



CERTAIN-TEED PRODUCTS CORPORATION

RM

VF Corp. #1	Ambler Pipe Plant
ATTENTION OF: Mr. M. Feldman	DATE December 15, 1977
ANSWERING YOURS:	DICTATED BY: <i>W. R. Magers</i> W. R. Magers/lb
SUBJECT: <u>Asbestos Dust Counts</u>	

Attached are the records of all dust counts taken at the Ambler Plant from the time the method of taking dust counts was prescribed up until the present. The front three (3) sheets are a summary of the results recorded on the Monitoring Reports. If there are any questions, please call me at any time.

JDK		INSURANCE DEPT.	1 YR	
MRP			3 YR	
DEC 16 1977				
RAH		RETAIN	5 YR	
HK			PERM	

*Insured & Maint. Du
Mach. in Ind. Mfg. Co.
Cert. Center. at
Plant & Maint. Protection*

C:-

PLAINTIFF'S EXHIBIT

CT-766

DUST SAMPLING RECORD

Material Analyzed - Asbestos

Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter or Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
FIBER RR CAR #1 UNLOADING	3.651 (Area Sample .56 .14	4-75 3-76 9-77	I/S Car)					
FIBER STORAGE #2 WAREHOUSE	.03	3-77						
FIBER DUMP #3 STATION	<1.0 .15 2.13 1.83 1.96 1.72	12-71 11-72 2-72 2-73 2-73 2-73	1-79 .19 .79 .48 1.49 3.20	2-73 2-74 3-74 1-75 6-75 10-75	.83 .96 .83 .96	2-76 12-76 9-77 11-77		
Dry MIXING #4 SYSTEM								
TRAY LOADING #5 AREA	.25 .06	3-76 6-77						
M.E.O #6 LATHE #1	.23 .74 .28	1-76 3-76 3-77						

REMARKS: #1 - 4/75 Sample Take inside So African Container with pump remaining in container 100% of time.

DUST SAMPLING RECORD

Material Analyzed - Asbestos

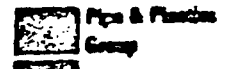
Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter or Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
#7 M.E.O. LATHE	2.45	2-73	.54	9-77				
	1.48	2-73	.17	11-77				
	1.35	2-73						
	.66	1-75						
	.13	1-76						
	.24	2-77						
#8 M.E.O. LATHE	1.0	12-71						
	.20	11-72						
	.67	2-76						
	.70	1-77						
	.68	9-77						
#9 COUPLING CUT OFF MACHINE	No machine at Ambler							
#10 COUPLING CUT OFF SAW	1.0	12-71	.10	3-74	1.18	11-75	.52	11-77
	.36	11-72	.69	1-75	.84	3-76		
	1.96	2-73	.79	6-75	.55	3-76		
	1.30	2-73	1.72	7-75	.55	12-76		
	2.55	2-73	2.23	7-75	.70	9-77		
	.13	3-74	1.12	7-75	2.48	9-77		
	1.0	12-71	.81	11-75	1.01	11-77		
	.60	11-72	er					
#11 REWORK SAW Dry	2.04	2-73	.49	12-76				
	1.88	2-73	3.59	9-77				
	3.36	2-73	1.53	9-77				
	.35	1-75						
	1.13	11-75	1.09	9-77				
#12 REWORK SAW WET	2.87	2-76						
	1.01	2-76						
	.62	3-77						
	.63	11-77						

REMARKS:



CTD006815

DUST SAMPLING RECORD

Material Analyzed - Asbestos

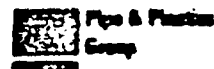
Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter of Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
SHORT LENGTH	.11	11-72	.27	11-77				
M.E.O.	1.06	2-73						
#13	.65	2-73						
LATHE	1.69	1-76						
LEHMAN	.74	1-77						
	1.33	9-77						
COUPLING	<1.0	12-71	.23	3-77				
BORING	.40	11-72						
#14 MILL #1	1.46	2-73						
	1.34	11-75						
30" #15	.51	1-76						
	1.05	2-76						
COUPLING	2.79	2-73	.10	11-77				
BORING	3.12	2-73						
#15 MILL #2	.41	1-75						
	.19	1-76						
30" #16	.66	1-76						
	.61	2-77						
COUPLING BORING #16 X-Mill #3 Waste Dump 30" Bull Dozer	Not at Plant #258 Ambler.							
COUPLING	1.0	12-71						
BORING MILL	.44	11-72						
#17 #1 - 42"	.80	2-73						
	1.42	2-73						
#54	.60	1-75						
	.34	1-77						
F.M. LATHE	.29	11-72	.19	4-76				
SMALL			.21	6-77				
#18	.98	2-73	.11	11-77				
NEBEL	1.14	11-75						
	1.36	1-76						

REMARKS:



CTD006816

DUST SAMPLING RECORD

Material Analyzed - Asbestos

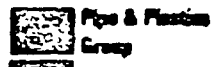
Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter or Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
UNIVERSAL DRILL #19 (No F.M. Large Lathe at Ambler)	.80 1.64 1.91 .51	12-75 1-77 1-77 9-77	.70	11-77				
SPECIALTY LATHE #20 SEBASTION	.63 .45 .47 1.56	2-73 1-75 1-76 3-76						
PENCIL SHARPENER #21 LATHE	3.23 1.80 .50 .54 .58	2-73 2-73 1-75 1-76 2-77	.57	9-77				
FITTINGS DRILLS #22 KORITS	1.56 1.29 1.62 .53	11-75 11-75 1-77 11-77						
FITTINGS SAW #23 O'MARK	2.87 .17	2-76 9-77						
SCRAP #24 CRUSHER	1.0 .30 3.04 4.82 1.91 1.63	12-71 11-72 2-73 2-73 2-73 2-73	.49 .88 .47 1.13 .64 .71	1-75 8-75 1-76 12-76 9-77 11-77				

REMARKS: Sample Taken 8/9/77 - Q.C. Lab Technician sampling Fibers - 1.5 fibers/cc
10% of time spent on this operation



CTD006817

DUST SAMPLING RECORD

Material Analyzed - Asbestos

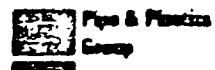
Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter or Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
FIBER RR CAR #1 UNLOADING	3.651 (Area Sample) .56 .14	4-75 3-76 9-77	I/S Car)					
FIBER STORAGE #2 WAREHOUSE	.03	3-77						
FIBER DUMP #3 STATION	<1.0 .15 2.13 1.83 1.96 1.72	12-71 11-72 2-72 2-73 2-73 2-73	1-79 .19 .79 .48 1.49 3.20	2-73 2-74 3-74 1-75 6-75 10-75	.83 .96 .83 .96	2-76 2-76 9-77 11-77		
Dry MIXING #4 SYSTEM								
TRAY LOADING #5 AREA	.25 .06	3-76 6-77						
M.E.O #6 LATHE #1	.28 .74 .28	1-76 3-76 3-77						

REMARKS: #1 - 4/75 Sample Take inside So African Container with pump remaining in container 100% of time.



CTD006818

DUST SAMPLING RECORD

Material Analyzed - Asbestos

Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter or Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
#7 M.E.O. LATHE	2.45	2-73	.54	9-77				
	1.48	2-73	.17	11-77				
	1.35	2-73						
	.66	1-75						
	.13	1-76						
#2	.29	2-77						
#8 M.E.O. LATHE	1.0	12-71						
	.20	11-72						
	.67	2-76						
	.70	1-77						
	.68	9-77						
#9 COUPLING CUT OFF MACHINE	No machine at Ambler							
#10 COUPLING CUT OFF SAW	1.0	12-71	.10	3-74	1.18	11-75	.52	11-77
	.36	11-72	.69	1-75	.84	3-76		
	1.96	2-73	.79	6-75	.55	3-76		
	1.30	2-73	1.72	7-75	.55	12-76		
	2.55	2-73	2.23	7-75	.70	9-77		
	.13	3-74	1.12	7-75	2.44	9-77		
#11 REWORK SAW Dry	1.0	12-71	.81	11-75	1.01	11-77		
	.60	11-72	er					
	2.04	2-73	.49	12-75				
	1.88	2-73	3.59	9-77				
	3.36	2-73	1.53	9-77				
	.30	1-75						
	1.13	11-75	1.09	9-77				
#12 REWORK SAW WET	2.07	2-76						
	1.01	2-76						
	.62	3-77						
	.63	11-77						

REMARKS:



CTD006819

DUST SAMPLING RECORD

Material Analyzed - Asbestos

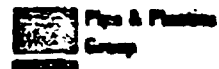
Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter or Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
SHORT LENGTH M.E.O. #13 LATHE LEHMAN	.11	11-72	.27	11-77				
	1.06	2-73						
	.65	2-73						
	1.69	1-76						
	.74	1-77						
	1.33	9-77						
COUPLING BORING #14 MILL #1 30" #15	1.0	12-71	.23	3-77				
	.40	11-72						
	1.46	2-73						
	1.34	11-75						
	.51	1-76						
	1.05	2-76						
COUPLING BORING #15 MILL #2 30" #16	2.79	2-73	.10	11-77				
	3.12	2-73						
	.41	1-75						
	.19	1-76						
	.66	1-76						
	.61	2-77						
COUPLING BORING Not at Plant #258 Ambler. #16 X-Mill #3 Waste Dump 30" Bull Dozer								
COUPLING BORING MILL #17 #1 - 42" #54	1.0	12-71						
	.44	11-72						
	.80	2-73						
	1.42	2-73						
	.60	1-75						
	.34	1-77						
F.M. LATHE SMALL #18 NEBEL	.29	11-72	.19	4-76				
			.21	6-77				
			.11	11-77				
	.98	2-73						
	1.14	11-75						
	1.36	1-76						

REMARKS:



CTD006820

DUST SAMPLING RECORD

Material Analyzed - Asbestos

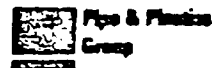
Model S

Filter 37 mm Millipore Field Monitor with Filter

1.7 L/Min

LOCATION	Test Results - Fibers per Cubic Centimeter of Air							
	Fibers	Date	Fibers	Date	Fibers	Date	Fibers	Date
UNIVERSAL DRILL #19 (No F.M. Large Lathe at Ambler)	.80 1.64 1.91 .51	12-75 1-77 1-77 9-77	.70	11-77				
SPECIALTY LATHE #20 SEBASTION	.63 .45 .47 1.56	2-73 1-75 1-76 3-76						
PENCIL SHARPENER #21 LATHE	3.23 1.80 .50 .54 .58	2-73 2-73 1-75 1-76 2-77	.37	9-77				
FITTINGS DRILLS #22 KORITS	1.56 1.29 1.62 .53	11-75 11-75 1-77 11-77						
FITTINGS SAW #23 O'MARK	2.87 .17	2-76 9-77						
SCRAP #24 CRUSHER	1.0 .30 3.04 4.82 1.91 1.63	12-71 11-72 2-73 2-73 2-73 2-73	.49 .88 .47 1.13 .64 .71	1-75 8-75 1-76 2-76 9-77 11-77				

REMARKS: Sample Taken 8/9/77 - Q.C. Lab Technician sampling Fiber - 1.5 fibers/cc
10% of time spent on this operation



OCTOBER - 1972

by A. Hedush.
Ind. Hygienist - OSHA

Location	Results. Fibers per ML Asbestos
Tester Oper #2 Line	2.45 - 1.48
Lathe Oper #2 Line	1.27
Lathe Oper #1 Line	1.35
Fiber Mixer	2.13 - 1.83 - 1.96 - 1.72 - 1.79
Fiber Crusher	3.04 - 4.82 - 1.91 - 1.63
Boring Mill	1.46
Coupling Saw	1.96 - 1.30 - 2.55
#42 Boring Mill	.80 - 1.42
#15 Boring Mill	2.79 - 3.12
Rework Saw	2.04 - 1.88 - 3.36
Rework Saw Helper	2.52 - 2.29 - 1.75
Pencil Sharpener Lathe	3.23 - 1.80
Lehman & Nobel (Lamp)	1.06
Sebastian Lathe	.63
Lehman Lathe	.65 - 2.27
Nobel Lathe	.98

Per Mr. Donald Allendorf over the phone
confirmation may be obtained by
calling U.S. Dept of Labor, 1317 Filbert St.
215-597-4955-(56 or 57)

Tests were taken in the respiratory
area using a sampling pump
and an open face filter

CTD006822

Engineering
INDUSTRIAL HYGIENE ANALYSIS REPORT

CHEMICAL, ENVIRONMENTAL &
PRODUCT EVALUATION UNIT

ANALYSIS NO. 188-72(12)	CUSTOMER Certain Teed	ADDRESS Ambler, Pa.	
SAMPLE SENT BY Peters (Wilms)	DATE RECEIVED 12/7/72	DATE REPORTED 1/3/73	ANALYST

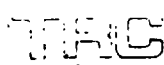
Asbestos

SAMPLE NUMBER	LOCATION	TEST RESULTS	THRESHOLD LIMIT VALUE (TLV)
1051	#9 Coupling Saw	0.75 mg 620 L 1.2 mg/M ³ total particulate 0.36 fibers/ml asbestos	5 fibers/ml >5μ in length asbes
1055	#10 Rework saw	0.92 mg 520 L 1.8 mg/M ³ total particulate 0.60 fibers/ml asbestos	5 fibers/ml >5μ in length asbesto
1061	Asbestos mixer elevator	0.42 mg 616 L 0.68 mg/M ³ total particulate 0.15 fibers/ml asbestos	5 fibers/ml >5μ in length asbesto
1062	Nebel - F.M. Lathe	2.08 mg 600 L 3.5 mg/M ³ total particulate 0.29 fibers/ml asbestos	5 fibers/ml >5μ in length asbesto
1067	Lehman Lathe #7	0.46 mg 628 L 0.73 mg/M ³ total particulate 0.11 fibers/ml asbestos	5 fibers/ml >5μ in length asbesto

ANALYTICAL METHOD

Gravimetric analysis
Microscopy

CTD006823



Chemical Laboratory

REPORT OF ANALYSIS

CLIENT: <u>Certain Teed Prod. Corp.</u>	ANALYSIS NUMBER: <u>71C31008</u>
ADDRESS: <u>Ambler, Pa.</u>	DATE RECEIVED: <u>12/14/71</u>
<u>Wilms</u>	<u>1/3/72</u>
SAMPLE SENT BY: _____	DATE REPORTED: _____
SAMPLE DESCRIPTION: <u>Respirable/Dust</u>	ANALYST: <u>M. A. Geoffroy</u>

Results:

A. Dust, SiO₂

- #3 - Coupling Mill - less than 1% free SiO₂. Less than .02 mg/M³
- #6 - Cut-off Saw - less than 1% free SiO₂. Less than .02 mg/M³
- #9 - Scrap Crusher - less than 1% free SiO₂. Less than .02 mg/M³
- #11 - Finishing Dept. - less than 1% free SiO₂. Less than .02 mg/M³
- #12 - Chicks Mill Couplings - less than 1% free SiO₂. Less than .02 mg/M³
- #13 - #3 Line Lathe Operator - less than 1% free SiO₂. Less than .01 mg/M³
- #15 - Mixing Hopper - less than 1% free SiO₂. .06 mg/M³ dust.
- #16 - Coupling Cut-off Saw #9 - less than 1% free SiO₂. Less than .02 mg/M³

B. Asbestos Count

- #3 - less than 1 fiber per ml
- #6 - less than 1 fiber per ml
- #9 - less than 1 fiber per ml
- #11 - less than 1 fiber per ml
- #12 - less than 1 fiber per ml
- #13 - less than 1 fiber per ml
- #15 - less than 1 fiber per ml
- #16 - less than 1 fiber per ml

ANALYSIS NO.	CUSTOMER	ADDRESS	
SAMPLE SENT BY	DATE RECEIVED	DATE REPORTED	ANALYST
MATERIAL ANALYZED			

SAMPLE NUMBER	LOCATION	TEST RESULTS	THRESHOLD LIMIT VALUE (TLV)
1070	#17 Coupling Lathe	0.86 mg 590 L 1.5 mg/M ³ total particulate 0.40 fibers/ml asbestos	5 fibers/ml >5 μ in length asbestos
1085	42" Boring mill	1.05 mg 540 L 1.9 mg/M ³ total particulate 0.44 fibers/ml asbestos	5 fibers/ml >5 μ in length asbestos
1078	#3 Line finishing lathe	1.05 mg 540 L 1.9 mg/M ³ total particulate 0.26 fibers/ml asbestos	5 fibers/ml >5 μ in length asbestos
1073	Fines - scrap crusher	0.81 mg 600 L 1.4 mg/M ³ total particulate 0.30 fibers/ml asbestos	5 fibers/ml >5 μ in length asbestos

ANALYTICAL METHOD

CTD006825

**THE TRAVELERS INSURANCE COMPANIES
HARTFORD, CONNECTICUT 06115**

A. SAMPLING MEDIUM	D. REASON FOR SURVEY
	<i>routine Test</i>
B. MATERIAL SAMPLED	
<i>Asbestos</i>	

ANALYSIS REQUIRED	Percent of Asbestos
1. ANALYSIS REQUIRED	Percent of Asbestos

OFFICE	PH. # 258	ENGINEER	W. R. Magers	SIGNATURE	W. R. Magers	DATE SIGNED	1-9-74
--------	-----------	----------	--------------	-----------	--------------	-------------	--------

C-15826 NE, 112 PRINTED IN U.S.A.



**THE TRAVELERS INSURANCE COMPANIES
HARTFORD, CONNECTICUT 06115**



INSURED		LOCATION	CERTIFICATE		DATE OF SURVEY			
			Ambler Pit # 258		3-29-74			
INSTRUMENTATION USED								
INSTRUMENT	MANUFACTURER	MODEL	SERIAL NUMBER	TIC NO.				
Portable Personal Pump	M.S.A.	Model S	Part No 838475					
D. REASON FOR SURVEY								
Periodical 6 mos sample.								
A. SAMPLING MEDIUM								
Asbestos								
B. MATERIAL SAMPLED								
Percent of Asbestos								
C. ANALYSIS REQUIRED								
SAMPLE DATA								
SAMPLE NUMBER	SAMPLING LOCATION	SAMPLING TIME	FLOW RATE	SAMPLER POSITION	NUMBER OF PERSONS EXPOSED	EXPOSURE TIME	TYPE OF CONTROLS	COMMENTS
2	Compiling Saw - Tom Moore	1.0 HR.	1.7	B. Z	1	7 HRS	Respirator & Dust collector	6" Elbow Stock - 1/2 hr
2 1/2	Compiling Saw "	2.7 HRS.	1.7	B. Z	1	7 HRS	Respirator & Dust collector	" " " " - 1 hr
3	Mixer Man - F. Lee Elevator Room Jenkins	1.5 HR.	1.7	B. Z	1	7 HRS	Respirator & Dust collector	None
4	Mixer Man - F. Lee Elevator C. Williams	3.7 HRS	1.7	B. Z	1	7 HRS.	Respirator & Dust collector	None
CTD006827								
OFFICE		ENGINEER	SIGNATURE		DATE SIGNED			
		W. R. Mayers	W. R. Mayers		3-29-74			

