

Seq T Name AREA
0001 A Soc Sec
Date 02/04/1976
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn GENERAL
Proc
Job AREA SAMPLE

Equip Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
001 08:30 13:30 300 0.0000 0.2300/ 0.0 0.2300 Y OTHER PEL/Exp Limit OSHA PEL = 2 F/CC
TWA 0.230000 F/CC
Product

Seq T Name AREA
0002 A Soc Sec
Date 02/05/1976
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn GENERAL
Proc
Job AREA SAMPLE

Equip Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
002 08:30 13:30 300 0.0000 0.2900/ 0.0 0.2900 HARRIS, A-#1 MACHINE MACHINE TENDER
TWA 0.290000 F/CC
Product

Seq T Name AREA
0003 A Soc Sec
Date 03/30/1976
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn FINISHING
Proc LINE 2
Job AREA SAMPLE

Equip Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
003 08:30 14:30 360 0.0000 0.1460/ 0.0 0.1500 FLEX TESTER-RUNNING #2 & #3 FIN LINES
TWA 0.150000 F/CC
Product

Seq T Name AREA
0004 A Soc Sec
Date 03/31/1976
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn REMORK SAW
Proc
Job AREA SAMPLE

Equip Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
004 08:15 13:15 300 0.0000 0.2300/ 0.0 0.2300
TWA 0.230000 F/CC
Product

Seq T Name AREA
0005 A Soc Sec
Date 04/01/1976
Shift 1ST 8 HOUR

Dept PRODUCTION
Locn COUPLING SAW
Proc
Job AREA SAMPLE

Equip Samp Start Stop Min LPM Analysis-F/CC Conc-F/CC ST Exp Limit Respirator Comments
005 09:10 14:10 300 0.0000 0.2800/ 0.0 0.2800 PORTER, P
TWA 0.280000 F/CC
Product

Seq T Name AREA
0006 A Soc Sec
Date 04/02/1976
Shift 1st 8 HOUR
Dept PRODUCTION
Locn BORING MILL
Proc LINE 1
Job AREA SAMPLE
Contaminant Asbestos / CEF 37mm .8u /PECAM 239 R=A
TWA 0.110000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

1. Equip Smp 006 Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator Comments
09:40 13:40 240 0.0000 0.1100/ 0.0 0.1100 N DYSON, J

Seq T Name AREA
0007 A Soc Sec
Date 06/01/1976
Shift 1st 8 HOUR
Dept PRODUCTION
Locn GENERAL
Proc
Job AREA SAMPLE
Contaminant Asbestos / CEF 37mm .8u /PECAM 239 R=A
TWA 0.220000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

1. Equip Smp 007 Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator Comments
09:30 14:30 300 0.0000 0.2200/ 0.0 0.2200 Y OTHER EDWARDS, J-WHITE HOU SE

Seq T Name COLE, JAMES L.
0008 P Soc Sec 318-40-8490
Date 06/02/1976
Shift 1st 8 HOUR
Dept PRODUCTION
Locn TRUCK
Proc
Job FORKLIFT OPERATOR
Contaminant Asbestos / CEF 37mm .8u /PECAM 239 R=A
TWA 0.250000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

1. Equip Smp 008 Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator Comments
09:00 10:30 90 0.0000 0.2500/ 0.0 0.2500 N DRIVER LOW LIFT

Seq T Name AREA
0009 A Soc Sec
Date 06/03/1976
Shift 1st 8 HOUR
Dept PRODUCTION
Locn GENERAL
Proc
Job AREA SAMPLE
Contaminant Asbestos / CEF 37mm .8u /PECAM 239 R=A
TWA 0.340000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

1. Equip Smp 009 Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator Comments
09:00 13:30 270 0.0000 0.3400/ 0.0 0.3400 Y OTHER HEFFNER, J; HATCHARD, G; MEDLOCK, E-FIBER UNLOADING

Seq T Name AREA
0010 A Soc Sec
Date 06/08/1976
Shift 1st 8 HOUR
Dept PRODUCTION
Locn LATHE LINE
Proc LINE 2
Job AREA SAMPLE
Contaminant Asbestos / CEF 37mm .8u /PECAM 239 R=A
TWA 0.210000 F/CC
Pel/Exp Limit OSHA PEL = 2 F/CC
Product

1. Equip Smp 010 Start Stop Min LPM Analysis-f/CC Conc-f/CC ST Exp Limit Respirator Comments
08:30 14:00 330 0.0000 0.2100/ 0.0 0.2100 N DEBERRY, H J

