PLAINTIFF'S EXHIBIT

CT-703

Industrial Hygiene Survey
Rivers [illegible], A/C Pipe Plant
4/21-25, 1980

TABLE ___

PERSONAL DUST EXPOSURES

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	RESULT
	Manufacturing Department							
001	Mixer Operator	J. James	Fiber	8:25a-9:40a	75	0.16		10 minute break
002				9:40a-9:55a	15	0.18		Staging & cleaning area.
003	4/24/80			9:55a-11:45a	110	0.15	0.21	Felt and Cylinder change 1/2 hour lunch.
004				11:45a-1:45p	120	0.29		Made 2 dumps
005				1:45p-2:00p	15	0.36		Staging
006				2:00p 2:54p	54	0.22		11 minute dump. 15 minute staging, 28 minute cleanup
007	Machine Tender 4/21/80	F. Windsor	Fiber	11:40a 2:56p	196	0.13	-	8" 150 & 10" 200 pipe
008	Machine Tender	A. Horton	Fiber	4:15p-6:35p	140	0.21		6" 150/200 pipe
009	4/23/80			6:35p-7:35p	60	0.33	--	
	2nd Shift.							
010				7:35p-8:50p	75	-		VOID - Pump problems
011	Press Operator	D. Marron	Fiber	11:27a-2:57p	210	0.09	-	8" 150 & 10" 200 pipe.
012	Press Operator	W. Ashen	Fiber	4:15p 6:35p	140	0.20		6" 150/200 pipe
013	4/23/80			6:35p-7:35p	60	0.23	0.19	
	2nd Shift							
014				7:35p-8:50p	75	0.16		
015	Mandrel Handler 4/21/80	J. Clauson	Fiber	11:42a-2:58p	196	0.10	--	8" 150/200 pipe
016	Mandrel Handler	D. Braun	Fiber	4:20p-6:25p	125	0.16		6" 150/200 pipe
017	4/23/80			6:25p-7:40p	75	-	--	VOID-Pump Problems
3	2nd Shift			7:40p-8:50p	70	-		VOID - Pump problems

TABLE ___

PERSONAL DUST EXPOSURES

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	RESULT
	Manufacturing Department (Continued...)							
019	Mandrel Handler 4/25/80	J. Clauson	Fiber	1:35p-1:53p	18	0.22	-	14" 150 pipe
020	Stripper 4/21/80	A. Chavez	Fiber	11:45a-2:53p	188	0.005	-	8" 150 & 10" 200 pipe
021	Stripper	G. Soncrant	Fiber	4:25p-6:30p	125	0.08	0.07	6" 150/200 pipe Steamy
022	4/23/80			6:30p-7:45p	75	0.007		30 minute break
023	2nd Shift			7:45p-8:00p	15	0.31		
024	Tray Loader 4/21/80	J. Butts	Fiber	12:30p-1:30p	60	<0.061	-	8" 150 & 200 pipe
025	Tray Loader Truck Driver 4/21/80	L. Goodman	Fiber	11:50p 2:53p	183	0.007	-	8" 150 & 200 pipe
26	Tray Loader	J. Ledford	Fiber	4:30p 6:30p	120	<0.061	0.052	6" 150/200 pipe
027	4/23/80			6:30p 7:45p	75	0.029		
028	2nd Shift			7:45p-8:50p	65	<0.061		
029	Relief Operator 4/21/80	K. Aeschliman	Fiber	11:35a 2:50p	195	0.07	-	8" 150 & 10" 200
030	Relief Operator	E. Renfro	Fiber	4:15p-6:35p	140	0.17	0.14	6" 150/200 pipe
031	4/23/80			6:35p-7:35p	60	0.089		Relieved Press Operator and Stripper
032	2nd Shift			7:35p-8:52p	75	0.13		Relieved Mandrel Handler & Press Operator
	Finishing Department							
033	Line 1 Truck Driver 4/24/80	D. Glavin	Fiber	8:55a-12:00N	185	0.021	0.022	6" 150 Pipe
034				12:00N 3:15p	195	0.023		
035	Line 3 Lathe Assistant 4/23/80	D. Pasillas	Fiber	7:52a 10:58a	186	0.033	0.041	14" 150 pipe

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TABLE ___
PERSONAL DUST EXPOSURES

