

**Table 6.2.1-1—Loss of Coolant Accidents
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Case	Break Location	Break Type ⁷	Cd	Single Failure	ECCS	Offsite Power Configuration	Back Pressure
1	Hot Leg	DEG	1.0	SIS/RHR Heat Exchangers	Max	LOOP	60 psia
2	Hot Leg	DEG	1.0	1 Train ECCS	Min	LOOP	60 psia
3	Hot Leg	DEG	1.0	1 Train ECCS	Min	No LOOP	60 psia
4	Hot Leg	DEG	1.0	SIS/RHR Heat Exchangers	Max	No LOOP	60 psia
5	Hot Leg	DEG	0.8	1 Train ECCS	Min	LOOP	60 psia
6	Hot Leg	DEG	0.6	1 Train ECCS	Min	LOOP	60 psia
7	Hot Leg	Split	0.8	1 Train ECCS	Min	LOOP	60 psia
7A	Hot Leg	DEG	1.0	1 Train ECCS	Min	LOOP	14.7 psia
7C	Hot Leg	Split	1.0	1 Train ECCS	Min	LOOP	14.7 psia
8	Pump Suction	DEG	1.0	SIS/RHR Heat Exchangers	Max	LOOP	60 psia
9	Pump Suction	DEG	1.0	1 Train ECCS	Min	LOOP	60 psia
10	Pump Suction	DEG	1.0	1 Train ECCS	Min	No LOOP	60 psia
10B	Pump Suction	DEG	1.0	SIS/RHR Heat Exchangers	Max	No LOOP	60 psia
11	Pump Suction	DEG	1.0	1 Train ECCS	Min	No LOOP	60 psia
12	Pump Suction	DEG	0.8	1 Train ECCS	Min	No LOOP	60 psia
13	Pump Suction	DEG	0.6	1 Train ECCS	Min	No LOOP	60 psia
14	Pump Suction	Split	0.8	1 Train ECCS	Min	No LOOP	60 psia
14B	Pump Suction	Split	0.8	1 Train ECCS	Min	No LOOP	14.7 psia
14C	Pump Suction	Split	0.8	1 Train ECCS	Min	No LOOP	76.7 psia
14D ¹	Pump Suction	Split	0.8	1 Train ECCS	Min	No LOOP	60 psia
14E	Pump Suction	Split	1.0	1 Train ECCS	Min	No LOOP	14.7 psia
15	Pump Discharge	DEG	1.0	SIS/RHR Heat Exchangers	Max	LOOP	60 psia

**Table 6.2.1-1—Loss of Coolant Accidents
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Case	Break Location	Break Type ⁷	Cd	Single Failure	ECCS	Offsite Power Configuration	Back Pressure
16	Pump Discharge	DEG	1.0	1 Train ECCS	Min	LOOP	60 psia
17	Pump Discharge	DEG	1.0	1 Train ECCS	Min	No LOOP	60 psia
18	Pump Discharge	DEG	1.0	SIS/RHR Heat Exchangers	Max	No LOOP	60 psia
19 ²	Pump Discharge	DEG	1.0	1 Train ECCS	Min	No LOOP	60 psia
20 ³	Pump Discharge	DEG	1.0	1 Train ECCS	Min	No LOOP	60 psia
21	Pump Discharge	DEG	0.8	1 Train ECCS	Min	No LOOP	60 psia
22	Pump Discharge	Split	0.8	1 Train ECCS	Min	No LOOP	60 psia
23	Pump Discharge	Split	0.6	1 Train ECCS	Min	No LOOP	60 psia
24	Pump Discharge	DEG	0.6	1 Train ECCS	Min	No LOOP	60 psia
25	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	60 psia
26	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	14.7 psia
27	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	76.7 psia
28 ¹	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	60 psia
29 ⁴	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	60 psia
30 ⁵	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	60 psia
31 ⁶	Pump Discharge	Split	1.0	1 Train ECCS	Min	No LOOP	60 psia

Notes:

1. Increased IRWST Temperature to 248°F.
2. Based on Case 17 with the percentage of LHSI to the intact loop to be 0%.
3. Based on Case 17 with the percentage of LHSI to the intact loop to be 25%.

4. Based on Case 25 with instantaneous feedwater isolation.
5. Long-Term LOCA Run Based on Case 25.
6. Increased IRWST Temperature to 170°F.
7. DEG = double-ended guillotine.

Table 6.2.1-2—Main Steam Line Breaks

Case	Power Level (RTP)	Break Type ¹	Size	Single Failure	Offsite Power Configuration
1	100%	DEG	1.4 ft ²	MSIV	Available
2	100%	Split	1.0 ft ²	MSIV	Available
3	100%	Split	0.7 ft ²	MSIV	Available
4	100%	Split	0.5 ft ²	MSIV	Available
5	80%	DEG	1.4 ft ²	MSIV	Available
6	80%	Split	1.0 ft ²	MSIV	Available
7	80%	Split	0.7 ft ²	MSIV	Available
8	80%	Split	0.5 ft ²	MSIV	Available
9	50%	DEG	1.4 ft ²	MSIV	Available
10	50%	Split	1.0 ft ²	MSIV	Available
11	50%	Split	0.7 ft ²	MSIV	Available
12	50%	Split	0.5 ft ²	MSIV	Available
13	20%	DEG	1.4 ft ²	MSIV	Available
14	20%	Split	1.0 ft ²	MSIV	Available
15	20%	Split	0.7 ft ²	MSIV	Available
16	20%	Split	0.5 ft ²	MSIV	Available
17	HZP	DEG	1.4 ft ²	MSIV	Available
18	HZP	Split	1.0 ft ²	MSIV	Available
19	HZP	Split	0.7 ft ²	MSIV	Available
20	HZP	Split	0.5 ft ²	MSIV	Available