CTD018310

=====											
Seq T Name	MELTON, DONALD R.										
0011 P Soc Sec	487-46-0711										
Date	06/09/1976										
Shift	1ST	8 HOUR									

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments	
1.	011	08:30	13:30	300	0.0000	0.0900/	0.0	0.0900	N		
=====											
Seq T Name	AREA										
0012 A Soc Sec											
Date	06/10/1976										
Shift	1ST	8 HOUR									

Equip	Samp	Start	Stop	Min	LPM	Analysis-f/CC	Conc-f/CC	ST Exp Limit	Respirator	Comments	
1.	012	08:15	13:15	300	0.0000	0.2900/	0.0	0.2900	Y OTHER	MASSIE, E-CRUSHER AR EA	
=====											

*** End Of Report *** JABBOURJ

CTD018311

76-1

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS 254 MFG. AREA WHITEHOUSE 2-4-76 8³⁰ AM. D. PFEFFER
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C-115	1003	2-4-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRCEL	60131	80498	0.8U	855 37MM

Weather Conditions ; CLOUDY-COOL Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL (TO NO. 1 PIPE MACHINE)

Personal Protection ; RESPIRATOR

Comments; _____

Sampler; J. FEAR Area Total Sampling Time 300 MINS.

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SURT		7-18-73	0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 48; Fields counted 100; Average 48

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C = \frac{(AFCSM - AFCBM)(SMA)}{(FA)(FR \times ST)(1000)} = \frac{48 \times 37}{0030 \times 2 \times 300 \times 1000} = \frac{48}{1800} = .23$$

Concentration = _____

CONCENTRATION = .23 Fibers GREATER THAN 5UM/CC Slide Number 76-1

Analysts; J. FEAR Microscopist; J. FEAR

CTD018312

76-2

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 MFG. AREA ^{#1 MACH} MACH. TEND. 2-5-76 8:30 AM. A. HARRIS
Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C-115	1003	2-5-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRCEL	60131	80498	0.8U	855 37MM

Weather Conditions; FREZZING RAIN Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection; _____

Comments; _____

Sampler; J FEAR Area Total Sampling Time 5 HRS 300 MIN'S

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	.0030

Blank Medium;
Fibers; _____ counted _____ Fields counted _____ Average _____

Sampling Medium;
Fibers; _____ counted 61 Fields counted 100 Average .61

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C = \frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR)(ST)(1000)} = \frac{.61 \times 855}{.0030 \times 2.0 \times 300 \times 1000} = \frac{522}{1800} = .29$$

Concentration = _____

CONCENTRATION = .29 Fibers GREATER THAN 5MM/CC Slide Number 76-2

Analysts; J FEAR Microscopist; J FEAR

CTD018313

76-3

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #359 F.W. AREA #2 FINLINE
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C-115	1003	3-30-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRICAL	60131	80498	0.8U	855 37 MM

Weather Conditions ; CLOUDY-COOL Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL (RUNNING #2 & #3 FIN. LINES)

Personal Protection ; NONE

Comments;

Sampler; J. FEAR

Area Total Sampling Time 360 MINS.

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	.0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 37; Fields counted 100; Average .37

Concentration = (Average Fiber Count-Sampling Medium - Average Fiber Count Blank Medium) X
 (Sampling Medium Area) + (Field Area) X (Flow Rate X Sampling Time) X
 (1000) OR

$$C = \frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR \times ST)(1000)} = \frac{.37 \times 855}{.0030 \times 2.0 \times 360 \times 1000} = 316.146$$

Concentration =

CONCENTRATION = .146 Fibers GREATER THAN 5 MM/cc Slide Number 76-3

Analysts; J. FEAR

Microscopist; J. FEAR

CTD018314

76-4

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 ^{REWORK} FIN. AREA SAW 3-31-76 E:15A.M. AREA
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C-115	1003	3-31-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRICAL	60131	80498	0.8U	855 37MM

Weather Conditions ; CLOUDY-COOL Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection ; RESPIRATOR

Comments; _____

Sampler; J. FEAR Area Total Sampling Time 5 HRS 300 MINS.