CTD006827

PLANT # 258 Ambler

ASBESTOS MONITORING REPORT

DATE 1/7/75 → 1/10/75

PERSONAL PUMP MSA MODEL S NO. 458.475

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
11	#16 Boring Mill	C. Handschin	1.7	8:16-9:59	87%	Dust Collector Respirator	.41	1/7/75
7	Rework Saw	Ball	1.7	10:30-19m. (2:147 min)	81%	Dust Collector Respirator	.35	1/7/75
1	Fiber Mixer	Jackson	1.7	2:01-3:41 (100 min)	87%	Dust Collector Respirator	.48	1/7/75
2	Scrap Crusher	De Maria	1.7	6:30-9:30 (165 min)	60%	Dust Collector	.49	1/8/75
6	Cplg. Saw Operator	E. Cupid	1.7	10:30-1:30 (160 min)	81%	Dust Collector Respirator	.69	1/8/75
5	Pencil Sharpener	E. Moore	1.7	6:10-9:55 (210 min)	80%	Dust Collector Respirator	.50	1/9/75
9	42" Boring Mill	Harry Meyer	1.7	10:24-1:30 (146 min)	80%	Dust Collector	.60	1/9/75
12	#4 Horiz. Boring Mill	L. Di'Amico	1.7	2:04-3:49 (160 min)	87%	Dust Collector Respirator	.20	1/9/75
13	Sebastian Lathe	J. Da Silva	1.7	6:15-10:00 (2:09 min)	85%	Dust Collector	.45	1/10/75
3	#2 Finishing Line	A. D'Clarico	1.7	10:40-1:20 (145 min)	85%	Dust Collector	.66	1/10/75
4	#3 Finishing Line		1.7			Dust Collector		1/10/75

REMARKS:

Plant Operation - normal
 Shifts Sampled - 1st & 2nd
 Weather Conditions - cloudy & rainy



PLANT Ambler # 258

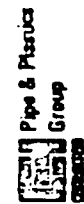
ASBESTOS MONITORING REPORT

DATE 8-15-75

PERSONAL PUMP MSA MODEL S NO. 458,473

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
2	Scrap Crusher	F. De Maria	1.7	76 Min	50%	Respirator Dust collection	88	8-15-75

REMARKS:



ASBESTOS MONITORING REPORT

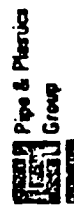
PLANT Ambler 259

PERSONAL PUMP MSA MODEL S NO. 458,475 DATE 11-21-75

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
14	Noble Batching	Da Silva	1.7	55 min	75%	Dust Collector	1.14	11-16-75
16	Koritt Drill	H. Dukes	1.7	75 min	75%	Mask	1.56	11-16-75
2a	Remwork Saw - Oper.	187. J. DIAZ	1.7	85 min	60%	Dust Collector + mask	1.13	11-18-75
7b	Remwork Saw - Helper	237 D. Rodriguez	1.7	65 min	60%	Dust Collector	.81	11-18-75
6	Coupling Saw	E. Cupid	1.7	90 min	80%	Dust Col. + mask	1.18	11-19-75
16b	Koritt Drill	H. Dukes	1.7	60 min	75%	Mask	1.29	11-21-75

CTD006830

REMARKS:



D

D

PLANT Ambler # 258

ASBESTOS MONITORING REPORT

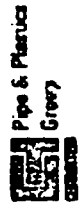
PERSONAL PUMP MSA MODEL S NO. 455-474 DATE

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
19	Universal Drill Drill 6" wge. 45%	S. D'Amore	1.7	85 min	70%	Dust Collector	.80	12-16-75
12	#1 Lathes 5' long - 9" 2400 rpm	Taleese	1.7	84 min	70%	Dust collector	.28	1-6-76
11	#16 Boring Mill 8" Duplex Adaptor	G. Meyers	1.7	100 min	70%	Dust Collector & Hood	.19	1-16-76
10	" 15 Boring Mill	F. Marincola	1.7	98 min	70%	Dust Collector & Hood	.51	1-19-76
14	Nebel Latho	Jeff Harris	1.7	108 min	65%	Dust Collector	1.36	1-19-76
15	Lehman Latho	G. Meyers	1.7	91 min	65%	Dust Collector	.69	1-20-76
11	#16 Sply. Boring mill	C. Handschin	1.7	101 min	75%	Dust Col.	.66	1-20-76
3	#2 Finishing Line	A DeClerico	1.7	98 min	65%	Dust Col.	.13	1-21-76

REMARKS:

Dust collectors on Nebel and Lehman Lathes allow excessive chips to escape #14 & 15 - and when operators use emery cloth on pipe fine respirable dust is released increasing concentration on samples.

#11 - Dust Sample on 1-16-76 was taken when operator produced at a very low production rate.



CTD006831

ASBESTOS MONITORING REPORT

DATE 2-13-76

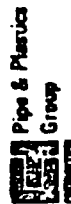
PLANT Address # 258

NO. 458,474

PERSONAL PUMP MSA MODEL S

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
5	Pencil Sharpener Mach. End. 6" wye Branch	Edgar Moore	1.7	100 min	80%	Dust hood & Dust Collector Respirator	54	1-23-76
13	Sebastian Specialty Machine BOD-6" Branches	Angel Montaño	1.7	101 min	75%	Dust Collector	47	1-27-76
2	Scrap Crusher	Salvador Bruni	1.7	95 min	75%	Dust Collector Respirator	1.17	1-28-76
8	Wet Saw	Daryl Rush	1.7	98 min	50%	Dust Collector	2.67	2-6-76
10	#15 Boring Mill	Frank Marincola	1.7	135 min	80%	Dust Collector Hood	1.83	2-10-76
1	Mixer Man	Skip Young	1.7	125 min	80%	Dust Collector Hood	0	2-10-76
10	#15 Boring Mill	Frank Marincola	1.7	103 min	80%	Dust hood & collector	1.05	2-12-76
1	Mixer Man	Skip Young	1.7	90 min	80%	Dust Hood & Respirator	.83	2-13-76
8	Wet Saw	S Hinkle	1.7	100 min	75%	Dust Collector wet	1.01	2-16-76