Notes:

1. DEG = double-ended guillotine.

Table 6.2.1-3—LHSI Heat Exchanger Data

Parameter	Nominal			
	No. of shell side passes	1		
Number of tube side passes	1 (U-Tube Design)			
No. of tubes	1088			
Tube material	Austenitic steel (stainless steel)			
Tube thickness	0.04 in	1.016 mm		
Total tube side flow area	1.311 ft ²	0.1218 m ²		
Tube internal diameter	0.47 in	11.9 mm		
Tube outer diameter	0.55 in	139.97 mm		
Shell outer diameter	3.9 ft	1.1887 m		
Shell wall thickness	0.71 in	18.034 mm		
Tube side fouling resistance	1.70 x 10 ⁻⁴ (ft ² -hr-°F/BTU) 30 x 10 ⁻⁶ (m ² -°K/W)			
Shell side fouling resistance	2.84 x 10 ⁻⁴ (ft ² -hr-°F/BTU) 50 x 10 ⁻⁶ (m ² -°K/W)			
	Trains 1 & 4		Trains 2 & 3	
CCW flow rate at inlet of RHRS heat exchanger	828.9 lb _m /s	376 Kg/s	608.5 lb _m /s	276 Kg/s
CCW temperature at inlet of RHRS heat exchanger	104°F	40°C	91.4°F	33°C
Total tube side surface area (total inside surface area of tubes)	4751.5 ft ²	441.4 m ²	5203.8 ft ²	483.4 m ²
Total shell side surface area (total outside surface area of tubes)	5560.3 ft ²	516.6 m ²	6089.6 ft ²	565.7 m ²
Overall heat transfer coefficient	444.9 (BTU/ft ² -hr-°F) 2526.1 (W/m ² -°K)		406.2 (BTU/ft ² -hr-°F) 2306.5 (W/m ² -°K)	

Table 6.2.1-4—Containment Initial and Boundary Conditions

Item	Parameter	Analytical Value						
1	Containment Free Volume	2,754,237 ft ³ 78,000 m ³						
2	Initial IRWST Water Volume	50,996 ft ³ 1444 m ³						
3	Initial IRWST Water Temperature	122°F 50°C						
4	Initial Containment Pressure	15.96 psia 1.1 bar						
5	Initial Containment Temperature	<table border="1"> <thead> <tr> <th>Service Compartments</th> <th>Equipment Compartments</th> </tr> </thead> <tbody> <tr> <td>86°F</td> <td>131°F</td> </tr> <tr> <td>30°C</td> <td>55°C</td> </tr> </tbody> </table>	Service Compartments	Equipment Compartments	86°F	131°F	30°C	55°C
Service Compartments	Equipment Compartments							
86°F	131°F							
30°C	55°C							
6	Initial Relative Humidity	30%						
7	Outside or Ambient Temperature	Insulated boundary condition to maximize containment temperature and pressure						

Table 6.2.1-5—Containment Heat Sink Inventory
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Description		Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
Containment Wall with Steel Liner		0.0002	0	0.006	0.003	1.222	9177
1	Access to RB annulus	0.0002	0	0.006	0.003	1.306	77.56
2	Lower annulus rooms L1 & 2 to RB annulus	0.0002	0	0.006	0.003	1.306	151.24
3	Lower annulus rooms L3 & 4 to RB annulus	0.0002	0	0.006	0.003	1.306	151.24
4	Hot piping to RB annulus	0.0002	0	0.006	0.003	1.306	178.38
5	Middle annulus rooms L1 & 2 to RB annulus	0.0002	0	0.006	0.003	1.306	1140.81
6	Middle annulus rooms L3 & 4 to RB annulus	0.0002	0	0.006	0.003	1.3055	1269.38
7	Access to RB annulus	0.0002	0	0.006	0.003	1.306	65.95
8	Middle annulus rooms L3 & 4 to RB annulus	0.0002	0	0.006	0.003	1.306	130.42
9	Lower & upper dome L1, 2, 3 & 4 to RB annulus	0.0002	0	0.006	0.003	1.306	517.31
10	Upper annulus rooms L1 & 2 to RB annulus	0.0002	0	0.006	0.003	1.306	330.64
11	Upper annulus rooms L3 & 4 to RB annulus	0.0002	0	0.006	0.003	1.306	330.64
12	Staircase (south) to RB annulus	0.0002	0	0.006	0.003	1.306	43.7
13	Lower & upper dome L1, 2, 3 & 4 to RB annulus	0.0002	0	0.006	0.003	1.3	2309.5
14	Lower & upper dome L1, 2, 3 & 4 to RB annulus	0.0002	0	0.006	0.003	1	2480
IRWST Vertical Wall		0	0	0.004	0	1.404	669
1	Spreading rooms to IRWST	0	0	0.004	0	1.2	42.06
2	IRWST to SG blowdown (LCQ) HX etc.	0	0	0.004	0	0.3	19.66
3	IRWST to components	0	0	0.004	0	0.8	37.96
4	IRWST to elevator	0	0	0.004	0	0.74	2.08
5	IRWST to lower annulus rooms L1 & 2	0	0	0.004	0	1.5	560