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	.0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 49; Fields counted 100; Average .49

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C = \frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR \times ST)(1000)} = \frac{.49 \times 855}{.0030 \times 2.0 \times 300 \times 1000 \times 1000} = .23$$

Concentration = _____

CONCENTRATION = .23 Fibers GREATER THAN 5 NM/CC Slide Number 76-4

Analysts; J. FEAR Microscopist; J. FEAR

76-5

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 ^{COOP} FIN. AREA SAW 4-1-76 9:10 A.M. P. PORTER
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLER	BENDIX	C-115	1003	4-1-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRICKEL	60131	80498	0.80	855 3744

Weather Conditions : CLEAR COOL Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection; RESPIRATOR

Comments;

Sampler; J. FEAR Area Total Sampling Time 300 MINUTES

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	.0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 59; Fields counted 100; Average .59

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C. = \frac{(AFCSM - AFCBM)(SMA)}{(FA)(FR \times ST)(1000)} = \frac{59 \times 855}{.0030 \times 2.0 \times 300 \times 1000} = \frac{50445}{1800} = .28$$

Concentration = _____

CONCENTRATION = .28 Fibers GREATER THAN 5MM/CC Slide Number 76-5

Analysts; J. FEAR

Microscopist; J. FEAR

CTD018316

AIR SAMPLING DATA SHEET

76-6

CERTAIN-TEED PRODUCTS #259 FIN. AREA #1 BORING HILL 4-2-76 9:40 AM. J. DYSON
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
Air Sample Pump	BENDIX	C115	1003	4-2-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRCEL	60131	80498	0.8U	855 37MM

Weather Conditions ; CLEAR - FAIR Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection ; NONE

Comments; _____

Sampler; J. FEAR Area Total Sampling Time 240 MINS.

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
Microscope	NIKON	SUKT		7-18-73	0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 18; Fields counted 100; Average .18

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C = \frac{(AFCSM - AFCBM)(SMA)}{(FA)(FR \times ST)(1000)} = \frac{.18 \times 8.55}{.0030 \times 2.0 \times 240 \times 1000} = 154 = .11$$

Concentration = _____

CONCENTRATION = .11 Fibers GREATER THAN 500/CC Slide Number 76-6

Analysts; J. FEAR Microscopist; J. FEAR

CTD018317

76-7

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 HFE HFA WHITE HOUSE 6-1-76 9:30AM J. EDWARDS
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C115	1003	6-1-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRICAL	60131	80498	0.80	855 3744

Weather Conditions ; CLOUDY WARM Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection ; RESPIRATOR

Comments; _____

Sampler; J. FEAR

Area Total Sampling Time 300 MINS

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	.0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 47; Fields counted 100; Average .47

Concentration = (Average Fiber Count-Sampling Medium - Average Fiber Count Blank Medium) X
 (Sampling Medium Area) + (Field Area) X (Flow Rate X Sampling Time) X
 (1000) OR

C. = $\frac{(AFCSM-AFCBM)(SMA)}{(FA)(FR)(ST)(1000)}$ $\frac{.47 \times 855}{.0030 \times 2.0 \times 300 \times 100}$ = 402.22
 1800

Concentration = _____

CONCENTRATION = .22 Fibers GREATER THAN 5/M/CC Slide Number 76-7

Analysts; J. FEAR Microscopist; J. FEAR

CTD018318

76-8

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 P.N. PER. (DRIVER LOWLIFT) 6-2-76 9:00 A.M. J. COLE
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C115	1003	6-2-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METREX	60131	80498	0.8U	855 37MM

Weather Conditions ; CLOUDY COOL Time Log Min.

Ventilation Controls; NONE

Operating Conditions; NORMAL

Personal Protection ; NONE

Comments;

Sampler; J. FEAR

Area Total Sampling Time 90 MINS.

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 16; Fields counted 100; Average .16

Concentration = $\frac{\text{Average Fiber Count Sampling Medium} - \text{Average Fiber Count Blank Medium}}{\text{Sampling Medium Area} \div (\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C. = \frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR)(ST)(1000)} = \frac{.16 \times 855}{.0030 \times 2.0 \times 90 \times 1000} = \frac{137}{540} = .25$$

Concentration = _____

CONCENTRATION = .25 Fibers GREATER THAN 5MM/CC Slide Number 76-8

Analysts; J. FEAR

Microscopist; J. FEAR

CTD018319

76-9

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 SERVICE AREA FIBER UNLOADING 6-3-76 9:00 A.M.
 Plant Dept. Type Location Date Time J. HEFFNER
 G. HARKARD
 E. NEDLOCK
 Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C-115	1003	6-3-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRCEL	60131	80498	0.80	855 37 MM

Weather Conditions ; CLEAR COOL Time Log Min.

Ventilation Controls; NONE

Operating Conditions; NORMAL

Personal Protection ; RESPIRATOR

Comments; _____

Sampler; J. FEAR Area Total Sampling Time 270 MINS.

