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11B FOCUS SENSITIVITIES – TOP 100 CUTSETS

This appendix documents the top 100 cutsets for all of the Focus and RTNSS sensitivity cases. These cases include Level 1, Level 2, and Shutdown versions of the internal events, fire, flood, and high winds scenarios.

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.18E-04	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
2	5.31E-05	1.18E+00	%T-GEN	GENERAL TRANSIENT
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
3	2.83E-05	1.18E+00	%T-GEN	GENERAL TRANSIENT
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
4	1.97E-05	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
5	1.34E-05	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
6	1.17E-05	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
7	8.87E-06	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
8	8.50E-06	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
9	4.73E-06	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
10	4.25E-06	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
11	4.25E-06	2.83E-02	%T-IORV	IORV

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
12	2.83E-06	2.83E-02	%T-IORV	IORV
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
13	2.24E-06	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
14	1.97E-06	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
15	1.97E-06	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
16	1.97E-06	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
17	1.97E-06	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
18	1.86E-06	1.86E-02	%T-LOPP-GR	GRID RELATED LOSS OF PREFERRED POWER
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
19	1.37E-06	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
20	1.33E-06	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
21	1.27E-06	2.83E-02	%T-IORV	IORV
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
22	1.04E-06	1.04E-02	%T-LOPP-SC	SWITCHYARD CENTERED LOSS OF PREFERRED POWER
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
23	1.02E-06	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
24	1.00E-06	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
25	8.49E-07	2.83E-02	%T-IORV	IORV
		3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
26	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
27	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
28	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
29	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
30	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
31	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
32	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
33	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
34	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
35	7.08E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
36	6.83E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
37	6.83E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
38	6.79E-07	2.83E-02	%T-IORV	IORV
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
39	4.83E-07	4.83E-03	%T-LOPP-WR	WEATHER RELATED LOSS OF PREFERRED POWER
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
40	4.80E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
41	4.59E-07	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
42	4.50E-07	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
43	3.40E-07	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
44	3.28E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
45	3.28E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
46	3.28E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
47	3.28E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
48	3.22E-07	2.83E-02	%T-IORV	IORV
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
49	3.00E-07	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
		3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
50	2.95E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
51	2.45E-07	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
52	2.40E-07	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
53	2.11E-07	1.86E-02	%T-LOPP-GR	GRID RELATED LOSS OF PREFERRED POWER
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
54	2.07E-07	2.07E-03	%T-LOPP-PC	PLANT CENTERED LOSS OF PREFERRED POWER
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
55	1.90E-07	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
56	1.70E-07	1.70E-03	%BOC-FDWA	FEEDWATER LINE A BREAK OUTSIDE CONTAINMENT

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
57	1.70E-07	1.70E-03	%BOC-FDWB	FEEDWATER LINE B BREAK OUTSIDE CONTAINMENT
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
58	1.53E-07	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
59	1.50E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.27E-07	C71-OLU-FC-R_5_6_7	CCF of three components: C71-OLU-FC-RPSDIV1 & C71-OLU-FC-RPSDIV2 & C71-OLU-FC-RP
60	1.50E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.27E-07	C71-OLU-FC-R_5_6_8	CCF of three components: C71-OLU-FC-RPSDIV1 & C71-OLU-FC-RPSDIV2 & C71-OLU-FC-RP
61	1.50E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.27E-07	C71-OLU-FC-R_5_7_8	CCF of three components: C71-OLU-FC-RPSDIV1 & C71-OLU-FC-RPSDIV3 & C71-OLU-FC-RP
62	1.50E-07	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.27E-07	C71-OLU-FC-R_6_7_8	CCF of three components: C71-OLU-FC-RPSDIV2 & C71-OLU-FC-RPSDIV3 & C71-OLU-FC-RP
63	1.18E-07	1.04E-02	%T-LOPP-SC	SWITCHYARD CENTERED LOSS OF PREFERRED POWER
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
64	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
65	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
66	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
67	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
68	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
69	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
70	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
71	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
72	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
73	1.18E-07	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
74	1.16E-07	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
75	1.14E-07	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
76	1.02E-07	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
		3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
77	1.02E-07	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
78	9.70E-08	9.70E-04	%T-SW	COMPLETE LOSS OF PSWS
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
79	9.50E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
80	9.50E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
81	8.16E-08	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
82	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
83	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
84	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
85	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
86	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
87	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
88	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
89	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
90	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
91	8.05E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
92	8.02E-08	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
93	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
94	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
95	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
96	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE

Table 11B-1
Level 1 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
97	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
98	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
99	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
100	7.02E-08	1.17E-01	%T-FDW	LOSS OF FEEDWATER
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.37E-06	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
2	6.83E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
3	6.83E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
4	6.83E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
5	4.12E-07	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
6	2.05E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
7	2.05E-07	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
8	3.06E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
9	3.06E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
10	2.27E-08	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
11	1.64E-08	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
12	1.53E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
13	1.53E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
14	1.53E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
15	1.53E-08	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
16	1.37E-08	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
17	1.18E-08	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
18	1.13E-08	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
19	1.13E-08	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
20	9.21E-09	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
21	8.19E-09	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
22	7.38E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
23	7.08E-09	2.83E-02	%T-IORV	IORV
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
24	6.92E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
25	6.92E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
26	6.83E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs
27	6.83E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
28	6.83E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
29	5.71E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
30	5.71E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
31	5.31E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
32	4.93E-09	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
33	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
34	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
35	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
36	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
37	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
38	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
39	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
40	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
41	4.90E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
42	4.60E-09	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
43	4.60E-09	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
44	3.69E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
45	3.69E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
46	3.45E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
47	3.45E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
48	3.45E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
49	3.45E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
50	2.85E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
51	2.85E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
52	2.85E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
53	2.85E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
54	2.85E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
55	2.85E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
56	2.83E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
57	2.48E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		5.85E-04	B21-SRV-CC_ALL	CCF of all components in group 'B21-SRV-CC'
58	2.46E-09	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
59	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
60	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
61	2.45E-09	2.83E-02	%T-IORV	IORV

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
62	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
63	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
64	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
65	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
66	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
67	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
68	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
69	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
70	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
71	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
72	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
73	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
74	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
75	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
76	2.45E-09	2.83E-02	%T-IORV	IORV
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
77	2.38E-09	2.83E-02	%T-IORV	IORV
		5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
78	2.20E-09	2.83E-02	%T-IORV	IORV
		1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
79	2.08E-09	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
80	2.04E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-04	G21-STR-PG-SPPLUG	FILTER/STRAINER IN SP PLUG
81	1.97E-09	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
82	1.91E-09	2.83E-02	%T-IORV	IORV
		4.19E-07	T10-VB_-CC_1_2_3	CCF of three components: T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
83	1.84E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		9.00E-03	G21-NST-TM-TRAINB	TRAIN B IN MAINTENANCE
84	1.84E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		9.00E-03	G21-NST-TM-TRAINB	TRAIN B IN MAINTENANCE

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
85	1.84E-09	2.83E-02	%T-IORV	IORV
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		9.00E-03	G21-NST-TM-TRAINB	TRAIN B IN MAINTENANCE
86	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
87	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
88	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
89	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
90	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
91	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
92	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
93	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
94	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
95	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
96	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
97	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
98	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
99	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT

Table 11B-2
Level 1 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
100	1.77E-09	1.18E+00	%T-GEN	GENERAL TRANSIENT
		6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	1.18E-04	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
2	5.31E-05	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
3	2.83E-05	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
4	1.97E-05	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
5	1.34E-05	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
6	1.17E-05	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
7	8.87E-06	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
8	4.73E-06	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
9	2.83E-06	OPW2	2.83E-02	%T-IORV	IORV
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
10	2.24E-06	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
11	1.97E-06	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
12	1.97E-06	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
13	1.97E-06	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
14	1.97E-06	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
15	1.86E-06	OPW2	1.86E-02	%T-LOPP-GR	GRID RELATED LOSS OF PREFERRED POWER
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
16	1.33E-06	BYP	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
17	1.27E-06	BYP	2.83E-02	%T-IORV	IORV
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
18	1.18E-06	CCIW	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
19	1.04E-06	OPW2	1.04E-02	%T-LOPP-SC	SWITCHYARD CENTERED LOSS OF PREFERRED POWER
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
20	1.02E-06	OPW2	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
21	1.00E-06	OPW2	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
22	8.49E-07	BYP	2.83E-02	%T-IORV	IORV
			3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
23	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
24	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
25	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
26	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
27	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
28	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
29	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
30	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
31	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
32	7.08E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
33	6.79E-07	BYP	2.83E-02	%T-IORV	IORV
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
34	4.83E-07	OPW2	4.83E-03	%T-LOPP-WR	WEATHER RELATED LOSS OF PREFERRED POWER
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
35	4.80E-07	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
36	4.59E-07	BYP	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
37	4.50E-07	BYP	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
38	3.40E-07	BOC	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
39	3.28E-07	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			1.67E-06	C71-SLU-FC-R 1 2 3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
40	3.28E-07	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
41	3.28E-07	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
42	3.28E-07	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
43	3.22E-07	BYP	2.83E-02	%T-IORV	IORV
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
44	3.00E-07	BYP	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
			3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
45	2.45E-07	BYP	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
46	2.40E-07	BYP	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
47	2.11E-07	BYP	1.86E-02	%T-LOPP-GR	GRID RELATED LOSS OF PREFERRED POWER
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
48	2.07E-07	OPW2	2.07E-03	%T-LOPP-PC	PLANT CENTERED LOSS OF PREFERRED POWER
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
49	1.97E-07	CCIW	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
50	1.70E-07	OPW2	1.70E-03	%BOC-FDWA	FEEDWATER LINE A BREAK OUTSIDE CONTAINMENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
51	1.70E-07	OPW2	1.70E-03	%BOC-FDWB	FEEDWATER LINE B BREAK OUTSIDE CONTAINMENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
52	1.53E-07	BYP	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
53	1.34E-07	CCIW	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
54	1.18E-07	BYP	1.04E-02	%T-LOPP-SC	SWITCHYARD CENTERED LOSS OF PREFERRED POWER
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
55	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
56	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
57	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
58	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
59	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
60	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
61	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
62	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
63	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
64	1.18E-07	OPW2	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
65	1.18E-07	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-03	B21-UV_-OO-F103A	CHECK VALVE F103A FAILS TO CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
66	1.18E-07	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-03	B21-UV_-OO-F103B	CHECK VALVE F103B FAILS TO CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
67	1.17E-07	CCIW	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
68	1.16E-07	BYP	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
69	1.14E-07	BYP	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
70	1.02E-07	BYP	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
			3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
71	9.70E-08	OPW2	9.70E-04	%T-SW	COMPLETE LOSS OF PSWS
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
72	8.50E-08	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
73	8.16E-08	BYP	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
74	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
75	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
76	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
77	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
78	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
79	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
80	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
81	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
82	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
83	8.05E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
84	8.02E-08	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
85	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
86	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
87	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
88	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
89	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
90	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
91	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
92	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
93	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
94	7.02E-08	OPW2	1.17E-01	%T-FDW	LOSS OF FEEDWATER
			6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
95	6.84E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			9.66E-02	B21-PS_COND	CONDITIONAL PROBABILITY OF TOPLSLOCA TOPIORV
			6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
96	6.84E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			9.66E-02	B21-PS_COND	CONDITIONAL PROBABILITY OF TOPLSLOCA TOPIORV
			6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
97	6.84E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			9.66E-02	B21-PS_COND	CONDITIONAL PROBABILITY OF TOPLSLOCA TOPIORV
			6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
98	6.84E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			9.66E-02	B21-PS_COND	CONDITIONAL PROBABILITY OF TOPLSLOCA TOPIORV
			6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
99	6.84E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			9.66E-02	B21-PS_COND	CONDITIONAL PROBABILITY OF TOPLSLOCA TOPIORV

Table 11B-3
Level 2 Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
100	6.84E-08	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			9.66E-02	B21-PS_COND	CONDITIONAL PROBABILITY OF TOPLSLOCA TOPIORV
			6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	1.37E-08	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
2	6.83E-09	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
3	6.83E-09	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
4	6.83E-09	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
5	5.31E-09	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
6	4.12E-09	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
7	2.83E-09	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
8	2.38E-09	OPVB	2.83E-02	%T-IORV	IORV
			5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
9	2.05E-09	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
10	2.05E-09	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
11	1.91E-09	OPVB	2.83E-02	%T-IORV	IORV
			4.19E-07	T10-VB_-CC_1_2_3	CCF of three components: T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
12	1.67E-09	EVE	5.55E-06	%LL-S-FDWA	LARGE STEAM LOCA IN FW LINE A
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
13	8.86E-10	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
14	8.33E-10	EVE	5.55E-06	%LL-S-FDWA	LARGE STEAM LOCA IN FW LINE A
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
15	6.04E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
16	4.73E-10	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
17	3.54E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			6.67E-06	C72-LOG-FC-D_1_2_3	CCF of three components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
18	3.22E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
19	3.06E-10	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
					DEPRESSURIZATION
20	3.06E-10	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
21	2.69E-10	EVE	5.55E-06	%LL-S-FDWB	LARGE STEAM LOCA IN FW LINE B
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
22	2.27E-10	CCIW	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
23	2.05E-10	CCID	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.50E-04	L2-E50-SQV-CC-DELUGE_ALL	CCF of all components in group 'L2-E50-SQV-CC-DELUGE'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
24	1.97E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
25	1.97E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
26	1.97E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
27	1.97E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
28	1.90E-10	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
29	1.90E-10	OPW2	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
30	1.89E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			6.67E-06	C72-LOG-FC-D_1_2_3	CCF of three components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
31	1.77E-10	OPVB	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
32	1.77E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			3.33E-06	C72-LOG-FC-D_1_2	CCF of two components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS
33	1.77E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			3.33E-06	C72-LOG-FC-D_1_3	CCF of two components: C72-LOG-FC-D1DPS & C72-LOG-FC-D3DPS
34	1.77E-10	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			3.33E-06	C72-LOG-FC-D_2_3	CCF of two components: C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
35	1.64E-10	CCIW	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
36	1.53E-10	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
37	1.53E-10	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
38	1.53E-10	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
39	1.53E-10	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
40	1.42E-10	OPVB	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
			4.19E-07	T10-VB_-CC_1_2_3	CCF of three components: T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3
41	1.37E-10	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
42	1.34E-10	EVE	5.55E-06	%LL-S-FDWB	LARGE STEAM LOCA IN FW LINE B
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
43	1.27E-10	BYP	2.83E-02	%T-IORV	IORV
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
44	1.25E-10	OPW1	2.83E-02	%T-IORV	IORV
			4.84E-02	G21-BV_-RE-F308	MISPOSITION OF VALVE F308
			5.68E-07	T15-FLT-PP_ALL	CCF of all components in group 'T15-FLT-PP'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
45	1.25E-10	FR	2.83E-02	%T-IORV	IORV
			4.84E-02	G21-BV_-RE-F308	MISPOSITION OF VALVE F308
			5.68E-07	T15-FLT-PP_ALL	CCF of all components in group 'T15-FLT-PP'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
46	1.18E-10	CCIW	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
47	1.13E-10	CCIW	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
48	1.13E-10	CCIW	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
49	1.03E-10	CCID	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.50E-04	L2-E50-SQV-CC-DELUGE_ALL	CCF of all components in group 'L2-E50-SQV-CC-DELUGE'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
50	1.03E-10	CCID	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.50E-04	L2-E50-SQV-CC-DELUGE_ALL	CCF of all components in group 'L2-E50-SQV-CC-DELUGE'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
51	1.03E-10	CCID	2.83E-02	%T-IORV	IORV
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.50E-04	L2-E50-SQV-CC-DELUGE_ALL	CCF of all components in group 'L2-E50-SQV-CC-DELUGE'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
52	1.01E-10	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
53	9.44E-11	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			3.33E-06	C72-LOG-FC-D_1_2	CCF of two components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS
54	9.44E-11	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			3.33E-06	C72-LOG-FC-D_1_3	CCF of two components: C72-LOG-FC-D1DPS & C72-LOG-FC-D3DPS
55	9.44E-11	BYP	1.18E+00	%T-GEN	GENERAL TRANSIENT
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			3.33E-06	C72-LOG-FC-D_2_3	CCF of two components: C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
56	9.21E-11	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
57	8.49E-11	BYP	2.83E-02	%T-IORV	IORV
			3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
58	8.19E-11	CCIW	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
59	8.07E-11	EVE	5.55E-06	%LL-S-FDWB	LARGE STEAM LOCA IN FW LINE B
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
60	7.38E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
61	7.07E-11	CCIW	2.83E-02	%T-IORV	IORV
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
62	6.92E-11	CCIW	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
63	6.92E-11	CCIW	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
64	6.83E-11	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
65	6.83E-11	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
66	6.83E-11	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
67	6.79E-11	BYP	2.83E-02	%T-IORV	IORV
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
68	6.37E-11	BYP	2.83E-02	%T-IORV	IORV
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
69	6.17E-11	CCID	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.50E-04	L2-E50-SQV-CC-DELUGE_ALL	CCF of all components in group 'L2-E50-SQV-CC-DELUGE'
70	6.16E-11	BYP	2.83E-02	%T-IORV	IORV
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
71	5.91E-11	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			6.67E-06	C72-LOG-FC-D_1_2_3	CCF of three components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
72	5.71E-11	CCIW	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
73	5.71E-11	CCIW	1.18E+00	%T-GEN	GENERAL TRANSIENT
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
74	5.44E-11	BOC	3.40E-03	%BOC-RWCU	RWCU LINE BREAK OUTSIDE CONTAINMENT
			2.00E-03	G31-ACV-OO-F007A	NOV F007A FAILS TO CLOSE
			2.00E-03	G31-ACV-OO-F008A	ACV F008A FAILS TO CLOSE
			4.00E-03	G31-MOV-OO-F044A	MOTOR OPERATED VALVE F044A FAILS TO CLOSE
75	5.38E-11	BYP	1.97E-01	%T-PCS	TRANSIENT WITH PCS UNAVAILABLE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
76	5.33E-11	BOC	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISOV1 & T10-UV_-CC-ISOV2 & T10-UV_-CC-ISOV3
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
77	5.31E-11	CCIW	1.18E+00	%T-GEN	GENERAL TRANSIENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
78	4.93E-11	CCIW	3.39E-04	%LL-S	LARGE STEAM LOCA (NO FW LINE BREAK)
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
79	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
80	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
81	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
82	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
83	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
84	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
85	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
86	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
87	4.90E-11	CCIW	2.83E-02	%T-IORV	IORV
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
			2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
88	4.60E-11	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
89	4.60E-11	CCIW	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
90	4.59E-11	BYP	1.02E-02	%T-IA	COMPLETE LOSS OF AIR SYSTEMS
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
91	4.50E-11	BYP	1.00E-02	%BOC-MS	MAIN STEAM LINE BREAK OUTSIDE CONTAINMENT
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
92	4.27E-11	BOC	6.33E-04	%SL-S	SMALL STEAM LOCA (NO RWCU BREAK)
			4.19E-07	T10-VB_-CC_1_2_3	CCF of three components: T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
93	4.24E-11	BYP	2.83E-02	%T-IORV	IORV
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
94	4.11E-11	BYP	2.83E-02	%T-IORV	IORV
			3.00E-05	C71-DTM-FC-R_ALL	CCF of all components in group 'C71-DTM-FC-R'
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
95	4.03E-11	EVE	5.55E-06	%LL-S-FDWB	LARGE STEAM LOCA IN FW LINE B
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
96	3.95E-11	BOC	7.55E-05	%ML-L	MEDIUM LIQUID LOCA (NO RWCU BREAK)
			5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
97	3.77E-11	OPW1	2.83E-02	%T-IORV	IORV
			4.84E-02	G21-BV_-RE-F308	MISPOSITION OF VALVE F308
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			5.68E-07	T15-FLT-PP_ALL	CCF of all components in group 'T15-FLT-PP'
98	3.69E-11	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
99	3.69E-11	CCIW	2.83E-02	%T-IORV	IORV
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW

Table 11B-4
Level 2 Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
100	3.45E-11	CCIW	1.43E-04	%SL-L	SMALL LIQUID LOCA (NO RWCU BREAK)
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	3.53E-07	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
2	2.11E-07	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
3	2.02E-07	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
4	2.02E-07	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
5	1.98E-07	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
6	1.98E-07	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
7	9.90E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
8	6.60E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
9	5.28E-08	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
10	3.47E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
11	3.47E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
12	3.47E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
13	3.47E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
14	2.40E-08	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
15	1.98E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
16	1.57E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
17	1.57E-08	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
18	7.50E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
19	7.49E-09	3.27E-04	%M5-G31	LOSS OF RWCU/SDC MODE 5
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
20	6.34E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		9.60E-06	E50-SQV-CO-F009A	SQUIB DELUGE VALVE F009A SPUR. OPENING [#7]
21	6.34E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		9.60E-06	E50-SQV-CO-F009D	SQUIB DELUGE VALVE F009D SPUR. OPENING [#7]
22	6.34E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		9.60E-06	E50-SQV-CO-F009E	SQUIB DELUGE VALVE F009E SPUR. OPENING [#7]
23	6.34E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		9.60E-06	E50-SQV-CO-F009H	SQUIB DELUGE VALVE F009H SPUR. OPENING [#7]
24	6.34E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		9.60E-06	E50-SQV-CO-F009J	SQUIB DELUGE VALVE F009J SPUR. OPENING [#7]
25	6.34E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		9.60E-06	E50-SQV-CO-F009M	SQUIB DELUGE VALVE F009M SPUR. OPENING [#7]
26	6.00E-09	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
27	5.94E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
28	5.94E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
29	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_2_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003B & E50-UV_-OC-F003E
30	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_3_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003C & E50-UV_-OC-F003E
31	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_4_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003E
32	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_4_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003H
33	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_5_6	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003F
34	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_5_7	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003G
35	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_1_5_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003H
36	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_2_4_8	CCF of three components: E50-UV_-OC-F003B & E50-UV_-OC-F003D & E50-UV_-OC-F003H
37	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		7.05E-06	E50-UV_OC_3_4_8	CCF of three components: E50-UV_-OC-F003C & E50-UV_-OC-F003D & E50-UV_-OC-F003H
38	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_4_5_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003E & E50-UV_-OC-F003H
39	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_4_6_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003F & E50-UV_-OC-F003H
40	4.65E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.05E-06	E50-UV_OC_4_7_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003G & E50-UV_-OC-F003H
41	2.93E-09	2.93E-07	%M6F_LOCA_I	INSTRUMENT LINE LOCA IN MODE 6 FLOODED
		1.00E-02	DWH-2	FAILURE TO CLOSE DRYWELL HATCH
42	2.35E-09	2.35E-07	%M5-LOCA-I	LOCA - INSTRUMENT LINE BELOW TAF MODE 5
		1.00E-02	DWH-2	FAILURE TO CLOSE DRYWELL HATCH
43	1.87E-09	8.18E-05	%M5O_G31	LOSS OF RWCU/SDC - MODE 5 OPEN
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
44	1.76E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.67E-06	E50-UV_OC_1_5	CCF of two components: E50-UV_-OC-F003A & E50-UV_-OC-F003E
45	1.76E-09	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.67E-06	E50-UV_OC_4_8	CCF of two components: E50-UV_-OC-F003D & E50-UV_-OC-F003H
46	8.92E-10	8.92E-09	%M6F_LOCA_R	RWCU LOCA IN MODE 6 FLOODED
		1.00E-01	DWH-1	CLOSE LOWER DRYWELL HATCH

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
47	8.59E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
48	8.51E-10	3.27E-04	%M5-G31	LOSS OF RWCU/SDC MODE 5
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
49	7.33E-10	7.33E-08	%M6U_LOCA-I	INSTRUMENT LINE LOCA - MODE 6 UNFLOODED
		1.00E-02	DWH-2	FAILURE TO CLOSE DRYWELL HATCH
50	7.13E-10	7.13E-09	%M5-LOCA-RW	LOCA - RWCU BELOW TAF
		1.00E-01	DWH-1	CLOSE LOWER DRYWELL HATCH
51	5.86E-10	5.86E-08	%M5O_LOCA_I	LOCA - INSTRUMENT LINE - MODE 5 OPEN
		1.00E-02	DWH-2	FAILURE TO CLOSE DRYWELL HATCH
52	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_2_5	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002B & E50-SQV-CC-F002E
53	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_3_5	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002C & E50-SQV-CC-F002E
54	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_4_5	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002D & E50-SQV-CC-F002E
55	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_4_8	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002D & E50-SQV-CC-F002H