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
6	IRWST to hot piping	0	0	0.004	0	1.5	6.88
	IRWST horizontal wall (floor/ceiling)	0	0	0.004	0	1.434	547
1	IRWST to SG blowdown (LCQ) HX etc.	0	0	0.004	0	1	64.64
2	IRWST to components	0	0	0.004	0	0.8	46.56
3	IRWST to lower equipment rooms L1	0	0	0.004	0	1.5	78.8
4	IRWST to lower equipment rooms L2	0	0	0.004	0	1.5	139.2
5	IRWST to lower equipment rooms L3	0	0	0.004	0	1.5	139.2
6	IRWST to lower equipment rooms L4	0	0	0.004	0	1.5	78.8
	IRWST Basemat	0	0	0.004	0	4	590
1	IRWST to ground	0	0	0.004	0	4	590
	Vertical wall to accessible space	0.0004	0	0	0	0.39	8342
1	access to elevator	0.0004	0	0	0	0.1	52.34
2	lower annulus rooms L1 & 2 to elevator	0.0004	0	0	0	0.1	12.54
3	lower annulus rooms L1 & 2 to access	0.0004	0	0	0	0.1	14.08
4	lower annulus rooms L3 & 4 to access	0.0004	0	0	0	0.1	27.56
5	lower annulus rooms L1 & 2 to hot piping	0.0004	0	0	0	0.15	20.8
6	lower annulus rooms L3 & 4 to hot piping	0.0004	0	0	0	0.15	20.8
7	middle annulus rooms L1 & 2 to staircase (south)	0.0004	0	0	0	0.15	362.82
8	middle annulus rooms L1 & 2 to elevator	0.0004	0	0	0	0.1	178.94
9	Internal wall in middle annulus rooms L1 & 2	0.0004	0	0	0	0.1322	186.96
10	Internal wall in middle annulus rooms L1 & 2	0.0004	0	0	0	0.25	190.24
11	middle annulus rooms L1 & 2 to access	0.0004	0	0	0	0.1	17.8

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
12	middle annulus rooms L3 & 4 to access	0.0004	0	0	0	0.1	16.38
13	Internal wall in middle annulus rooms L3 & 4	0.0004	0	0	0	0.25	203.96
14	middle annulus rooms L1 & 2 to staircase (north)	0.0004	0	0	0	0.15	229.12
15	middle annulus rooms L3 & 4 to staircase (north)	0.0004	0	0	0	0.15	223.08
16	middle annulus rooms L1 & 2 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.7132	365.38
17	Internal wall in middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	28.28
18	Internal wall in middle annulus rooms L1 & 2	0.0004	0	0	0	0.755	47.6
19	middle annulus rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4443	105.12
20	middle annulus rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.7	156.32
21	middle annulus rooms L1 & 2 to staircase (north)	0.0004	0	0	0	0.5	25.2
22	middle annulus rooms L1 & 2 to elevator	0.0004	0	0	0	0.5	102.74
23	Internal wall in middle annulus rooms L1 & 2	0.0004	0	0	0	0.5	35.3
24	middle annulus rooms L1 & 2 to upper annulus rooms L1 & 2	0.0004	0	0	0	0.5	350.76
25	upper annulus rooms L1 & 2 to staircase (north)	0.0004	0	0	0	0.15	80.34
26	upper annulus rooms L3 & 4 to staircase (north)	0.0004	0	0	0	0.15	110.26
27	upper annulus rooms L1 & 2 to staircase (north)	0.0004	0	0	0	0.5	16.32
28	upper annulus rooms L1 & 2 to elevator	0.0004	0	0	0	0.1	123.1
29	upper annulus rooms L1 & 2 to elevator	0.0004	0	0	0	0.5	13.68

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
30	upper annulus rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.65	14.4
31	lower & upper dome L1, 2, 3 & 4 to staircase (south)	0.0004	0	0	0	0.15	58.22
32	Internal wall in upper annulus rooms L1 & 2	0.0004	0	0	0	0.5	14.04
33	upper annulus rooms L1 & 2 to staircase (south)	0.0004	0	0	0	0.15	29.62
34	upper annulus rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.5	31.48
35	Internal wall in upper annulus rooms L3 & 4	0.0004	0	0	0	0.15	200.28
36	Internal wall in lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.44115	541.32
37	upper annulus rooms L1 & 2 to staircase (north)	0.0004	0	0	0	0.25	29.92
38	upper annulus rooms L1 & 2 to elevator	0.0004	0	0	0	0.25	25.08
39	Internal wall in upper annulus rooms L1 & 2	0.0004	0	0	0	0.25	37.68
40	upper annulus rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.25	26.04
41	SG blowdown (LCQ) HX etc. to elevator	0.0004	0	0	0	0.4	8.32
42	SG blowdown (LCQ) HX etc. to access	0.0004	0	0	0	0.1	37.19
43	SG blowdown (LCQ) HX etc. to lower annulus rooms L1 & 2	0.0004	0	0	0	0.4	5.02
44	SG blowdown (LCQ) HX etc. to lower annulus rooms L3 & 4	0.0004	0	0	0	0.15	5.12
45	Components to hot piping	0.0004	0	0	0	0.5	77.08
46	Components to hot piping	0.0004	0	0	0	0.15	9.28
47	lower equipment rooms L1 to staircase (south)	0.0004	0	0	0	0.6	60.19

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
48	lower equipment rooms L1 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	178.12
49	lower equipment rooms L1 to components	0.0004	0	0	0	0.2742	30.19
50	lower equipment rooms L2 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	174.71
51	lower equipment rooms L3 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	177.35
52	lower equipment rooms L4 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	201.09
53	surge line, below to elevator	0.0004	0	0	0	0.4779	44.6
54	Components to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	35.02
55	surge line, below to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	12.46
56	surge line, below to middle annulus rooms L3 & 4	0.0004	0	0	0	0.43975	9.11
57	Components to middle annulus rooms L3 & 4	0.0004	0	0	0	0.3	6.76
58	Components to middle annulus rooms L3 & 4	0.0004	0	0	0	0.4	33.44
59	Components to middle annulus rooms L3 & 4	0.0004	0	0	0	0.15	17.01
60	surge line, below to access	0.0004	0	0	0	0.4	48.55
61	reactor cavity to upper annulus rooms L1 & 2	0.0004	0	0	0	0.5	42.23
62	surge line, below to staircase (north)	0.0004	0	0	0	0.6	28.68
63	surge line, below to elevator	0.0004	0	0	0	0.6	12.12
64	surge line, below to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	14.14
65	reactor cavity to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	16.8
66	reactor cavity to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4	23.04