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	RESULT
	Finishing Department							
	Continued...							
036	Line 3 Lathe Operator	D. Pasillas	Fiber	10:58a 12:50p	112	0.053		14" 150 pipe
037	4/23/80			12:50p-3:20p	150	-		VOID - Pump problems
038	Line 3 Lathe Assistant	J. Peterson	Fiber	7:47a 11:00a	193	0.039	0.063	14" 150 pipe
039				11:00a 12:50p	110	0.066		
040	4/23/80			12:50p 3:20p	150	0.093		
041	Line 3 Tester	J. Campbell	Fiber	7:45a-11:00a	195	1.45	1.19	14" 150 pipe
042	Operator			11:00a 12:50p	110	1.13		
043	4/23/80			12:50p-3:20p	150	0.89		
044	Line 3 Beller	D. Parr	Fiber	8:05a-10:56a	171	0.097	0.102	14" 150 pipe
045	4/23/80			10:56a-12:45p	109	0.11		
046				12:45p-3:20p	155	-		VOID-Pump problems
047	Line 3 Beller	J. Dobbs	Fiber	7:53a-10:57a	184	0.23	0.18	14" 150 pipe
048				10:57a-12:47p	110	0.17		
049	4/23/80			12:47p 3:20p	153	0.13		
050	Line 3 Handler	A. Amaro	Fiber	8:00a-10:57a	177	0.22	0.22	14" 150 pipe
051	4/23/80			10:57a 12:45p	108	0.20		
052				12:45p-3:20p	155	0.24		
053	Line 3 Inspector 4/23/80	L. Gil	Fiber	7:50a-10:55a	185	0.038		14" 150 pipe

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TABLE ___

PERSONAL DUST EXPOSURES

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	RESULT
054	Line 3 Inspector 4/23/80	L. Gil	Fiber	10:55a-12:45p	110	0.054	0.05	14" 150 pipe
055				12:45p-3:20	155	0.062		
056	Small Rework Saw Operator 4/22/80	M. Allen	Fiber	7:20a-9:15a	115	0.06	0.084	8" 150 Rework to 1/2 lengths
057				9:15a-11:50a	155	0.095		
058				11:50a 1:45p	115	—		Void Sample Used Twice
059				1:45p 3:20p	95	0.09		On Sweeper
060	Large Rework Saw Operator 4/23/80	M. Allen	Fiber	8:10a 10:05a	115	0.28	0.16	60 min.-large saw 14" 150 51 min. Small saw 8" 150
061				10:05a 12:15p	130	<0.061		1/2 hour sweeper, 30 min small saw, 15 min. large saw
62	Large Saw Operator 4/24/80	M. Allen	Fiber	9:35a-10:15a	40	0.05	— —	30 min. large saw 14" 150 10 min. small saw
	Fittings Departm ent							
063	#1 Boring Mill 4/22/80	A. Buenrostro	Fiber	8:05a-10:20a	135	0.05	0.061	10" 150 couplings
064				10:20a 11:51a	91	0.08		
065				11:51a 2:00p	129	0.052		Down 1 hr. for repair
066				2:00p-2:45p	145	0.068		Down 40 min. for repair
067	#1 Boring Mill Helper 4/22/80	M. Plaza	Fiber	8:07a-10:20a	133	—	0.15	Void - Sample used twice
068				10:20a-11:52a	92	0.17		10" 150 Couplings (Dry)
069				11:52a-1:46p	115	0.10		Working on plastic coupling machine
070				1:46p 4:26p	159	0.17		10" 150 Couplings (Dry)

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TABLE ___

PERSONAL DUST EXPOSURES

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	REMARKS
071	#1 Boring Mill Operator 4/24/80	A. Buenrostro	Fiber	10:25a-10:40	15	0.10	--	10" 150 Couplings (Wet)
072	Big Mill Operator	E. Garcia	Fiber	8:11a-10:22a	131	0.25	0.42	12" Couplings
073	4/22/80			10:22a-11:55a	93	0.34		
074				11:55a-2:05p	130	0.36		
075				2:05p 4:25p	140	0.68		
076	Coupling Cut Off Saw Operator	B. Taylor	Fiber	8:20a-11:57a	217	0.17	0.13	10" 150 Couplings
077	4/22/80			11:57a 2:20p	143	0.058		
078				2:20p 4:27p	127	—		VOID Pump Problems
079	Coupling Tester Operator	T. Putnam	Fiber	8:30a-10:00a	90	0.20	0.13	12" 150 Couplings -Dry side of Coupling Tester
080	4/22/80			10:00a 11:57a	117	0.086		10:00-11:30, Wet side of coupling tester, 11:30-12 Noon Machine Down
081				11:57a 2:10p	133	0.071		12:30-4:30, Employee Handler Line 1.
082				2:10p 4:20p	130	0.19		
083	Fittings Maker 4/24/80	C. Hamilton	Fiber	8:45a 12 N	195	0.45	--	8" Tap couplings
084	Large FM Lathe	M. Garcia	Fiber	8:15a-11:55a	220	0.025	0.03	12" 150 1/2 length FM's
085	Operator 4/22/80			11:55a-2:15p	140	0.034		
086				2:15p 4:27p	132	0.036		