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
56	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_5_6	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002E & E50-SQV-CC-F002F
57	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_5_7	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002E & E50-SQV-CC-F002G
58	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_1_5_8	CCF of three components: E50-SQV-CC-F002A & E50-SQV-CC-F002E & E50-SQV-CC-F002H
59	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_2_4_8	CCF of three components: E50-SQV-CC-F002B & E50-SQV-CC-F002D & E50-SQV-CC-F002H
60	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_3_4_8	CCF of three components: E50-SQV-CC-F002C & E50-SQV-CC-F002D & E50-SQV-CC-F002H
61	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_4_5_8	CCF of three components: E50-SQV-CC-F002D & E50-SQV-CC-F002E & E50-SQV-CC-F002H
62	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_4_6_8	CCF of three components: E50-SQV-CC-F002D & E50-SQV-CC-F002F & E50-SQV-CC-F002H
63	5.24E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		7.94E-07	E50-SQV-CC_4_7_8	CCF of three components: E50-SQV-CC-F002D & E50-SQV-CC-F002G & E50-SQV-CC-F002H
64	3.87E-10	3.32E-06	%M6U_LPSWS	LOSS OF SERVICE WATER - MODE 6 UNFLOODED
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.18E-01	R-PSWS-6	SERVICE WATER RECOVERY
65	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
66	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
67	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
68	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
69	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
70	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
71	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
72	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
73	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
74	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
75	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
76	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
77	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
78	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
79	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
80	2.82E-10	5.28E-04	%M5O_LOPP	LOSS OF PREF POWER - MODE 5 OPEN
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
81	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_2	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002B
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
82	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_3	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002C
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
83	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_4	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002D
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
84	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_4	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002D
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
85	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_6	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002F
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
86	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_7	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002G

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
87	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_8	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002H
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
88	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_1_8	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002H
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
89	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_2_4	CCF of two components: E50-SQV-CC-F002B & E50-SQV-CC-F002D
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
90	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_2_5	CCF of two components: E50-SQV-CC-F002B & E50-SQV-CC-F002E
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
91	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_2_8	CCF of two components: E50-SQV-CC-F002B & E50-SQV-CC-F002H
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
92	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_3_4	CCF of two components: E50-SQV-CC-F002C & E50-SQV-CC-F002D
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
93	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_3_5	CCF of two components: E50-SQV-CC-F002C & E50-SQV-CC-F002E
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG

Table 11B-5
Shutdown Internal Events Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
94	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_3_8	CCF of two components: E50-SQV-CC-F002C & E50-SQV-CC-F002H
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
95	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_4_5	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002E
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
96	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_4_5	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002E
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
97	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_4_6	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002F
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
98	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_4_7	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002G
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
99	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_5_6	CCF of two components: E50-SQV-CC-F002E & E50-SQV-CC-F002F
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
100	2.75E-10	6.60E-04	%M6U_LOPP	LOSS OF PREF POWER - MODE 6 UNFLOODED
		2.38E-05	E50-SQV-CC_5_7	CCF of two components: E50-SQV-CC-F002E & E50-SQV-CC-F002G
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.71E-08	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
2	9.78E-09	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
3	9.78E-09	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
4	9.60E-09	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
5	9.58E-09	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
6	5.68E-09	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
7	4.79E-09	6.60E-04	%M6U_LOPP	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
8	3.25E-09	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
9	3.25E-09	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
10	3.19E-09	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
11	3.19E-09	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
12	2.93E-09	2.93E-07	%M6F_LOCA_I	
		1.00E-02	DWH-2	
13	2.35E-09	2.35E-07	%M5-LOCA-I	
		1.00E-02	DWH-2	
14	1.68E-09	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
15	1.68E-09	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
16	1.68E-09	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
17	1.68E-09	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
18	1.59E-09	6.60E-04	%M6U_LOPP	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
19	9.60E-10	6.60E-04	%M6U_LOPP	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
20	8.92E-10	8.92E-09	%M6F_LOCA_R	
		1.00E-01	DWH-1	
21	7.61E-10	6.60E-04	%M6U_LOPP	
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
22	7.61E-10	6.60E-04	%M6U_LOPP	
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
23	7.33E-10	7.33E-08	%M6U_LOCA-I	
		1.00E-02	DWH-2	
24	7.13E-10	7.13E-09	%M5-LOCA-RW	
		1.00E-01	DWH-1	
25	5.86E-10	5.86E-08	%M5O_LOCA_I	
		1.00E-02	DWH-2	
26	5.68E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
27	5.58E-10	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
28	5.58E-10	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
29	5.58E-10	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
30	5.58E-10	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
31	3.87E-10	3.32E-06	%M6U_LPSWS	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-PSWS-6	
32	3.25E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
33	3.25E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
34	3.19E-10	6.60E-04	%M6U_LOPP	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
35	3.19E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
36	3.19E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
37	3.07E-10	6.60E-04	%M6U_LOPP	
		9.60E-06	E50-SQV-CO-F009A	SQUIB DELUGE VALVE F009A SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
38	3.07E-10	6.60E-04	%M6U_LOPP	
		9.60E-06	E50-SQV-CO-F009D	SQUIB DELUGE VALVE F009D SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
39	3.07E-10	6.60E-04	%M6U_LOPP	
		9.60E-06	E50-SQV-CO-F009E	SQUIB DELUGE VALVE F009E SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
40	3.07E-10	6.60E-04	%M6U_LOPP	
		9.60E-06	E50-SQV-CO-F009H	SQUIB DELUGE VALVE F009H SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
41	3.07E-10	6.60E-04	%M6U_LOPP	
		9.60E-06	E50-SQV-CO-F009J	SQUIB DELUGE VALVE F009J SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
42	3.07E-10	6.60E-04	%M6U_LOPP	
		9.60E-06	E50-SQV-CO-F009M	SQUIB DELUGE VALVE F009M SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
43	3.07E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
44	2.87E-10	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
45	2.87E-10	6.60E-04	%M6U_LOPP	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
46	2.53E-10	6.60E-04	%M6U_LOPP	
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
47	2.53E-10	6.60E-04	%M6U_LOPP	
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
48	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_2_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003B & E50-UV_-OC-F003E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
49	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_3_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003C & E50-UV_-OC-F003E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
50	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_4_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003E

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
51	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_4_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
52	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_5_6	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003F
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
53	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_5_7	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003G
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
54	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_1_5_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
55	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_2_4_8	CCF of three components: E50-UV_-OC-F003B & E50-UV_-OC-F003D & E50-UV_-OC-F003H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
56	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_3_4_8	CCF of three components: E50-UV_-OC-F003C & E50-UV_-OC-F003D & E50-UV_-OC-F003H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
57	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_4_5_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003E & E50-UV_-OC-F003H

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
58	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_4_6_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003F & E50-UV_-OC-F003H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
59	2.25E-10	6.60E-04	%M6U_LOPP	
		7.05E-06	E50-UV_OC_4_7_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003G & E50-UV_-OC-F003H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
60	2.23E-10	2.23E-09	%M6U_LOCA-RW	
		1.00E-01	DWH-1	
61	2.22E-10	3.32E-06	%M6U_LPSWS	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-PSWS-6	
62	2.22E-10	3.32E-06	%M6U_LPSWS	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-PSWS-6	
63	2.17E-10	3.32E-06	%M6U_LPSWS	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-PSWS-6	
64	2.17E-10	3.32E-06	%M6U_LPSWS	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-PSWS-6	

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
65	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
66	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
67	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
68	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
69	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
70	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
71	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
72	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
73	2.03E-10	6.60E-04	%M6U_LOPP	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
74	1.78E-10	1.78E-09	%M5O_LOCA_R	
		1.00E-01	DWH-1	
75	1.75E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
76	1.75E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
77	1.72E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
78	1.72E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
79	1.59E-10	6.60E-04	%M6U_LOPP	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
80	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
81	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
82	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
83	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
84	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
85	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
86	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
87	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
88	1.16E-10	6.60E-04	%M6U_LOPP	

