PLAINTIFF'S EXHIBIT
UC-3722

Fire Exposure Tests for Pipe Insulation

UW-0174 #4

Fire Test Nr.	Specimen	Specimen Thickness	Type Test	Avg. Pipe Temp. after 1 hour, °F	Date Tested
1 to 11	Bare 3" pipe	—	E-119	—	2/7-21/73
12	Kaylo 10 (std ∑ asbestos)	1"	E-119	1180	2-27-73
13	Kaylo 10 (asbestos-free)	1"	"	aborted	2-27-73
14	Kaylo 10 (asbestos-free)	1"	"	aborted	3-1-73
15	Kaylo 10 (std ∑ asbestos)	1"	"	1330	3-1-73
16	Kaylo 10 (asbestos-free)	1"	"	1300	3-5-73
17	Pabco Super Caltemp NA	1"	"	1120	3-6-73
18	Johns Manville Thermo-12	1"	"	810	3-8-73
19	Kaylo 10 (std ∑ asbestos)	1"	"	1100	3-8-73
20 to 23	Bare 3" pipes	—	"	—	3/14-28/73
24	Cerafiber 1500 AF	2½" double	"	190	3-29-73
25	Kaylo 10 AF	"	"	295	3-29-73
26	Ceramic Foam	"	"	aborted	4-11-73
27	Pabco Super Caltemp NA	"	"	140	4-13-73
28	Johns Manville Thermo-12	"	"	190	4-17-73
29	Kaylo 10 (std ∑ asbestos)	"	"	220	4-18-73
30	Epitherm	"	"	455	5-8-73
31	Ceramic Foam (Amosorb Dow)	"	"	740	5-11-73

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442-11 (6-75)

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Fire Test No.	Specimen	Specimen Thickness	Type Test	Avg. Pipe Temp. after 1 hour, °F	Date Tested
32	Kaylo 10 AF	2½	E-119	160	5-24-73
33	Bare pipes (2)	—	"	—	10-29-73
34	De Man (calcium silicate) normal	2½	"	246	2-22-74
35	De Man (calcium silicate) inhibited	"	"	226	2-22-74
36	Thermasil ± first and fabit	"	"	180	4-26-74
37	Unisite (Kaiser)	"	"	185	4-26-74
38	Kaiser 12/2 Block	"	"	193	5-23-74
39	Newtherm 73	"	"	188	10-1-74
40	Thermasil	"	"	202	10-25-74
41	Careytemp 1500	"	"	285	1-9-75
42	Careytemp 1500	"	"	284	1-9-75
43	Far East Pearlite Ind (Taiwan)	"	"	202	3-30-76
44	Hsi Hsing Chem. Ind (pearlite)	"	"	219	9-21-76
45	Calcium Silicate (Linde C_2H_2 filler)	"	"	328	1-4-77
46	Newtherm	"	"	198	1-4-78
47	De Man (SILICA 800)	"	"	252	1-5-78
48	Woodtemp	"	"	240	5-15-78
49	Wesolite	"	"	196	5-15-78

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442-1 (8-75)

Fire Test No.	Specimen	Specimen Thickness	Type Test	Avg. after	Pipe Temp 1 hour, °F	Date Tested
50	Woodtemp	2 ½"	High-Rise		437	5-16-78
51	Flying Horse 650	"	"	>1000	at 38 min	6-17-81
52	Holmes Hil-Cover (12 pcf wool)	"	"		662	6-18-81
53	Holmes Hil-Cover (8 pcf wool)	"	"	>1000	at 40 min	6-18-81
54	Woodtemp (Improved)	"	"	>1000	at 46 min	6-24-81
55	Calsilite	"	"		356	7-31-81
56	Woodtemp (Improved)	"	"	>1000	at 42 min	7-31-81
57	Woodtemp (current plant prod.)	"	"		383	8-5-81
58	Celotemp	"	"		410	8-14-81
59	J-M Cerablanket	"	"		644	9-23-81
60	Rigidwrap Fiberglass Cover	"	"	>1000	at 18 min	9-23-81
61	Epitherm 1200	"	"		590	12-21-83
62	Sprouls WR 1200	"	"	>1000	at 42 min	5-18-84
63	PAROC 1600	"	"		401	10-24-84
64	PAROC 1200	"	"		806	10-30-84
65	Foamglas	"	"	>1000	at 39 min	5-14-85
66	Delta Snap Wrap	"	"	>1000	at 56 min	5-16-85
67	HOTCO Wrap (removable)	3" fiberfrax	"		770	7-30-85

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Fire Test No.	Specimen	Specimen Thickness	Type Test	Avg. Pipe Temp. after 1 hour, °F	Date Tested
68	Rockwool (9 lb/cuft)	2½"	High Rise	>1000 at 52 min	1-10-86
69	O'Brien Kleppack (removable)	3" Fiberglass	"	790	3-26-86
70	Lapinus 1200	2½	"	1000 at 45 min	4-23-86
71	Insulation Technology (removable)	3" Fiberglass	"	518	4-24-86
72	Cyclonics Contracting (removable)	3" Fiberglass	"	518	4-30-86
73	Lapinus 1200	2½	"	968	5-7-86
74	Rockwool (2nd sample)	2½	"	1000 at 49 min	3-18-87
75	Calcium silicate from Mitsubishi sent from Manson Insulation, Ontario	2½	"	302	3-16-87

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