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
67	middle equipment rooms L1 to staircase (south)	0.0004	0	0	0	0.6	56.65
68	middle equipment rooms L1 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	114.61
69	middle equipment rooms L2 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	128.02
70	middle equipment rooms L3 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	157.44
71	middle equipment rooms L4 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	138.92
72	surge line, below to staircase (north)	0.0004	0	0	0	0.5	34.46
73	surge line, below to middle annulus rooms L1 & 2	0.0004	0	0	0	0.5	29.64
74	surge line, below to middle annulus rooms L1 & 2	0.0004	0	0	0	0.275	42.08
75	middle equipment rooms L2 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	26.3
76	middle equipment rooms L1 to staircase (south)	0.0004	0	0	0	0.15	8.4
77	PZR to staircase (north)	0.0004	0	0	0	0.5	39.12
78	middle equipment rooms L1 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.10695	79.38
79	middle equipment rooms L4 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.10965	86.6
80	PZR to middle annulus rooms L3 & 4	0.0004	0	0	0	0.5	42.7
81	PZR to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	32.31
82	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.15	156.04

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
83	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4423	316.84
84	upper equipment rooms L1 & 2 to upper annulus rooms L1 & 2	0.0004	0	0	0	0.5	277.91
85	upper equipment rooms L1 & 2 to staircase (south)	0.0004	0	0	0	0.5	16.4
86	upper equipment rooms L1 & 2 to upper annulus rooms L1 & 2	0.0004	0	0	0	0.25	43.19
87	upper equipment rooms L3 & 4 to upper annulus rooms L3 & 4	0.0004	0	0	0	0.5	227.72
88	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.25	29.77
89	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4431	321.22
90	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.15	156.04
91	PZR to upper annulus rooms L3 & 4	0.0004	0	0	0	0.5	47.59
92	PZR to upper annulus rooms L1 & 2	0.0004	0	0	0	0.4	66.57
93	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.25	15.09
94	PZR to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4	17.48
	Vertical wall to non-accessible space	0.0004	0	0	0	0.501	11032
1	spreading rooms to components	0.0004	0	0	0	0.6	91.12
2	spreading rooms to components	0.0004	0	0	0	0.25	91.4
3	spreading rooms to lower equipment rooms L4	0.0004	0	0	0	0.27265	41.92

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
4	spreading rooms to components	0.0004	0	0	0	0.4	25.18
5	Internal wall in SG blowdown (LCQ) HX etc.	0.0004	0	0	0	0.25	12.64
6	RPV pit to SG blowdown (LCQ) HX etc.	0.0004	0	0	0	1.36	5.2
7	Internal wall in components	0.0004	0	0	0	0.25365	299.32
8	RPV pit to components	0.0004	0	0	0	1.36	105.6
9	Internal wall in components	0.0004	0	0	0	0.2	46.9
10	lower equipment rooms L1 to RPV pit	0.0004	0	0	0	1.01135	65.1
11	lower equipment rooms L2 to RPV pit	0.0004	0	0	0	1.0228	61.42
12	RPV pit to lower equipment rooms L3	0.0004	0	0	0	1.0228	61.42
13	RPV pit to lower equipment rooms L4	0.0004	0	0	0	1.0212	63.48
14	RPV pit to surge line, below	0.0004	0	0	0	0.82845	26.88
15	lower equipment rooms L1 to lower equipment rooms L4	0.0004	0	0	0	0.25	30.96
16	lower equipment rooms L2 to surge line, below	0.0004	0	0	0	0.4564	154.18
17	lower equipment rooms L3 to surge line, below	0.0004	0	0	0	0.44975	174.86
18	lower equipment rooms L4 to components	0.0004	0	0	0	0.25	7.46
19	lower equipment rooms L4 to components	0.0004	0	0	0	0.6	34.4
20	Internal wall in surge line, below	0.0004	0	0	0	0.25	154.68
21	Internal wall in components	0.0004	0	0	0	0.4	26.66
22	lower equipment rooms L1 to reactor cavity	0.0004	0	0	0	0.6	68.24
23	lower equipment rooms L2 to reactor cavity	0.0004	0	0	0	0.6	30.48
24	reactor cavity to lower equipment rooms L3	0.0004	0	0	0	0.6	30.48