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
89	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
90	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
91	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
92	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
93	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
94	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
95	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
96	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
97	1.16E-10	6.60E-04	%M6U_LOPP	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN

Table 11B-6
Shutdown Internal Events RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
98	1.14E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
99	1.14E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
100	1.14E-10	6.60E-04	%M6U_LOPP	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1*	2.73E-05	2.73E-05	%F1311_F1341	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
2*	2.67E-05	2.67E-05	%F1341_F1311	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
3*	6.46E-06	6.46E-06	%F1220_F1230	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
4*	4.93E-06	4.93E-06	%F1210_F1240	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
5	4.39E-06	2.73E-05	%F1311_F1341	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
6	4.30E-06	2.67E-05	%F1341_F1311	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
7*	3.76E-06	3.76E-06	%F1230_F1220	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
8*	3.56E-06	3.56E-06	%F1240_F1210	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
9	2.89E-06	2.89E-02	%F4100	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
10	1.80E-06	1.80E-02	%FSWYD	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
11	1.47E-06	1.48E-02	%F4103	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
12	1.37E-06	1.37E-02	%F5154	

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
13	1.37E-06	1.37E-02	%F5164	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
14	1.04E-06	6.46E-06	%F1220_F1230	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
15	1.04E-06	1.04E-02	%F4308	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
16	7.94E-07	4.93E-06	%F1210_F1240	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
17	7.67E-07	7.67E-03	%F5550	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
18	7.57E-07	7.57E-03	%F5560	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
19	7.05E-07	7.05E-03	%F7300	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
20	6.06E-07	3.76E-06	%F1230_F1220	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
21	5.73E-07	3.56E-06	%F1240_F1210	
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
22	5.32E-07	5.32E-03	%F3302	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
23	5.11E-07	5.12E-03	%F7100	

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
24	4.93E-07	4.93E-03	%F3301	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
25	4.30E-07	4.30E-03	%F1162	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
26	4.03E-07	4.03E-03	%F1150	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
27	3.69E-07	3.69E-03	%F1311	
		1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
28	3.69E-07	3.69E-03	%F1311	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
29	3.65E-07	3.65E-03	%F1321	
		1.00E-04	B32-NPO-CC-F104C	F104C fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
30	3.65E-07	3.65E-03	%F1321	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
31	3.62E-07	3.62E-03	%F1331	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
32	3.62E-07	3.62E-03	%F1331	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
33	3.61E-07	3.61E-03	%F1341	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
34	3.61E-07	3.61E-03	%F1341	

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
35	3.47E-07	3.47E-03	%F3270	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
36	3.29E-07	2.89E-02	%F4100	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
37	2.98E-07	2.98E-03	%F4250	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
38	2.98E-07	2.98E-03	%F4260	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
39	2.43E-07	2.43E-03	%FFPE	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
40	2.36E-07	2.36E-03	%F4271	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
41	2.36E-07	2.36E-03	%F4272	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
42	2.36E-07	2.36E-03	%F4273	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
43	2.36E-07	2.36E-03	%F5157	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
44	2.36E-07	2.36E-03	%F5158	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
45	2.36E-07	2.36E-03	%F5167	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
46	2.36E-07	2.36E-03	%F5168	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
47	2.34E-07	2.34E-03	%F2100	

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
48	2.25E-07	2.25E-03	%F5302	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
49	2.20E-07	2.20E-03	%F1152	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
50	2.05E-07	1.80E-02	%FSWYD	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
51	1.68E-07	1.48E-02	%F4103	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
52	1.55E-07	1.37E-02	%F5154	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
53	1.55E-07	1.37E-02	%F5164	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
54	1.40E-07	1.40E-03	%F1203	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
55	1.40E-07	1.40E-03	%F3110	
		1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
56	1.40E-07	1.40E-03	%F3110	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
57	1.40E-07	1.40E-03	%F4350	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
58	1.40E-07	1.40E-03	%F4360	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
59	1.39E-07	1.39E-03	%F3120	
		1.00E-04	B32-NPO-CC-F104C	F104C fails to open

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
60	1.39E-07	1.39E-03	%F3120	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
61	1.35E-07	1.35E-03	%F4550	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
62	1.35E-07	1.35E-03	%F4560	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
63	1.33E-07	1.33E-03	%F1160	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
64	1.32E-07	1.32E-03	%F3130	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
65	1.32E-07	1.32E-03	%F3130	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
66	1.32E-07	1.32E-03	%F3140	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
67	1.32E-07	1.32E-03	%F3140	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
68	1.25E-07	1.25E-03	%F5360	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
69	1.24E-07	1.24E-03	%F5350	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
70	1.18E-07	1.04E-02	%F4308	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
71	1.06E-07	1.06E-03	%F5100	

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
72	9.03E-08	9.03E-04	%F9160	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
73	8.94E-08	8.94E-04	%F4307	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
74	8.73E-08	8.73E-04	%F1220	
		1.00E-04	B32-NPO-CC-F104C	F104C fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
75	8.73E-08	8.73E-04	%F1220	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
76	8.72E-08	7.67E-03	%F5550	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
77	8.60E-08	7.57E-03	%F5560	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
78	8.02E-08	7.05E-03	%F7300	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
79	7.04E-08	7.04E-04	%F9150	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
80	6.67E-08	6.67E-04	%F1210	
		1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
81	6.67E-08	6.67E-04	%F1210	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
82	6.05E-08	5.32E-03	%F3302	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
83	5.82E-08	5.12E-03	%F7100	

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
84	5.61E-08	4.93E-03	%F3301	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
85	5.10E-08	5.10E-04	%FDPS	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
86	5.08E-08	5.08E-04	%F1230	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
87	5.08E-08	5.08E-04	%F1230	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
88	4.89E-08	4.30E-03	%F1162	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
89	4.81E-08	4.81E-04	%F1240	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
90	4.81E-08	4.81E-04	%F1240	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
91	4.58E-08	4.03E-03	%F1150	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
92	4.46E-08	4.46E-04	%F5150	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
93	4.46E-08	4.46E-04	%F5160	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
94	4.39E-08	2.73E-05	%F1311_F1341	
		1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-7
Level 1 Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
95	4.30E-08	2.67E-05	%F1341_F1311	
		1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
96	4.19E-08	3.69E-03	%F1311	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
97	4.15E-08	3.65E-03	%F1321	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
98	4.12E-08	3.62E-03	%F1331	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
99	4.10E-08	3.61E-03	%F1341	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
100	4.05E-08	4.05E-04	%F1120	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
*	These cutsets are the result the cross-connect valves to the ICS/PCCS pools being conservatively modeled as only			
	receiving one division of safety-related signal each. These valves will eventually be designed to feature multiple signal			
	divisions; at that time these cutsets will be invalid.			

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	5.10E-08	5.10E-04	%FDPS	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
2	5.83E-09	3.62E-03	%F1331	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
3	5.81E-09	3.61E-03	%F1341	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
4	3.65E-09	3.65E-05	%F3301_FDPS	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
5	2.96E-09	9.86E-06	%F1321_F1162	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
6	1.48E-09	9.86E-06	%F1321_F1162	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
7	1.48E-09	9.86E-06	%F1321_F1162	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
8	1.32E-09	2.73E-05	%F1311_F1331	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
9	1.32E-09	2.73E-05	%F1311_F1341	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
10	1.31E-09	2.70E-05	%F1321_F1203	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
11	1.31E-09	2.70E-05	%F1321_F1341	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
12	1.30E-09	2.68E-05	%F1331_F1203	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
13	1.30E-09	2.68E-05	%F1331_F1311	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
14	1.29E-09	2.67E-05	%F1341_F1311	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
15	1.29E-09	2.67E-05	%F1341_F1321	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
16	9.21E-10	3.69E-03	%F1311	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
17	9.13E-10	3.65E-03	%F1321	

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
18	8.05E-10	3.62E-03	%F1331	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
19	8.01E-10	3.61E-03	%F1341	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
20	7.08E-10	2.36E-06	%F1220_F1162	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
21	6.59E-10	2.73E-05	%F1311_F1331	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
22	6.59E-10	2.73E-05	%F1311_F1331	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
23	6.59E-10	2.73E-05	%F1311_F1331	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
24	6.59E-10	2.73E-05	%F1311_F1341	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
25	6.59E-10	2.73E-05	%F1311_F1341	

