	.068 ✓	10-150
3-16-84	2	Contreras, J Mixerman	415	2.0	830	3155	.12 ✓	10-150
3-16-84	3	Cooley Cplg cut-off	424	2.0	848	3153	.146 ✓	14-150 cplg 10-3000 "
3-16-84	4	Area: Mach. tender's panel	424	1.96	831	5185	.098 ✓	10-150
3-16-84	5	Area Bag opener	422	2.0	844	2899	.074 ✓	10-150
3-16-84	6	Area: cplg cut-off	422	2.0	844	1617	.044 ✓	14-150 cplg.
4-17-84	7	Aeschliman, K. Mach. tender	435	2.0	870	3155	.11 ✓	8-150
4-18-84	8	Area: #2 Munson	414	2.0	828	1617	.10 ✓	6-150
4-24-84	9	Morales, D Mach. tender	412	2.0	824	2899	.15 ✓	18-3000; 18-2000 18-3000 Swr.
4-23-84	10	Dobbs, D #2 Boring Mill	423	2.0	836	4452	.065 ✓	6-150 cplgs.
4-25-84	11	Amaro, R. Pipe handler	409	2.0	818	5185	.04 ✓	6-150 line 1 14-150 line 2
4-25-84	12	Suarez, A Pipe handler	410	2.0	820	3155	.07 ✓	6-150 line 1 14-150 line 2
4-26-84	13	Clauson, J Saw operator	418	2.0	836	3155	.082 ✓	6", 8", 14" 1/4s & 1/2s
4-30-84	14	Gil, L. FM lathe	426	2.0	852	4452	.035 ✓	14-150 FM 1/2
5-3-84	15	Dobbs, J. 1/4 lathe oper.	424	2.0	848	3155	.052 ✓	8-150 MEO 1/2 10-150 MEO 1/2
5-3-84	16	Evans, G. Lathe oper.	421	2.0	842	4452	.039 ✓	6-150 line 1
5-3-84	17	Brooks, E. Asst lathe oper.	425	2.0	850	5185	.036 ✓	6-150 line 1
5-3-84	18	Steward, R. Hydrotester	425	2.0	850	1617	.035 ✓	6-150 line 1
5-3-84	19	Brady, J. Press oper.	385	2.0	770	5153	.042 ✓	14-200; 16-150
5-3-84	20	Hamilton, C. Fittings maker	413	2.0	826	3153	.074 ✓	Misc. Fittings
5-4-84	21	James, J. Boring mill oper.	240	2.0	480	1617	.054 ✓	8-150 cplgs. 14-200 cplgs
5-4-84	22	Atencio, S. Fittings gluer	414	2.0	828	5185	.033 ✓	Misc. Fittings.

CTD022093

DATE	SHEET NUMBER	NAME, POSITION or AREA	TIME	FLOW	VOLUME	PUMP	g/cc	Production Data
5-4-84	23	Galvin, D. Truck oper.	394	2.0	788	4452	.024	✓ 6-150 line-1
5-4-84	24	Renfro, E. Relief oper.	410	2.0	820	3155	.054	✓ 18-storm drain 18" sewer
3-12-84	25	Cooley, D. cplg cut-off	425	2.0	850	3744	.204	✓ 12-150 cplg 8-150 cplg.
3-13-84	26	Area: Bag opener	439	1.96	860.4	5185	.094	✓ 12-150 12-150 c/s
3-13-84	27	Area: cplg cut-off	442	2.0	884	1617	.03	✓ 12-150 cplg.
3-13-84	28	Area: mach. tender's panel	441	2.0	882	3153	.114	✓ 12-150
3-13-84	29	Cooley, D. cplg cut off opr	443	2.0	886	3155	.205	✓ 12-150 cplg.
3-12-84	30	Area: mach. tender's panel	428	2.0	856	3153	.107	✓ 12-150
3-12-84	31	Horton, A Mach. tender	414	2.0	828	4452	.09	✓ 12-150
3-14-84	32	Horton, A mach. tender	422	2.0	844	4452	.125	✓ 12-150
3-14-84	33	Area: Mach. tender's panel	455	2.0	910	3744	.114	✓ 12-150
3-14-84	34	Cooley, D. Cplg. cut-off	436	2.0	872	3155	.135	✓ 14-150 cplg.
3-14-84	35	Contreras, J Mixerman	421	1.85	778.85	0406	.17	✓ 12-150
3-22-84	36	Contreras, J. Mixerman	418	2.0	836	3153	.24	✓ 14-150
<i>None</i>	37	Not assigned						
5-11-84	38	Richardson, J. Mixerman	286	2.0	572	4452	.052	✓ 16-150
5-11-84	39	Reyes, P. Mandrel handler	300	2.0	600	1617	.031	✓ 16-150
5-11-84	40	Windsor, F. Relief oper.	298	2.0	596	3153	.043	✓ 16-150
5-11-84	41	Casas, J. Press oper.	299	2.0	598	3155	.025	✓ 16-150
3-12-84	42	Area: Bag opener	426	2.0	852	1617	.117	✓ 12-150
3-12-84	43	Contreras, J. Mixerman	401	1.85	741.85	0406	.11	✓ 12-150
3-13-84	44	Horton, A. Mach. tender	429	2.0	858	4452	.089	✓ 12-150
3-13-84	45	Contreras, J. Mixerman	426	1.85	788.1	0406	.188	✓ 12-150