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
25	reactor cavity to lower equipment rooms L4	0.0004	0	0	0	0.6	65.2
26	Internal wall in reactor cavity	0.0004	0	0	0	0.6	21.74
27	reactor cavity to surge line, below	0.0004	0	0	0	0.6	164.8
28	middle equipment rooms L1 to reactor cavity	0.0004	0	0	0	0.6	569.6
29	middle equipment rooms L2 to reactor cavity	0.0004	0	0	0	0.6	255.12
30	reactor cavity to middle equipment rooms L3	0.0004	0	0	0	0.6	250.64
31	reactor cavity to middle equipment rooms L4	0.0004	0	0	0	0.6	572.64
32	reactor cavity to PZR	0.0004	0	0	0	0.6	132.54
33	Internal wall in equipment rooms L1	0.0004	0	0	0	0.5	84.46
34	lower equipment rooms L1 to lower equipment rooms L2	0.0004	0	0	0	0.5	168.92
35	Internal wall in lower equipment rooms L2	0.0004	0	0	0	0.5	175.48
36	lower equipment rooms L2 to reactor cavity	0.0004	0	0	0	0.4	25.2
37	Internal wall in lower equipment rooms L3	0.0004	0	0	0	0.5	175.48
38	lower equipment rooms L3 to lower equipment rooms L4	0.0004	0	0	0	0.5	168.92
39	Internal wall in lower equipment rooms L4	0.0004	0	0	0	0.5	168.92
40	lower equipment rooms L4 to middle equipment rooms L4	0.0004	0	0	0	0.6	83.78
41	Internal wall in surge line, below	0.0004	0	0	0	0.4	163.86
42	reactor cavity to surge line, below	0.0004	0	0	0	0.25	29.62
43	reactor cavity to surge line, below	0.0004	0	0	0	0.4	17
44	Internal wall in middle equipment rooms L1	0.0004	0	0	0	0.5	127.08

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 10 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
45	middle equipment rooms L1 to middle equipment rooms L2	0.0004	0	0	0	0.75105	62.14
46	Internal wall in middle equipment rooms L2	0.0004	0	0	0	0.5	126.28
47	middle equipment rooms L2 to surge line, below	0.0004	0	0	0	0.4	110.16
48	Internal wall in middle equipment rooms L3	0.0004	0	0	0	0.5	126.48
49	middle equipment rooms L3 to surge line, below	0.0004	0	0	0	0.4	114
50	middle equipment rooms L3 to middle equipment rooms L4	0.0004	0	0	0	0.75155	61.94
51	Internal wall in middle equipment rooms L4	0.0004	0	0	0	0.5	127.52
52	surge line, below to PZR	0.0004	0	0	0	0.275	176.42
53	Internal wall in middle equipment rooms L1	0.0004	0	0	0	0.6	76.72
54	middle equipment rooms L1 to middle equipment rooms L2	0.0004	0	0	0	0.5	61.8
55	middle equipment rooms L2 to PZR	0.0004	0	0	0	0.4	17.84
56	middle equipment rooms L3 to PZR	0.0004	0	0	0	0.4	85
57	middle equipment rooms L3 to middle equipment rooms L4	0.0004	0	0	0	0.5	61.8
58	Internal wall in middle equipment rooms L4	0.0004	0	0	0	0.6	71.04
59	Internal wall in PZR	0.0004	0	0	0	0.4	50.76
60	Internal wall in upper equipment rooms L1 & 2	0.0004	0	0	0	0.4535	226.34
61	Internal wall in upper equipment rooms L3 & 4	0.0004	0	0	0	0.4535	226.34
62	upper equipment rooms L3 & 4 to PZR	0.0004	0	0	0	0.25	102
63	SG blowdown (LCQ) HX etc. to elevator	0.0004	0	0	0	0.4	8.32

Table 6.2.1-5—Containment Heat Sink Inventory
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	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
64	SG blowdown (LCQ) HX etc. to access	0.0004	0	0	0	0.1	37.19
65	SG blowdown (LCQ) HX etc. to lower annulus rooms L1 & 2	0.0004	0	0	0	0.4	5.02
66	SG blowdown (LCQ) HX etc. to lower annulus rooms L3 & 4	0.0004	0	0	0	0.15	5.12
67	Components to hot piping	0.0004	0	0	0	0.5	77.08
68	Components to hot piping	0.0004	0	0	0	0.15	9.28
69	lower equipment rooms L1 to staircase (south)	0.0004	0	0	0	0.6	60.19
70	lower equipment rooms L1 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	178.12
71	lower equipment rooms L1 to components	0.0004	0	0	0	0.2742	30.19
72	lower equipment rooms L2 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	174.71
73	lower equipment rooms L3 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	177.35
74	lower equipment rooms L4 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	201.09
75	surge line, below to elevator	0.0004	0	0	0	0.4779	44.6
76	Components to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	35.02
77	surge line, below to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	12.46
78	surge line, below to middle annulus rooms L3 & 4	0.0004	0	0	0	0.43975	9.11
79	Components to middle annulus rooms L3 & 4	0.0004	0	0	0	0.3	6.76
80	Components to middle annulus rooms L3 & 4	0.0004	0	0	0	0.4	33.44
81	Components to middle annulus rooms L3 & 4	0.0004	0	0	0	0.15	17.01

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 12 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
82	surge line, below to access	0.0004	0	0	0	0.4	48.55
83	reactor cavity to upper annulus rooms L1 & 2	0.0004	0	0	0	0.5	42.23
84	surge line, below to staircase (north)	0.0004	0	0	0	0.6	28.68
85	surge line, below to elevator	0.0004	0	0	0	0.6	12.12
86	surge line, below to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	14.14
87	reactor cavity to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	16.8
88	reactor cavity to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4	23.04
89	middle equipment rooms L1 to staircase (south)	0.0004	0	0	0	0.6	56.65
90	middle equipment rooms L1 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	114.61
91	middle equipment rooms L2 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.6	128.02
92	middle equipment rooms L3 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	157.44
93	middle equipment rooms L4 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.6	138.92
94	surge line, below to staircase (north)	0.0004	0	0	0	0.5	34.46
95	surge line, below to middle annulus rooms L1 & 2	0.0004	0	0	0	0.5	29.64
96	surge line, below to middle annulus rooms L1 & 2	0.0004	0	0	0	0.275	42.08
97	middle equipment rooms L2 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	26.3
98	middle equipment rooms L1 to staircase (south)	0.0004	0	0	0	0.15	8.4
99	PZR to staircase (north)	0.0004	0	0	0	0.5	39.12