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
26	6.59E-10	2.73E-05	%F1311_F1341	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
27	6.53E-10	2.70E-05	%F1321_F1203	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
28	6.53E-10	2.70E-05	%F1321_F1203	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
29	6.53E-10	2.70E-05	%F1321_F1203	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
30	6.53E-10	2.70E-05	%F1321_F1341	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
31	6.53E-10	2.70E-05	%F1321_F1341	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
32	6.53E-10	2.70E-05	%F1321_F1341	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
33	6.48E-10	3.62E-03	%F1331	
		1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
		1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
34	6.47E-10	2.68E-05	%F1331_F1203	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
35	6.47E-10	2.68E-05	%F1331_F1203	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
36	6.47E-10	2.68E-05	%F1331_F1203	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
37	6.47E-10	2.68E-05	%F1331_F1311	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
38	6.47E-10	2.68E-05	%F1331_F1311	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
39	6.47E-10	2.68E-05	%F1331_F1311	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
40	6.45E-10	3.61E-03	%F1341	
		1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
		1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
41	6.45E-10	2.67E-05	%F1341_F1311	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
42	6.45E-10	2.67E-05	%F1341_F1311	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
43	6.45E-10	2.67E-05	%F1341_F1311	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
44	6.45E-10	2.67E-05	%F1341_F1321	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
45	6.45E-10	2.67E-05	%F1341_F1321	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
46	6.45E-10	2.67E-05	%F1341_F1321	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
47	5.83E-10	3.62E-03	%F1331	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
48	5.81E-10	3.61E-03	%F1341	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
49	5.62E-10	2.25E-03	%F5302	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
50	4.91E-10	3.62E-03	%F1331	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.36E-03	U43-EDP-FR_1_2	CCF of two components: U43-EDP-FR-P1A & U43-EDP-FR-P2A
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
51	4.89E-10	3.61E-03	%F1341	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.36E-03	U43-EDP-FR_1_2	CCF of two components: U43-EDP-FR-P1A & U43-EDP-FR-P2A
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
52	4.81E-10	9.95E-06	%F1311_F1150	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
53	4.81E-10	9.95E-06	%F1311_F1210	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
			DEPRESS	
54	4.77E-10	9.86E-06	%F1321_F1162	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
55	4.77E-10	9.86E-06	%F1321_F1220	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
56	4.73E-10	9.78E-06	%F1331_F1152	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
57	4.73E-10	9.78E-06	%F1331_F1230	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
58	4.71E-10	9.74E-06	%F1341_F1160	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
59	4.71E-10	9.74E-06	%F1341_F1240	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
60	4.34E-10	2.73E-05	%F1311_F1331	
		9.00E-04	C71-SLU-FC-RPSDIV4	RPS DIV IV TLU FAILS
		1.77E-02	REC_MANSCRAM	

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
61	4.34E-10	2.73E-05	%F1311_F1341	
		9.00E-04	C71-SLU-FC-RPSDIV3	RPS DIV III TLU FAILS
		1.77E-02	REC_MANSCRAM	
62	4.31E-10	2.70E-05	%F1321_F1341	
		9.00E-04	C71-SLU-FC-RPSDIV1	RPS DIV I TLU FAILS
		1.77E-02	REC_MANSCRAM	
63	4.27E-10	2.68E-05	%F1331_F1311	
		9.00E-04	C71-SLU-FC-RPSDIV4	RPS DIV IV TLU FAILS
		1.77E-02	REC_MANSCRAM	
64	4.25E-10	2.67E-05	%F1341_F1311	
		9.00E-04	C71-SLU-FC-RPSDIV3	RPS DIV III TLU FAILS
		1.77E-02	REC_MANSCRAM	
65	4.25E-10	2.67E-05	%F1341_F1321	
		9.00E-04	C71-SLU-FC-RPSDIV1	RPS DIV I TLU FAILS
		1.77E-02	REC_MANSCRAM	
66	4.06E-10	5.10E-04	%FDPS	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.77E-02	REC_MANSCRAM	
67	3.97E-10	2.73E-05	%F1311_F1331	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
68	3.97E-10	2.73E-05	%F1311_F1341	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
69	3.93E-10	2.70E-05	%F1321_F1203	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
70	3.93E-10	2.70E-05	%F1321_F1341	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
71	3.90E-10	2.68E-05	%F1331_F1203	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
72	3.90E-10	2.68E-05	%F1331_F1311	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
73	3.88E-10	2.67E-05	%F1341_F1311	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
74	3.88E-10	2.67E-05	%F1341_F1321	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
75	3.77E-10	3.77E-06	%FDPS_F3301	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
76	3.54E-10	2.20E-03	%F1152	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
		1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
77	3.53E-10	2.36E-06	%F1220_F1162	

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
78	3.53E-10	2.36E-06	%F1220_F1162	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
79	3.50E-10	1.40E-03	%F3110	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
80	3.48E-10	1.39E-03	%F3120	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
81	3.12E-10	6.46E-06	%F1220_F1230	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
82	3.12E-10	6.46E-06	%F1220_F1240	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
83	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
84	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
85	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
86	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
87	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
88	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
89	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
90	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
91	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
92	3.06E-10	5.10E-04	%FDPS	
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
93	2.90E-10	2.73E-05	%F1311_F1331	
		6.00E-04	C71-DTM-FC-RPSDIV2	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	
94	2.90E-10	2.73E-05	%F1311_F1331	
		6.00E-04	C71-DTM-FC-RPSDIV4	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	
95	2.90E-10	2.73E-05	%F1311_F1341	

Table 11B-8
Level 1 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		6.00E-04	C71-DTM-FC-RPSDIV2	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	
96	2.90E-10	2.73E-05	%F1311_F1341	
		6.00E-04	C71-DTM-FC-RPSDIV3	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	
97	2.89E-10	2.89E-02	%F4100	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
98	2.87E-10	2.70E-05	%F1321_F1341	
		6.00E-04	C71-DTM-FC-RPSDIV1	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	
99	2.87E-10	2.70E-05	%F1321_F1341	
		6.00E-04	C71-DTM-FC-RPSDIV3	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	
100	2.85E-10	2.68E-05	%F1331_F1311	
		6.00E-04	C71-DTM-FC-RPSDIV2	DIGITAL TRIP MODULE FAILS TO FUNCTION
		1.77E-02	REC_MANSCRAM	

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1*	2.73E-05	OPW2	2.73E-05	%F1311_F1341	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
2*	2.67E-05	OPW2	2.67E-05	%F1341_F1311	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
3*	6.46E-06	OPW2	6.46E-06	%F1220_F1230	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
4*	4.93E-06	OPW2	4.93E-06	%F1210_F1240	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
5	4.39E-06	OPW2	2.73E-05	%F1311_F1341	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
6	4.30E-06	OPW2	2.67E-05	%F1341_F1311	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
7*	3.76E-06	OPW2	3.76E-06	%F1230_F1220	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
8*	3.56E-06	OPW2	3.56E-06	%F1240_F1210	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
9	2.89E-06	OPW2	2.89E-02	%F4100	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
10	1.80E-06	OPW2	1.80E-02	%FSWYD	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
11	1.47E-06	OPW2	1.48E-02	%F4103	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
12	1.37E-06	OPW2	1.37E-02	%F5154	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
13	1.37E-06	OPW2	1.37E-02	%F5164	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
14	1.04E-06	OPW2	6.46E-06	%F1220_F1230	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
15	1.04E-06	OPW2	1.04E-02	%F4308	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
16	7.94E-07	OPW2	4.93E-06	%F1210_F1240	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
17	7.67E-07	OPW2	7.67E-03	%F5550	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
18	7.57E-07	OPW2	7.57E-03	%F5560	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
19	7.05E-07	OPW2	7.05E-03	%F7300	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
20	6.06E-07	OPW2	3.76E-06	%F1230_F1220	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
21	5.73E-07	OPW2	3.56E-06	%F1240_F1210	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
22	5.32E-07	OPW2	5.32E-03	%F3302	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
23	5.11E-07	OPW2	5.12E-03	%F7100	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
24	4.93E-07	OPW2	4.93E-03	%F3301	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
25	4.30E-07	OPW2	4.30E-03	%F1162	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
26	4.03E-07	OPW2	4.03E-03	%F1150	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
27	3.69E-07	OPW2	3.69E-03	%F1311	
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
28	3.69E-07	OPW2	3.69E-03	%F1311	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
29	3.65E-07	OPW2	3.65E-03	%F1321	
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
30	3.65E-07	OPW2	3.65E-03	%F1321	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
31	3.62E-07	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
32	3.62E-07	OPW2	3.62E-03	%F1331	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
33	3.61E-07	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
34	3.61E-07	OPW2	3.61E-03	%F1341	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
35	3.47E-07	OPW2	3.47E-03	%F3270	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
36	3.29E-07	BYP	2.89E-02	%F4100	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
37	2.98E-07	OPW2	2.98E-03	%F4250	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
38	2.98E-07	OPW2	2.98E-03	%F4260	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
39	2.43E-07	OPW2	2.43E-03	%FFPE	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
40	2.36E-07	OPW2	2.36E-03	%F4271	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
41	2.36E-07	OPW2	2.36E-03	%F4272	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
42	2.36E-07	OPW2	2.36E-03	%F4273	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
43	2.36E-07	OPW2	2.36E-03	%F5157	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
44	2.36E-07	OPW2	2.36E-03	%F5158	