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TABLE ___

PERSONAL DUST EXPOSURES

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	REMARKS
087	Crusher Operator	T. Silva	Fiber	7:25a-9:30a	125	0.77	1.39	Crushing 3' X 3" pieces & end pieces.
088	4/22/80			9:30a 12 N	150	2.76		Sprinkling off and on through out the day
089				12N 1:55p	115	1.37		
090				1:55p 4:20p	145	0.53		
091	Crusher Operator	E. Garcia	Fiber	2:00p 3:20p	80	0.14	--	2:00-2:30 - Crushing 2:30-2:45 - Break 2:45-3:20 - Crushing
	Maintenance	Department						
092	Maintenance Oiler/Mechanic	S. Eltz	Fiber	8:20a 12:10	230	0.036	0.052	In baghouse 20 minutes
093	4/24/80			12:10 4:15p	245	>0.068		
	Shipping	Department						
094	Loader	S. Atencio	Fiber	8:05a-12:00N	235	—	--	VOID Sample-pump problems
095	4/24/80			1:40p 4:20p	160	0.23		In yard
096	Loader/Truck Driver	R. Corral	Fiber	8:05a-12:00N	235	—	--	VOID Sample-pump problems
097	4/24/80			1:40p 4:20p	160	0.05		In yard
098	Loader/Truck Driver	R. Fonseca	Fiber	8:02a-12:00N	238	—	--	VOID Sample- pump problems
099	4/24/80			1:40p 4:20p	160	0.04		In yard

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Industrial Hygiene Survey
Riverside A/C Pipe Plant
April 21-25, 1980

TABLE ___

ENVIRONMENTAL DUST RESULTS

No. 80	POSITION LOCATION (Date)	NAME/AREA	ANALYSIS FOR	TIME	MIN.	RESULT f/cc	TWA f/cc	RESULT
136	Fiber Warehouse 4/25/80	AREA	Fiber	8:47a-9:47a	60	0.11 f/cc	—	Pump 4' from floor in fiber warehouse isle.
137	Bag Opener 4/25/80	AREA	Fiber	8:45a-9:45a	60	0.11 f/cc	—	Dumping 8:45a, pump setting near bag opener control panel 4' from floor
138	Pit near wetting screw 4/25/80	AREA	Fiber	8:40a-9:40a	60	0.41 f/cc	—	Pump 5' 6" from floor in isle way at pit. Sprinklers on running 16" 150.
139	In is 1/2 way between pit and floor trough	AREA	Fiber	11:50a 1:30p	100	0.43 f/cc	—	Pump hanging 5' from floor approximately 30' from pit and 30' from flow trough
140	Machine Tender Control panel 4/25/80	AREA	Fiber	9:50a-11:50a	60	0.23 f/cc	—	Pump sitting 6' from floor on roll up chart cabinet
141	Time Clock 4/25/80	AREA	Fiber	10:25a-2:40p	255	0.002 f/cc	—	Pump sitting on time clock near FM Lathe at entrance to finishing 4' ft. from floor.

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Industrial Hygiene Survey
Riverside A/C Pipe Plant
April 21-25, 1980