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 13 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
100	middle equipment rooms L1 to middle annulus rooms L1 & 2	0.0004	0	0	0	0.10695	79.38
101	middle equipment rooms L4 to middle annulus rooms L3 & 4	0.0004	0	0	0	0.10965	86.6
102	PZR to middle annulus rooms L3 & 4	0.0004	0	0	0	0.5	42.7
103	PZR to middle annulus rooms L1 & 2	0.0004	0	0	0	0.4	32.31
104	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.15	156.04
105	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4423	316.84
106	upper equipment rooms L1 & 2 to upper annulus rooms L1 & 2	0.0004	0	0	0	0.5	277.91
107	upper equipment rooms L1 & 2 to staircase (south)	0.0004	0	0	0	0.5	16.4
108	upper equipment rooms L1 & 2 to upper annulus rooms L1 & 2	0.0004	0	0	0	0.25	43.19
109	upper equipment rooms L3 & 4 to upper annulus rooms L3 & 4	0.0004	0	0	0	0.5	227.72
110	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.25	29.77
111	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4431	321.22
112	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.15	156.04
113	PZR to upper annulus rooms L3 & 4	0.0004	0	0	0	0.5	47.59
114	PZR to upper annulus rooms L1 & 2	0.0004	0	0	0	0.4	66.57

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 14 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
115	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.25	15.09
116	PZR to lower & upper dome L1, 2, 3 & 4	0.0004	0	0	0	0.4	17.48
	Horizontal wall (floor/ceiling) to accessible space	0.001	0	0	0	0.318	8056
1	Internal wall in access	0.001	0	0	0	0.3	23.94
2	lower annulus rooms L1 & 2 to middle annulus rooms L1 & 2	0.001	0	0	0	0.3	595.74
3	lower annulus rooms L3 & 4 to middle annulus rooms L3 & 4	0.001	0	0	0	0.3	756.3
4	staircase (south) to hot piping	0.001	0	0	0	0.3	32.22
5	middle annulus rooms L1 & 2 to hot piping	0.001	0	0	0	0.3	286.54
6	middle annulus rooms L3 & 4 to hot piping	0.001	0	0	0	0.3	250
7	Internal wall in middle annulus rooms L1 & 2	0.001	0	0	0	0.25	560.4
8	Internal wall in middle annulus rooms L3 & 4	0.001	0	0	0	0.25	498.8
9	Internal wall in middle annulus rooms L3 & 4	0.001	0	0	0	0.14925	782.62
10	middle annulus rooms L1 & 2 to middle annulus rooms L3 & 4	0.001	0	0	0	0.95	36.6
11	access to staircase (north)	0.001	0	0	0	0.25	48.4
12	middle annulus rooms L1 & 2 to access	0.001	0	0	0	0.25	47
13	middle annulus rooms L3 & 4 to access	0.001	0	0	0	0.25	52.2
14	Internal wall in middle annulus rooms L1 & 2	0.001	0	0	0	0.15	719.68
15	Internal wall in lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.15	17.38

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 15 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
16	middle annulus rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	167
17	middle annulus rooms L1 & 2 to staircase (south)	0.001	0	0	0	0.5	40.82
18	middle annulus rooms L3 & 4 to upper annulus rooms L3 & 4	0.001	0	0	0	0.5	366.08
19	middle annulus rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	335.16
20	middle annulus rooms L1 & 2 to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	84.26
21	Internal wall in upper annulus rooms L1 & 2	0.001	0	0	0	0.25	359
22	Internal wall in upper annulus rooms L3 & 4	0.001	0	0	0	0.25	430
23	Internal wall in upper annulus rooms L1 & 2	0.001	0	0	0	0.5	132
24	upper annulus rooms L1 & 2 to staircase (south)	0.001	0	0	0	0.25	98.1
25	lower & upper dome L1, 2, 3 & 4 to staircase (north)	0.001	0	0	0	0.25	29
26	lower & upper dome L1, 2, 3 & 4 to elevator	0.001	0	0	0	0.15	13.44
27	upper annulus rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	224
28	upper annulus rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	132
29	Components to hot piping	0.001	0	0	0	0.3	11.3
30	Components to middle annulus rooms L1 & 2	0.001	0	0	0	0.3	9.55
31	Components to staircase (south)	0.001	0	0	0	0.3	7.75
32	Components to middle annulus rooms L3 & 4	0.001	0	0	0	0.26235	27.1
33	Components to middle annulus rooms L1 & 2	0.001	0	0	0	0.95	23.7

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 16 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
34	Components to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.95	26.4
35	reactor cavity to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.6	490.84
36	middle equipment rooms L1 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	69.8
37	middle equipment rooms L2 to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	6.78
38	middle equipment rooms L3 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	17.08
39	middle equipment rooms L4 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	35.88
40	middle equipment rooms L1 to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	47.8
41	middle equipment rooms L4 to upper annulus rooms L3 & 4	0.001	0	0	0	0.5	24.51
42	PZR to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	12.88
43	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	32
44	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	34
45	PZR to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	60
	Horizontal wall (floor/ceiling) to non-accessible space	0.001	0	0	0	0.439	3068
1	spreading rooms to components	0.001	0	0	0	0.7	463.72
2	spreading rooms to components	0.001	0	0	0	0.15	33.4