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
45	2.36E-07	OPW2	2.36E-03	%F5167	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
46	2.36E-07	OPW2	2.36E-03	%F5168	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
47	2.34E-07	OPW2	2.34E-03	%F2100	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
48	2.25E-07	OPW2	2.25E-03	%F5302	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
49	2.20E-07	OPW2	2.20E-03	%F1152	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
50	2.05E-07	BYP	1.80E-02	%FSWYD	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
51	1.68E-07	BYP	1.48E-02	%F4103	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
52	1.55E-07	OPW2	1.37E-02	%F5154	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
53	1.55E-07	OPW2	1.37E-02	%F5164	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
54	1.40E-07	OPW2	1.40E-03	%F1203	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
55	1.40E-07	OPW2	1.40E-03	%F3110	
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
56	1.40E-07	OPW2	1.40E-03	%F3110	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
57	1.40E-07	OPW2	1.40E-03	%F4350	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
58	1.40E-07	OPW2	1.40E-03	%F4360	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
59	1.39E-07	OPW2	1.39E-03	%F3120	
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
60	1.39E-07	OPW2	1.39E-03	%F3120	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
61	1.35E-07	OPW2	1.35E-03	%F4550	

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
62	1.35E-07	OPW2	1.35E-03	%F4560	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
63	1.33E-07	OPW2	1.33E-03	%F1160	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
64	1.32E-07	OPW2	1.32E-03	%F3130	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
65	1.32E-07	OPW2	1.32E-03	%F3130	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
66	1.32E-07	OPW2	1.32E-03	%F3140	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
67	1.32E-07	OPW2	1.32E-03	%F3140	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
68	1.25E-07	OPW2	1.25E-03	%F5360	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
69	1.24E-07	OPW2	1.24E-03	%F5350	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
70	1.18E-07	OPW2	1.04E-02	%F4308	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
71	1.06E-07	OPW2	1.06E-03	%F5100	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
72	9.03E-08	OPW2	9.03E-04	%F9160	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
73	8.94E-08	OPW2	8.94E-04	%F4307	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
74	8.73E-08	OPW2	8.73E-04	%F1220	
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
75	8.73E-08	CCID	8.73E-04	%F1220	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
76	8.72E-08	OPW2	7.67E-03	%F5550	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
77	8.60E-08	OPW2	7.57E-03	%F5560	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
78	8.02E-08	BYP	7.05E-03	%F7300	

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
79	7.04E-08	OPW2	7.04E-04	%F9150	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
80	6.67E-08	OPW2	6.67E-04	%F1210	
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
81	6.67E-08	OPW2	6.67E-04	%F1210	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
82	6.05E-08	BYP	5.32E-03	%F3302	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
83	5.82E-08	BYP	5.12E-03	%F7100	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
84	5.61E-08	BYP	4.93E-03	%F3301	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
85	5.10E-08	OPW2	5.10E-04	%FDPS	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
86	5.08E-08	OPW2	5.08E-04	%F1230	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
87	5.08E-08	OPW2	5.08E-04	%F1230	

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
88	4.89E-08	OPW2	4.30E-03	%F1162	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
89	4.81E-08	OPW2	4.81E-04	%F1240	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
90	4.81E-08	OPW2	4.81E-04	%F1240	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
91	4.58E-08	OPW2	4.03E-03	%F1150	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
92	4.46E-08	OPW2	4.46E-04	%F5150	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
93	4.46E-08	OPW2	4.46E-04	%F5160	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
94	4.39E-08	OPW2	2.73E-05	%F1311_F1341	
			1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
95	4.30E-08	OPW2	2.67E-05	%F1341_F1311	

Table 11B-9
Level 2 Fire Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.61E-03	B21-XHE-FO-6OPEN	OPERATOR FAILS TO OPEN 6/10 SRVs
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
96	4.19E-08	OPW2	3.69E-03	%F1311	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
97	4.15E-08	OPW2	3.65E-03	%F1321	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
98	4.12E-08	OPW2	3.62E-03	%F1331	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
99	4.10E-08	OPW2	3.61E-03	%F1341	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
100	4.05E-08	OPW2	4.05E-04	%F1120	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
*	These cutsets are the result the cross-connect valves to the ICS/PCCS pools being conservatively modeled as only				
	receiving one division of safety-related signal each. These valves will eventually be designed to feature multiple signal				
	divisions; at that time these cutsets will be invalid.				

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	5.83E-09	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
2	5.81E-09	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
3	8.05E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
4	8.01E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
5	7.08E-10	CCID	2.36E-06	%F1220_F1162	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
6	6.48E-10	OPW2	3.62E-03	%F1331	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.61E-02	U43-XHE-FO-	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
				MAKEUP	
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
7	6.45E-10	OPW2	3.61E-03	%F1341	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
8	5.83E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
9	5.81E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
10	5.10E-10	CCIW	5.10E-04	%FDPS	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
11	4.91E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.36E-03	U43-EDP-FR_1_2	CCF of two components: U43-EDP-FR-P1A & U43-EDP-FR-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
12	4.89E-10	OPW2	3.61E-03	%F1341	

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.36E-03	U43-EDP-FR_1_2	CCF of two components: U43-EDP-FR-P1A & U43-EDP-FR-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
13	4.77E-10	CCID	9.86E-06	%F1321_F1220	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
14	4.34E-10	BYP	2.73E-05	%F1311_F1331	
			9.00E-04	C71-SLU-FC-RPSDIV4	RPS DIV IV TLU FAILS
			1.77E-02	REC_MANSCRAM	
15	4.34E-10	BYP	2.73E-05	%F1311_F1341	
			9.00E-04	C71-SLU-FC-RPSDIV3	RPS DIV III TLU FAILS
			1.77E-02	REC_MANSCRAM	
16	4.31E-10	BYP	2.70E-05	%F1321_F1341	
			9.00E-04	C71-SLU-FC-RPSDIV1	RPS DIV I TLU FAILS
			1.77E-02	REC_MANSCRAM	
17	4.27E-10	BYP	2.68E-05	%F1331_F1311	
			9.00E-04	C71-SLU-FC-RPSDIV4	RPS DIV IV TLU FAILS
			1.77E-02	REC_MANSCRAM	
18	4.25E-10	BYP	2.67E-05	%F1341_F1311	
			9.00E-04	C71-SLU-FC-RPSDIV3	RPS DIV III TLU FAILS