REMARKS: Cassette used for #15 Boring Mill on 2-10-76 got mixed and used again on fiber mixer. #10 - Boring Mill #15 has new sides & partial door. Operator ran with door tied up in front. New sides restricted any air flow over sides.



8D

PLANT Amblee # 258

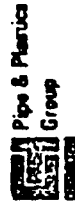
ASBESTOS MONITORING REPORT

DATE 3-18-76PERSONAL PUMP MSA MODEL S NO. 458,477

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
20	Drunk Saw 6" 90° Elbow	Faith Combee	1.7	100 min	75%	Water only	2.87	2-23-76
4	Line 3 Lath 16" 5000 pipe	A. Camacho	1.7	102 min	66%	Dust Collector	.67	2-25-76
12	Pl Finishing Lath	J. Angelichio	1.7	60 min	70%	Dust Collector	.74	3-5-76
5 new	Tony Leader Area	R Jackson	1.7	105 min	65%	None	.25	3-9-76
20 new	Sebastian Lath	A. Montalvo	1.7	98 min	75%	Dust Collector	1.56	3-10-76
X	Office - Production + Scheduling Desk	D. Barndt (Area Sample)	1.7	135 min	75%	None	.11	3-10-76
1	Rail Road Car Unloading	A. Giradi	1.7	114 min	95%	None Binge Sanked	.56	3-16-76
10	Coupling Cut Off Saw	E. Cupid	1.7	98 min	75%	Respirator Dust Collector	.84	3-18-76

REMARKS: 10. - Cplg Cut off - Larger hose & dust catcher added behind saw since last sample.

CTD006833



(b)

PLANT Ambler # 258

ASBESTOS MONITORING REPORT

DATE 3-13-76

NO. 458477

PERSONAL PUMP MSA MODEL S

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
7	#2 Line - Finishing Lathe	Arcen Sample - Above Cutters on Head Stock	1.7	135 min	70%	Dust Hood	.12	3-22-76
10	#9 Copying Cut off Saw	Earnest Cupid	1.7	95 min	80%	Dust collector and respirator	.55	3-29-76
18	Nobel Lathe	Wm Barnett	1.7	82 min	70%	Dust Collector	.19	4-5-76
13	Lehman Lathe	John DeSilva	1.7	100 min	70%	Dust Collector	1.00	4-6-76
1	Fiber Unloading Russian Container	Antonio Givadi	1.7	59 min	60%	None	.53	5-11-76
7a.	#2 Line - Finishing Tester Operator	DeNardo	1.7	105 min	70%	None	1.3	4-30-76

CTD006834

REMARKS: #7. New dust hood enclosure installed.

#10. Sample taken with transparent enclosure curtains hanging on 4 sides. Noise barrier mainly

#13 & #18 - Both were machining FM 150 pipe. However where man on Nobel did not hand sand surface the dust count was much lower. (A possibility of dust source of Pipe & Plastic Group)

#7a. Dust collector in pipe and when pipe rolls into pipe sitting on rail, dust flies.

4D

PLANT Ambler ASBESTOS MONITORING REPORT
 PERSONAL PUMP MSA MODEL S NO. 458,475 DATE 5-17-76

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
16 X	Dump - operator	out Side Contractor	1.7	115 min	95%	None	.59	5-17-76
16 X	Dump - Perimeter Check	W. Magers	1.7	60 min	0%	None	.50	5-17-76
#18	Nebel Lake	John DaSilva	1.7	90 min	70%	Dust Collector	.17	5-17-76

REMARKS: 16 X - Dust arose when Dozer climbed and moved stack of scrap pipe. - Perimeter check was at ground level toward windward side of crushed pipe.



CTD006835

PLANT # 258 - Ambler

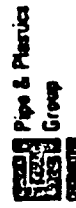
ASBESTOS MONITORING REPORT

DATE 5-21-76

PERSONAL PUMP MSA MODEL S NO. 458474

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
24	Scrap Crusher	John Barbano	1.7	110 min	70%	Respirator & Dust Collector	.55	5-20-76
6	MEO Lathe # 1	F. Talcse A. Cannasano	1.7		75%	Dust Collector		5-21-76

REMARKS:



CTD006836

PLANT Ambler

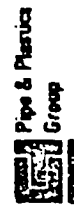
ASBESTOS MONITORING REPORT

DATE 12-22-76

PERSONAL PUMP MSA MODEL S NO. 458475

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
10	Coupling Saw # 9	Ernest Cupid	1.7	2 HRS 7 min	80%	Dust Collector Respirator	VOID-filter Dropped out of Cassette	12-7-76
10	Coupling Saw # 9	John Barbano	1.7	2:05 PM - 3:58 PM 109 Min.	80%	Dust Collector Respirator	.55	12-20-76
3	Mixer Man	Augusta Simoe	1.7	8:35 AM - 11:15 AM 161 min	50%	Respirator Dust Collector	.96	12-21-76
24	Scrap Crusher	Mike McCarthy	1.7	11:22 AM - 1:58 PM 134 min	75%	Respirator Dust Collector	1.13	12-21-76
11	Rework Saw	José Diaz - Operator	1.7	8:13 AM - 10:08 PM 185 min	60%	Respirator Dust Collector	.49	12-22-76

REMARKS: Scrap Crusher area dusty - Operator was emptying hoppers etc.



CTD006837

PLANT Ambler #258

ASBESTOS MONITORING REPORT

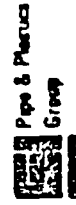
PERSONAL PUMP MSA MODEL S

NO. 458 47A

DATE 2-11-77

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
17	42" Boring Mill	Antonio Lorenzo	1.7	102 min	80%	Dust Hood & Dust Collector	.34	1-3-77
19	Universal Drill	Joseph D'Amore	1.7	100 min	70%	Dust collector hoses	1.64	1-20-77
19	Universal Drill	Joseph D'Amore	1.7	125 min	70%	Dust collector hoses	1.91	1-24-77
8	#3 Line Lathe Oper.	Anthony Camasso	1.7	77 min	75%	Dust hood	.70	1-26-77
13	Lathe	William Bennett	1.7	102 min	70%	Dust collector	.74	1-27-77
22	Kwik Drill	Herbert Dukes	1.7	112 min	75%	water	1.62	1-27-77
15	Cplx. Boring Mill #16	Chas. Handochin	1.7	105 min	80%	Dust collector	.61	2-9-77
7	#2 Line Lathe Oper.	Frank Talesse	1.7	99 min	78%	Dust collector	.29	2-10-77
21	Pencil Sharpener	Edgar Moore	1.7	104 min	75%	Dust Collector Respirator	.59	2-11-77

REMARKS:


 Pipe & Plastics
Green

CTD006838

PLANT Ambler # 258

ASBESTOS MONITORING REPORT

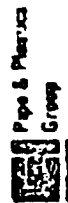
DATE March 1977

NO. 958 474

PERSONAL PUMP MSA MODEL S

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
8	Wet Saw	A. Echevaria	1.7	99 min	60%	Water Dust Col.	.622	3-3-77
14	#15 Boring Mill	F. Marincola	1.7	97 min	80%	Dust collector	.230	3-7-77
6	#1 Lathe MEO	A. Camasso	1.7	101 min	80%	Dust collector	.28	3-9-77
30	Finishing Room Fitting Area	Area Sample	1.7	180 min	100%		.15	3-16-77
2	Fiber Storage Warehouse	Area Sample	1.7	195 min	100%		.04	3-17-77
37	#1 Hydrotester	Geo Bojarsnik	1.7	95 min	80%		.38	3-18-77
33	Pipe Mach. Machine	Area Sample	1.7	140 min	100%		.31	3-21-77
38	#2 Hydrotester	Area Sample	1.7	105 min	100%		.20	3-22-77
39	#3 Hydrotester	Area Sample	1.7	102 min	100%		.37	3-23-77
42	#3 Floxtester	Area Sample	1.7	137 min	100%		.62	3-25-77

REMARKS: #14 Enclosure around boring mill patched up and repaired week of 2-28-77.



CTD006839

PLANT Ambler # 258

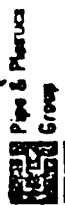
ASBESTOS MONITORING REPORT

PERSONAL PUMP MSA MODEL S NO. 458474 DATE April 1977

May
+

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
35	Shipping Trucks	Steve Ciliberto	1.7	109 min	80%	None	.10	3-28-77
34	Shipping Foreman	Harace Whisler	1.7	80 min	70%	None	.07	3-29-77
33	Pipe mach. Operator	Melvin Timbers	1.7	90 min	85%	None	1.85	4-19-77
34	Waste Dump Bill dozer oper.	O/S Contractor	1.7	180 min	90%	None	.19	5-13-77
31a	Waste Dump Perimeter study	Wm Majors	1.7	130 min	90%	None	1.15	5-13-77
33	Pipe Mach Operator	Chris Worthington	1.7	144 min	85%	None	.57	6-14-77
5	Tray Loading Area	Ronald Jackson	1.7	135	85%	None	.06	6-15-77
19	Nebel Lathe	J da Silva	1.7	115	80%	Dust Collector	.21	6-16-77

REMARKS: # 33 - During Sample time scrap crusher system had a temporary break down which emitted a cloud of dust in area submitting Timbers to about 10-15 minutes of a dust atmosphere not from which 16416a - Samples taken on windy and dry day while dozer was crushing large pipe on dump. Wh. 10 pipe was being crushed. Tank truck was used to wet down material.