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 17 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
3	Internal wall in components	0.001	0	0	0	0.7	26.8
4	surge line, below to SG blowdown (LCQ) HX etc.	0.001	0	0	0	0.3	273.84
5	lower equipment rooms L4 to components	0.001	0	0	0	0.3	138.48
6	lower equipment rooms L1 to components	0.001	0	0	0	0.3	81.14
7	Internal wall in components	0.001	0	0	0	0.3	165.68
8	RPV pit to reactor cavity	0.001	0	0	0	0.3	76
9	lower equipment rooms L1 to reactor cavity	0.001	0	0	0	0.6	44.4
10	lower equipment rooms L2 to reactor cavity	0.001	0	0	0	0.68	5.4
11	lower equipment rooms L3 to surge line, below	0.001	0	0	0	0.88	5.4
12	reactor cavity to lower equipment rooms L4	0.001	0	0	0	0.6	56
13	Internal wall in surge line, below	0.001	0	0	0	0.3	226.4
14	reactor cavity to surge line, below	0.001	0	0	0	0.68	17.2
15	reactor cavity to components	0.001	0	0	0	0.6	34.2
16	lower equipment rooms L4 to middle equipment rooms L4	0.001	0	0	0	0.15	61.78
17	Internal wall in surge line, below	0.001	0	0	0	0.15	218
18	reactor cavity to surge line, below	0.001	0	0	0	0.15	17.38
19	middle equipment rooms L3 to PZR	0.001	0	0	0	0.5	9.48
20	Internal wall in PZR	0.001	0	0	0	0.5	80.48
21	Internal wall in upper equipment rooms L3 & 4	0.001	0	0	0	0.15	4.4
22	Internal wall in PZR	0.001	0	0	0	0.25	90.8
23	Components to hot piping	0.001	0	0	0	0.3	11.3

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 18 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
24	Components to middle annulus rooms L1 & 2	0.001	0	0	0	0.3	9.55
25	Components to staircase (south)	0.001	0	0	0	0.3	7.75
26	Components to middle annulus rooms L3 & 4	0.001	0	0	0	0.26235	27.1
27	Components to middle annulus rooms L1 & 2	0.001	0	0	0	0.95	23.7
28	Components to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.95	26.4
29	reactor cavity to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.6	490.84
30	middle equipment rooms L1 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	69.8
31	middle equipment rooms L2 to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	6.78
32	middle equipment rooms L3 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	17.08
33	middle equipment rooms L4 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.5	35.88
34	middle equipment rooms L1 to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	47.8
35	middle equipment rooms L4 to upper annulus rooms L3 & 4	0.001	0	0	0	0.5	24.51
36	PZR to upper annulus rooms L1 & 2	0.001	0	0	0	0.5	12.88
37	upper equipment rooms L1 & 2 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	32
38	upper equipment rooms L3 & 4 to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	34
39	PZR to lower & upper dome L1, 2, 3 & 4	0.001	0	0	0	0.25	60

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 19 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
	Thick steel	0.0002	0.04	0	0	0	2470
1	Components to hot piping	0.0002	0.3	0	0	0	8
2	lower & upper dome L1, 2, 3 & 4 to RB annulus	0.0002	0.05	0	0	0	57
3	Internal steel in lower & upper dome L1, 2, 3 & 4	0.0002	0.0388	0	0	0	1942.8
4	Internal steel in lower & upper dome L1, 2, 3 & 4	0.0002	0.0371	0	0	0	462
	Medium steel	0.0002	0.0086	0	0	0	13230
1	Internal steel in components	0.0002	0.0086	0	0	0	23.72
2	Internal steel in IRWST	0.0002	0.0086	0	0	0	59.8
3	Internal steel in SG blowdown (LCQ) HX etc.	0.0002	0.0086	0	0	0	2.54
4	Internal steel in access	0.0002	0.0086	0	0	0	44.99
5	Internal steel in lower annulus rooms L3 & 4	0.0002	0.0086	0	0	0	37.64
6	Internal steel in hot piping	0.0002	0.0086	0	0	0	35.31
7	Internal steel in lower annulus rooms L1 & 2	0.0002	0.0086	0	0	0	36.47
8	Internal steel in lower equipment rooms L3	0.0002	0.0086	0	0	0	398.32
9	Internal steel in lower equipment rooms L4	0.0002	0.0086	0	0	0	432.57
10	Internal steel in lower equipment rooms L1	0.0002	0.0086	0	0	0	432.57
11	Internal steel in lower equipment rooms L2	0.0002	0.0086	0	0	0	398.32
12	Internal steel in middle annulus rooms L3 & 4	0.0002	0.0086	0	0	0	1928.98
13	Internal steel in middle annulus rooms L1 & 2	0.0002	0.0086	0	0	0	1790.91
14	Internal steel in surge line, below	0.0002	0.0086	0	0	0	48.78
15	Internal steel in middle equipment rooms L3	0.0002	0.0086	0	0	0	926.23
16	Internal steel in middle equipment rooms L4	0.0002	0.0086	0	0	0	881.02