AUDIODOSIMETRY RESULTS

[illegible]	POSITION LOCATION (DATE)	NAME	TIME	Min.	RESULTS Eight Hour Dosimeter 85 dBA	RESULTS Eight Hour Dosimeter 90 dBA	REMARKS
100	Mixer Operator 4/24/80	J. James	8:25a-2:54p	389	-	21	Running 6" 150 pipe.
101	Machine Tender 4/23/80 2nd Shift	A. Horton	4:15p-8:50p	275	-	105	Running 6" 150 pipe
102	Machine Tender 4/25/80	F. Windsor	8:20a-2:30p	370		62	Running 6" 150 pipe.
103	Control Operator 4/23/80 2nd shift	A. Askew	4:15p-8:50p	275	-	44	Running 6" 150 pipe
104	Mandrel Handler 4/23/80 2nd shift	D. Brown	4:20p-8:50p	270	-	71	Running 6" 150 pipe
105	Stripper Operator 4/23/80 2nd shift	G. Soncrant	4:25p-8:00p	215	-	78	Running 6" 150 pipe
106	Tray Loader 4/23/80 2nd Shift	J. Ledford	4:30p-8:50p	260	-	2	Running 6" 150 pipe
107	Relief Operator 4/23/80 2nd Shift	E. Renfro	4:15p-8:50p	275	-	94	Running 6" 150 pipe
[illegible]	Relief Operator 4/25/80	A. Aeschliman	8:20a-2:30p	370	-	58	Running 6" 150 pipe
109	Line #1 Lathe Operator 4/25/80	D. Pasillas	8:15a-3:15p	420	-	192	Running 6" 150 pipe
110	Line #1 Tester Operator 4/25/80	J. Campbell	8:15a-3:15p	420	-	187	Running 6" 150 pipe
111	Line #3 Lathe Operator 4/23/80	D. Pasillas	7:52a-3:20p	448	-	181	Running 14" 150 pipe
112	Line #3 Lathe Assistant 4/23/80	J. Peterson	7:47a-3:20p	453	-	96	Running 14" 150 pipe
113	Line #3 Tester Operator 4/23/80	J. Campbell	7:45a-3:20p	455	-	129	Running 14" 150 pipe
114	Line #3 Beller 4/23/80	D. Park	8:05a-3:20p	435	-	109	Running 14" 150 pipe
115	Line #3 Beller 4/23/80	J. Dobbs	7:53a-3:20p	447	-	97	Running 14" 150 pipe
116	Line #3 Handler 4/23/80	R. Amaro	8:00a-3:20p	440	-	124	Running 14" 150 pipe
[illegible]7	Line #3 Inspector 4/23/80	L. Gil	7:50a-3:20p	450	-	77	Running 14" 150 pipe

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Industrial Hygiene Survey
Riverside A/C Pipe Plant
April 21-25, 1980

AUDIODOSIMETRY RESULTS

No. 80	POSITION LOCATION (DATE)	NAME	TIME	Min.	RESULTS Eight Hour Dosimeter 85 dBA	RESULTS Eight Hour Dosimeter 90 dBA	REMARKS
118	Small Rework Saw Operator 4/22/80	M. Allen	9:15a-3:20p	365	-	75	Running 8" 150 pipe
119	Large & Samll Rework Saw Operator 4/22/80	M. Allen	8:10a-12:15p	245	-	102	Large Saw Running 14" 150 (75 min) Small saw running 8" 150 (80 min)
120	Boring Mill #1 Operator 4/22/80	A. Buenrostro	8:14a-4:25p	491	-	112	Running 10" 150 couplings (Dry) Machine down 2 hours
121	Boring Mill #1 Helper 4/22/80	M. Plaza	8:13a-4:25p	490	-	66	Running 10" 150 coupling (Dry) Machine down 2 hours.
122	Boring Mill #1 Operator 4/24/80	A. Buenrostro	9:00a-4:20p	440	-	113	Running 10" 150 couplings (wet)
123	Boring Mill #1 Operator 4/25/80	A. Buenrostro	10:25a-3:45p	320	-	51	Running 8" 150 couplings (wet)
124	Big Mill Operator 4/22/80	E. Garcia	8:11a-4:25p	494	-	93	Running 12" 150 couplings
5	Big Mill Operator 4/24/80	E. Garcia	8:30a-3:15p	405	-	82	Running 12" 150 couplings
126	Coupling cut off Operator 4/22/80	B. Taylor	9:20a-4:27p	427	-	37	Running 10" 150 couplings
127	Coupling Tester Operator 4/22/80	T. Putnam	9:15a-4:20p	425	-	122	Running 12" 150 couplings (4 hours) Line #1 Handler (4hrs)
128	Coupling Tester Operator 4/24/80	T. Putnam	8:10a-4:20p	490	-	65	Running 12" 150 couplings
129	Coupling Tester Operator 4/24/80	P. Martinez	8:10a-4:20p	490	-	61	Running 12" 150 Couplings
130	Fitting Maker 4/24/80	C. Hamilton	8:45a-4:20p	455	-	35	8" Top couplings
131	FM Lathe Operator 4/22/80	M. Garcia	9:20a-4:27p	427	-	90	Running 12" 150 1/2 length
132	Crusher Operator 4/22/80	T. Silva	9:14a-4:20p	426	-	153	
133	Crusher Operator 4/24/80	T. Silva	8:50a-4:20p	450	-	137	
134	Boiler Operator 4/25/80	D. DeAngelis	9:25a-2:30p	305	-	74	
135	Maintenance Oiler/ Mechanic 4/24/80	Eltz	8:20a- 4:20p	480	-	37	

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