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT		7-18-73	.0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 64; Fields counted 100; Average .64

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C = \frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR \times ST)(1000)} = \frac{.64 \times 855}{.0030 \times 2.0 \times 270 \times 1000} = \frac{547}{1620} = .34$$

Concentration = _____

CONCENTRATION = .34 Fibers GREATER THAN 5MM/CC Slide Number 76-9

Analysts; J. FEAR Microscopist; J. FEAR

CTD018320

76-10

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 ^{#2} FIN AREA LATHE OPER. 6-8-76 8:30 AM. H. J. DE BERRY
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C115	1003	6-8-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRICAL	60131	80498	0.8 U	855 37MM

Weather Conditions ; CLEAR WARM Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection ; NONE

Comments; _____

Sampler; J. FEAR

Area Total Sampling Time 5 1/2 HRS

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT	-	7-18-73	10030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 54; Fields counted 100; Average .54

Concentration = (Average Fiber Count-Sampling Medium - Average Fiber Count Blank Medium) X
 (Sampling Medium Area) ÷ (Field Area) X (Flow Rate X Sampling Time) X
 (1000) OR

C. = $\frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR \times ST)(1000)}$ $\frac{.54 \times 855}{.0030 \times 2.0 \times 360 \times 1000} = 462.21$

Concentration = _____

CONCENTRATION = .21 Fibers GREATER THAN 5MM/CC Slide Number 76-10

Analysts; J. FEAR

Microscopist; J. FEAR

CTD018321

76-11

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS

#259 SHPG. PERS. TRUCK OPER 6-9-76 8:30 A.M. J. MELTON
Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP		C115	1003	6-9-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRCEL	60131	80498	0.8U	855 37MM

Weather Conditions ; CLEAR WARM Time Log Min.Ventilation Controls; NONEOperating Conditions; NORMALPersonal Protection ; NONE

Comments;

Sampler; J. FEARArea Total Sampling Time 5 HRS

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SUKT	-	7-8-73	.0030

Blank Medium;
Fibers; _____ counted _____; Fields counted _____; Average _____Sampling Medium;
Fibers; _____ counted 18; Fields counted 100; Average .18Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ ORC. = $\frac{(\text{AFCSM} - \text{AFCEM})(\text{SMA})}{(\text{FA})(\text{FR} \times \text{ST})(1000)}$ $\frac{.18 \times 855}{.0030 \times 2.0 \times 300 \times 1000} = 154.09$

Concentration =

CONCENTRATION = .09 Fibers GREATER THAN 5MM/CC Slide Number 76-11Analysts; J. FEARMicroscopist; J. FEAR

CTD018322

76-12

AIR SAMPLING DATA SHEET

CERTAIN-TEED PRODUCTS #259 FIN. AREA CRUSHER 6-10-76 8:15 A.M. E. MASSIE
 Plant Dept. Type Location Date Time Employee

Instrument	Manufacturer	Model	Serial Number	Calibrated	Flow Rate
AIR SAMPLE PUMP	BENDIX	C115	1003	6-10-76	2.0 LITERS

Sampling Medium	Manufacturer	Part Number	Batch Number	Pore Size	Area
FILTER	METRCEL	60131	80498	0.8U	855 37MM

Weather Conditions ; CLEAR WARM Time Log Min.

Ventilation Controls; DUST COLLECTOR

Operating Conditions; NORMAL

Personal Protection ; RESPIRATOR

Comments; _____

Sampler; J. FEAR

Area Total Sampling Time 5 HRS

ANALYSIS

Instrument	Manufacturer	Model	Serial Number	Calibrated	Field Area
MICROSCOPE	NIKON	SOKT	-	7-18-73	.0030

Blank Medium;
 Fibers; _____ counted _____; Fields counted _____; Average _____

Sampling Medium;
 Fibers; _____ counted 62; Fields counted 100; Average .62

Concentration = $\frac{(\text{Average Fiber Count-Sampling Medium} - \text{Average Fiber Count Blank Medium}) \times (\text{Sampling Medium Area})}{(\text{Field Area}) \times (\text{Flow Rate} \times \text{Sampling Time}) \times (1000)}$ OR

$$C = \frac{(AFCSM - AFCEM)(SMA)}{(FA)(FR)(ST)(1000)} = \frac{.62 \times 855}{.0030 \times 2.0 \times 3600 \times 1000} = \frac{530.29}{1800}$$

Concentration = _____

CONCENTRATION = .29 Fibers GREATER THAN 5MM/CC Slide Number 76-12

Analysts; J. FEAR

Microscopist; J. FEAR

CTD018323

ST. LOUIS AIR SAMPLES - 1976

in computer
checked & corrected

7/18/95.

76-PT-10