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 20 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
17	Internal steel in middle equipment rooms L1	0.0002	0.0086	0	0	0	881.02
18	Internal steel in middle equipment rooms L2	0.0002	0.0086	0	0	0	926.23
19	Internal steel in PZR	0.0002	0.0086	0	0	0	11.84
20	Internal steel in upper equipment rooms L3 & 4	0.0002	0.0086	0	0	0	818.35
21	Internal steel in upper equipment rooms L1 & 2	0.0002	0.0086	0	0	0	818.35
22	Internal steel in upper annulus rooms L3 & 4	0.0002	0.0086	0	0	0	40.2
23	Internal steel in lower & upper dome L1, 2, 3 & 4	0.0002	0.0086	0	0	0	2194.65
24	Internal steel in upper annulus rooms L1 & 2	0.0002	0.0086	0	0	0	57.34
25	Internal steel in staircase (south)	0.0002	0.0086	0	0	0	4.29
	Thin steel	0.0002	0.0015	0	0	0	8640
1	Internal steel in components	0.0002	0.0015	0	0	0	26.76
2	Internal steel in IRWST	0.0002	0.0015	0	0	0	67.5
3	Internal steel in SG blowdown (LCQ) HX etc.	0.0002	0.0015	0	0	0	4.3
4	Internal steel in access	0.0002	0.0015	0	0	0	60.84
5	Internal steel in lower annulus rooms L3 & 4	0.0002	0.0015	0	0	0	50.93
6	Internal steel in hot piping	0.0002	0.0015	0	0	0	47.78
7	Internal steel in lower annulus rooms L1 & 2	0.0002	0.0015	0	0	0	49.36
8	Internal steel in lower equipment rooms L3	0.0002	0.0015	0	0	0	192.5
9	Internal steel in lower equipment rooms L4	0.0002	0.0015	0	0	0	209.05
10	Internal steel in lower equipment rooms L1	0.0002	0.0015	0	0	0	209.05
11	Internal steel in lower equipment rooms L2	0.0002	0.0015	0	0	0	192.5
12	Internal steel in middle annulus rooms L3 & 4	0.0002	0.0015	0	0	0	1671.17

Table 6.2.1-5—Containment Heat Sink Inventory
Sheet 21 of 21

	Description	Thickness, m					Total Surface, m ²
		Paint	C-Steel	S-Steel	Air	Concrete	
13	Internal steel in middle annulus rooms L1 & 2	0.0002	0.0015	0	0	0	1606.45
14	Internal steel in surge line, below	0.0002	0.0015	0	0	0	109.56
15	Internal steel in middle equipment rooms L3	0.0002	0.0015	0	0	0	454.34
16	Internal steel in middle equipment rooms L4	0.0002	0.0015	0	0	0	427.97
17	Internal steel in middle equipment rooms L1	0.0002	0.0015	0	0	0	428.09
18	Internal steel in middle equipment rooms L2	0.0002	0.0015	0	0	0	454.31
19	Internal steel in PZR	0.0002	0.0015	0	0	0	16.03
20	Internal steel in upper equipment rooms L3 & 4	0.0002	0.0015	0	0	0	415.34
21	Internal steel in upper equipment rooms L1 & 2	0.0002	0.0015	0	0	0	415.34
22	Internal steel in upper annulus rooms L3 & 4	0.0002	0.0015	0	0	0	54.4
23	Internal steel in lower & upper dome L1, 2, 3 & 4	0.0002	0.0015	0	0	0	1392.85
24	Internal steel in upper annulus rooms L1 & 2	0.0002	0.0015	0	0	0	77.6
25	Internal steel in staircase (south)	0.0002	0.0015	0	0	0	5.8

Table 6.2.1-6—Short-Term Containment Response Hot Leg Breaks

Variable	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7	Case 7A	Case 7C
Short Term Containment Analysis Results									
Peak Pressure (psia)	66.45	66.45	65.80	65.80	65.60	65.51	66.53	66.69	66.26
Time of Peak Pressure (s)	32.0	32.0	24.0	24.0	25.0	28.0	25.0	31.0	22.0035
Peak Vapor Temperature (°F)	273.708	273.708	272.842	272.841	272.575	272.457	273.821	273.031	273.46
Time of Peak Vapor Temperature (s)	32.0	32.0	24.0	24.0	25.0	27.0	25.0	31.0	22.0035
Case Description									
Break Configuration ¹	DEG, Cd=1.0	DEG, Cd=1.0	DEG, Cd=1.0	DEG, Cd=1.0	DEG, Cd=0.8	DEG, Cd=0.6	DES, Cd=0.8	DEG, Cd=1.0	DES, Cd=1.0
ECCS	MAX	MIN	MIN	MAX	MIN	MIN	MIN	MIN	MIN
Containment Pressure (psia)	60.0	60.0	60.0	60.0	60.0	60.0	60.0	14.7	14.7
IRWST Temperature (°F)	122	122	122	122	122	122	122	122	122

Notes:

1. DEG = double-ended guillotine; DES = double-ended split.

Table 6.2.1-7—Short Term Containment Response Cold Leg Pump Suction Breaks

Variable	Case 8	Case 9	Case 10	Case 10B	Case 11	Case 12	Case 13	Case 14	Case 14B	Case 14C	Case 14D	Case 14E
Short Term Containment Analysis Results												
Peak Pressure, (psia)	64.6	64.6	65.8	65.8	65.8	66.0	65.9	66.3	66.3	66.2	66.4	66.5
Time of Peak Pressure, (s)	36.0	36.0	38.0	38.0	38.0	39.0	40.0	40.0	40.0	40.0	41.0	40.0
Peak Vapor Temp. (°F)	271.2	271.2	272.8	272.9	272.8	273.0	273.0	273.5	273.6	273.4	273.6	273.7
Time of Peak Vapor Temp (s)	35.0	35.0	38.0	38.0	38.0	39.0	40.0	40.0	40.0	40.0	40.0	40.0
Case Description												
Break Configuration ¹	DEG, Cd=1	DEG, Cd=1	DEG, Cd=1	DEG, Cd=1	DEG, Cd=1	DEG, Cd=0.8	DEG, Cd=0.6	DES, Cd=0.8	DES, Cd=0.8	DES, Cd=0.8	DES, Cd=0.8	DES, Cd=1
ECCS	MAX	MIN	MIN	MIN	MAX	MIN	MIN	MIN	MIN	MIN	MIN	MIN
Containment Pressure (psia)	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	14.7	76.7	60	14.7
IRWST Temp. (°F)	122	122	122	122	122	122	122	122	122	122	248	122

Notes:

1. DEG = double-ended guillotine; DES = double-ended split .