 MSA
Pump & Filter
Group

CTD006840

PLANT
Ambler

ASBESTOS MONITORING REPORT

NO 1-458475

DATE

9-19-77

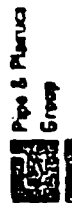
NO. 2-50-4-0466

PERSONAL PUMP MSA MODEL 9

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
36	QC Lab Technician	Walter Szulcalski	1.7	45 min	100%	none	1.5	8-9-77
3	Dry Fiber Mixer	Barry Steiner	1.7	102 min	8%	Respirator & air duct	.83	9-12-77
8	Line #3 - Lathe Operator	Anthony Camasso	1.7	120 min	75%	dust collector	.68	9-13-77 #1
1	Unload R.R. Car of Asbestos Fiber	Anthony Girardi Area Sample	1.7	131 min	50%	none	.14	9-13-77 #2
7	Line #2 - Lathe Operator	Anthony Camasso	1.7	111 min	75%	Dust Collector	.54	9-14-77 #2
10	Cplg. Cut off saw.	John Barbano	1.7	99 min	80%	Dust collector Respirator	.70	9-14-77 #1
11	ReWork Saw	Carlos Reyes	1.7	99 min	65%	Dust Collector & Respirator	3.59	9-15-77 #1
13	Lehman Lathe Short length	Carlos Rodriguez	1.7	99 min	70%	Dust Collector	1.33	9-15-77 #2
11	ReWork Saw	Carlos Reyes	1.7	50 min	70%	Dust Collector & Respirator	1.35	9-16-77 #2
11	ReWork Saw	William Ball	1.7	96 min	70%	Dust collector & Respirator	1.09	9-19-77 #1
10	Compliny Cut off Saw	John Barbano	1.7	94 min	80%	Dust Collector & Respirator	2.48	9-19-77 #2

REMARKS: #36 - Sample taken on Lab. Technician on during the time when he was actually handling asbestos fibers.
#1 - R.R. car sample take with Pump hanging on inside wall of car to sample 100% exposure.

#10 Dust count went up when cutting 12" sewer pipe even though the dust collector was pulling more air on the 19th than on the 14th.



Pipe & Flange Group

CTD006841

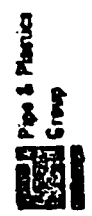
PLANT Ambler
ASBESTOS MONITORING REPORT
 NO 1-458,425 DATE 9-21-77
 PERSONAL PUMP MSA MODEL S NO. 2-604-0406

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
19	Universal Drill	Mario Caetano	1.7	99 min	75%	Dust collector	.51	9-20-77
21	Pencil Sharpener	Edgar Moore	1.7	104 min	80%	Dust Collector + Respirator	.57	9-20-77
23	O'Mark Saw	Eric Wharton	1.7	107 min	70%	water	.17	9-21-77
24	Scrap Crusher	Ralph Perez	1.7	111 min	80%	Dust Collector + Respirator	.64	9-21-77

Run
 #1
 #2

CTD006842

REMARKS:



PLANT Ambler - #258

Certified

ASBESTOS MONITORING REPORT

PERSONAL PUMP MSA

MODEL S

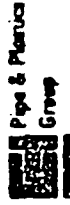
DATE 11-18-77

NO. 458, 475, 51

E04.0406 #2

Control Number	Operation	Employee's Name	Flow Rate	Sample Time	Exposure %	Type of Controls	Fibers Per/cc	Date
10	Coupling Cut Off Saw	John Barbano	1.7	188 min	85%	Respirator & Dust Collector	.52	11-14-77
11	Rework Saw - Dry	Wm. Ball	1.7	187 min	80%	Respirator & Dust Collector	1.01	11-14-77
24	Scrap Crusher	Gino Gullio	1.7	204 min	60%	Respirator & Dust Collector	.71	11-15-77
3	Fiber Dump	Wm Edelman.	1.7	136 min	60%	Respirator & Dust Collector	.96	11-15-77
22	Kovit Drills	M. Caetano	1.7	137 min	65%	Respirator & Water	.53	11-16-77
12	Wet Saw	Ralph Pulli	1.7	137 min	70%	Water Dust collector	.63	11-16-77
18	Nebel Lathe	Joao da Silva	1.7	159 min	75%	Dust hood	.11	11-17-77
15	30" Boring Mill - #16	Char Handschin	1.7	159 min	90%	Dust hood	.10	11-17-77
7	#2 Lathe - Fin. Line	Aven Sample at cutter	1.7	110 Min	80%	Dust Hood	.17	11-18-77
13	Lehman Lathe	Joao da Silva	1.7	179 min	70%	Dust duct	.27	11-18-77
19	Universal Drill	J. Barlieb - Jr.	1.7	149 min	85%	Dust duct	.70	11-18-77

REMARKS: (7) #2 Line lathe has newly designed dust hoods which completely enclose the cutting operation and as the pipe rolls out the dust inside the pipe is vacuumed out at the floor test station.



CTD006843