CTD022094

DATE	SHEET NUMBER	NAME, POSITION or AREA	TIME	FLOW	VOLUME	PUMP	f/cc	Production Data
3-14-84	46	Area: Bag opener	439	1.96	860.4	2899	.084	✓ 12-150
3-14-84	47	Area: cplg cut-off	440	2.0	880	1617	.046	✓ 14-150 cplg.
3-15-84	48	Area: Mach. tender's panel	501	2.0	1002	3155	.115	✓ 12-150
3-15-84	49	Area: Bag opener	501	2.0	1002	2899	.069	✓ 12-150
3-15-84	50	Area: cplg cut-off	500	2.0	1000	1617	.032	✓ 14-150 cplg
3-15-84	51	Cooley, D. COO oper.	420	2.0	840	3153	.227	✓ 14-150 cplg.
3-15-84	52	Contreras, J. Mixerman	396	1.96	776.16	5185	.12	✓ 12-150
3-15-84	53	Horton, A. Machine tender	398	1.96	780.08	4452	.129	✓ 12-150
3-22-84	54	Area: Bag opener	426	2.0	852	2899	.069	✓ 14-150
3-22-84	55	Area: Cplg. cut-off	425	1.96	833	1617	.10	✓ 10-150 cplg 6-150 cplg.
3-22-84	56	Cooley, D. Cplg. cut off.	426	2.0	852	3155	.162	✓ 8-150, 10-150 10-200 cplgs.
3-22-84	57	Horton, A. Mach. tender	419	2.0	838	4452	.10	✓ 14-150
3-23-84	58	Cooley, D. cplg cut off	420	2.0	840	3155	.32	✓ 10-150 cplg 6-150 cplg.
3-23-84	59	Contreras, J. Mixerman	423	2.0	846	3153	.173	✓ 8-150
3-23-84	60	Horton, A. Mach. tender	353	2.0	706	4452	.085	✓ 8-150
3-23-84	61	Area: Mach. tender panel	425	1.96	831.04	5185	.044	✓ 8-150
3-23-84	62	Area: bag opener	422	2.0	844	2899	.145	✓ 8-150
6-26-84	63	Saniga, E. Trayloader/truck	380	2.0	760	5185	.033	✓ 8-150
6-26-84	64	Villalpando, A. Trayloader	360	2.0	720	4452	.041	✓ 8-150
6-26-84	65	Hastings, F. Strpper	367	2.0	734	3153	.027	✓ 8-150
6-27-84	66	Askew, W. Pipe handler	390	2.0	780	4452	.074	✓ 12-150 line 2
6-27-84	67	Bryant, B. Saw operator	387	2.0	774	5185	.097	✓ Misc. pipe
6-27-84	68	Boyd, D. Wet tester	382	2.0	764	0406	.065	✓ 6-150

CTD022095

DATE	SHEET NUMBER	NAME, POSITION or AREA	TIME	FLOW	VOLUME	PUMP	f/cc	Production Data
6-27-84	69	Bivens, J. Wet tester	382	2.0	764	3153	.090	6-150 cplgs. ✓
6-27-84	70	Avery, A Pipe handler	391	2.0	782	4452	.09	12-150 ✓
6-29-84	71	Palomara, G. 1/4 lathe oper.	375	2.0	750	5185	.063	6-150 1/4 LEO ✓
6-29-84	72	Hojeske, J. Mechanic	362	2.0	724	5153	.032	✓
6-29-84	73	Sanders, O. Truck oper.	444	2.0	888	3155	.021	Miscellaneous lift-truck oper. ✓
6-29-84	74	Silva, T Crusher oper.	410	V O I D	V O I D			✓
6-29-84	75	Garcia, M Inspector	441	2.0	882	0406	.044	12-150 Line 2 ✓
2-22-84	76	Area: west property	266	1.92	510.7	5185	.069	Soil removal 3 loads/36 scoops.
4-27-84	77	Morales, D. Mach. tender	400	2.0	800	3155	.080	8-150 ✓
4-30-84	78	Dobbs, P Boring mill Opr.	421	2.0	842	4452	.106	8-150 cplg. ✓
4-30-84	79	Morales, D. Mach. tender	240	2.0	480	3155	.103	6-150 ✓
4-25-84	80	Area: #2 Munson	431	2.0	862	1617	.074	15"-3000 ✓
4-30-84	81	Area: #2 Munson	266	2.0	532	1617	.139	6-150 ✓
8-3-84	82	Silva, T. Crusher oper.	170	2.0	340	1617	.15	✓
8-1-84	83	Area: #2 Munson	288	2.0	576	2899	.08	14-150 ✓
8-1-84	84	Area: #2 Munson	288	2.0	576	1617	.0789	14.150 ✓
8-2-84	85	Area: Cplg cut- off	394	2.0	788	2899	.117	16-150 cplgs ✓
8-29-84	86	Cantrell, N. Mandrel handler	374	2.0	748	1617	.032	8-150 ✓
8-29-84	87	Rodriguez, P. Mixer operator	388	2.0	776	5185	.13	8-150 ✓
8-29-84	88	Ledford, J. Trayloader	371	2.0	742	3153	.030	8-150 ✓
8-29-84	89	Soncrant, G. Stripper	365	2.0	730	4452	.027	8-150 ✓
8-20-84	90	Area: #2 Munson	342	2.0	784	1617	.075	8-150 ✓

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