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.77E-02	REC_MANSCRAM	
19	4.25E-10	BYP	2.67E-05	%F1341_F1321	
			9.00E-04	C71-SLU-FC-RPSDIV1	RPS DIV I TLU FAILS
			1.77E-02	REC_MANSCRAM	
20	4.06E-10	BYP	5.10E-04	%FDPS	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.77E-02	REC_MANSCRAM	
21	3.54E-10	OPW2	2.20E-03	%F1152	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
22	3.53E-10	CCID	2.36E-06	%F1220_F1162	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
23	3.53E-10	CCID	2.36E-06	%F1220_F1162	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
24	3.12E-10	CCID	6.46E-06	%F1220_F1230	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
25	3.12E-10	CCID	6.46E-06	%F1220_F1240	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
26	2.90E-10	BYP	2.73E-05	%F1311_F1331	
			6.00E-04	C71-DTM-FC-RPSDIV2	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
27	2.90E-10	BYP	2.73E-05	%F1311_F1331	
			6.00E-04	C71-DTM-FC-RPSDIV4	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
28	2.90E-10	BYP	2.73E-05	%F1311_F1341	
			6.00E-04	C71-DTM-FC-RPSDIV2	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
29	2.90E-10	BYP	2.73E-05	%F1311_F1341	
			6.00E-04	C71-DTM-FC-RPSDIV3	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
30	2.87E-10	BYP	2.70E-05	%F1321_F1341	
			6.00E-04	C71-DTM-FC-RPSDIV1	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
31	2.87E-10	BYP	2.70E-05	%F1321_F1341	
			6.00E-04	C71-DTM-FC-RPSDIV3	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
32	2.85E-10	BYP	2.68E-05	%F1331_F1311	
			6.00E-04	C71-DTM-FC-	DIGITAL TRIP MODULE FAILS TO FUNCTION

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
				RPSDIV2	
			1.77E-02	REC_MANSCRAM	
33	2.85E-10	BYP	2.68E-05	%F1331_F1311	
			6.00E-04	C71-DTM-FC-RPSDIV4	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
34	2.84E-10	BYP	2.67E-05	%F1341_F1311	
			6.00E-04	C71-DTM-FC-RPSDIV2	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
35	2.84E-10	BYP	2.67E-05	%F1341_F1311	
			6.00E-04	C71-DTM-FC-RPSDIV3	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
36	2.84E-10	BYP	2.67E-05	%F1341_F1321	
			6.00E-04	C71-DTM-FC-RPSDIV1	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
37	2.84E-10	BYP	2.67E-05	%F1341_F1321	
			6.00E-04	C71-DTM-FC-RPSDIV3	DIGITAL TRIP MODULE FAILS TO FUNCTION
			1.77E-02	REC_MANSCRAM	
38	2.39E-10	CCID	4.93E-06	%F1210_F1230	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
39	2.39E-10	CCID	4.93E-06	%F1210_F1240	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
40	2.38E-10	CCID	9.86E-06	%F1321_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
41	2.38E-10	CCID	9.86E-06	%F1321_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
42	2.38E-10	CCID	9.86E-06	%F1321_F1220	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
43	2.17E-10	BYP	5.10E-04	%FDPS	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.77E-02	REC_MANSCRAM	
44	2.14E-10	OPW2	1.33E-03	%F1160	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
45	2.09E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-02	U43-EDP-FR-P1A	DIESEL-DRIVEN PUMP FAILS TO RUN
			2.40E-02	U43-EDP-FR-P2A	DIESEL-DRIVEN PUMP FAILS TO RUN
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
46	2.08E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.40E-02	U43-EDP-FR-P1A	DIESEL-DRIVEN PUMP FAILS TO RUN
			2.40E-02	U43-EDP-FR-P2A	DIESEL-DRIVEN PUMP FAILS TO RUN
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
47	1.82E-10	CCID	3.76E-06	%F1230_F1210	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
48	1.82E-10	CCID	3.76E-06	%F1230_F1220	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
49	1.74E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			2.40E-02	U43-EDP-FR-P1A	DIESEL-DRIVEN PUMP FAILS TO RUN
			2.00E-02	U43-EDP-FS-P2A	DIESEL-DRIVEN PUMP 2A FAILS TO START
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
50	1.74E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			2.40E-02	U43-EDP-FR-P2A	DIESEL-DRIVEN PUMP FAILS TO RUN

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.00E-02	U43-EDP-FS-P1A	DIESEL-DRIVEN PUMP FAILS TO START
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
51	1.73E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.40E-02	U43-EDP-FR-P1A	DIESEL-DRIVEN PUMP FAILS TO RUN
			2.00E-02	U43-EDP-FS-P2A	DIESEL-DRIVEN PUMP 2A FAILS TO START
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
52	1.73E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.40E-02	U43-EDP-FR-P2A	DIESEL-DRIVEN PUMP FAILS TO RUN
			2.00E-02	U43-EDP-FS-P1A	DIESEL-DRIVEN PUMP FAILS TO START
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
53	1.72E-10	CCID	3.56E-06	%F1240_F1210	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
54	1.72E-10	CCID	3.56E-06	%F1240_F1220	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
55	1.56E-10	CCID	6.46E-06	%F1220_F1230	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
56	1.56E-10	CCID	6.46E-06	%F1220_F1230	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
57	1.56E-10	CCID	6.46E-06	%F1220_F1230	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
58	1.56E-10	CCID	6.46E-06	%F1220_F1240	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
59	1.56E-10	CCID	6.46E-06	%F1220_F1240	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
60	1.56E-10	CCID	6.46E-06	%F1220_F1240	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
61	1.45E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			2.00E-02	U43-EDP-FS-P1A	DIESEL-DRIVEN PUMP FAILS TO START
			2.00E-02	U43-EDP-FS-P2A	DIESEL-DRIVEN PUMP 2A FAILS TO START
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
62	1.44E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.00E-02	U43-EDP-FS-P1A	DIESEL-DRIVEN PUMP FAILS TO START
			2.00E-02	U43-EDP-FS-P2A	DIESEL-DRIVEN PUMP 2A FAILS TO START
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
63	1.43E-10	CCID	9.86E-06	%F1321_F1220	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
64	1.40E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			2.40E-02	U43-EDP-FR-P1A	DIESEL-DRIVEN PUMP FAILS TO RUN
			1.61E-02	U43-XHE-FO-2ND	OPERATOR FAILS TO ALIGN FPS CROSSTIE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
65	1.39E-10	OPW2	3.61E-03	%F1341	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.40E-02	U43-EDP-FR-P1A	DIESEL-DRIVEN PUMP FAILS TO RUN
			1.61E-02	U43-XHE-FO-2ND	OPERATOR FAILS TO ALIGN FPS CROSSTIE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
66	1.19E-10	CCID	4.93E-06	%F1210_F1230	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
67	1.19E-10	CCID	4.93E-06	%F1210_F1230	

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
68	1.19E-10	CCID	4.93E-06	%F1210_F1230	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
69	1.19E-10	CCID	4.93E-06	%F1210_F1240	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
70	1.19E-10	CCID	4.93E-06	%F1210_F1240	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
71	1.19E-10	CCID	4.93E-06	%F1210_F1240	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
72	1.17E-10	OPW2	3.62E-03	%F1331	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			2.00E-02	U43-EDP-FS-P1A	DIESEL-DRIVEN PUMP FAILS TO START
			1.61E-02	U43-XHE-FO-2ND	OPERATOR FAILS TO ALIGN FPS CROSSTIE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
73	1.16E-10	OPW2	3.61E-03	%F1341	

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			2.00E-02	U43-EDP-FS-P1A	DIESEL-DRIVEN PUMP FAILS TO START
			1.61E-02	U43-XHE-FO-2ND	OPERATOR FAILS TO ALIGN FPS CROSSTIE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
74	1.14E-10	CCID	2.36E-06	%F1220_F1162	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
75	1.14E-10	CCID	2.36E-06	%F1220_F1321	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
76	9.39E-11	CCID	6.46E-06	%F1220_F1230	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
77	9.39E-11	CCID	6.46E-06	%F1220_F1240	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
78	9.08E-11	CCID	3.76E-06	%F1230_F1210	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
79	9.08E-11	CCID	3.76E-06	%F1230_F1210	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
80	9.08E-11	CCID	3.76E-06	%F1230_F1210	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
81	9.08E-11	CCID	3.76E-06	%F1230_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
82	9.08E-11	CCID	3.76E-06	%F1230_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
83	9.08E-11	CCID	3.76E-06	%F1230_F1220	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
84	8.94E-11	OPW2	3.62E-03	%F1331	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
85	8.90E-11	OPW2	3.61E-03	%F1341	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
86	8.60E-11	CCID	3.56E-06	%F1240_F1210	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
87	8.60E-11	CCID	3.56E-06	%F1240_F1210	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
88	8.60E-11	CCID	3.56E-06	%F1240_F1210	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
89	8.60E-11	CCID	3.56E-06	%F1240_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
90	8.60E-11	CCID	3.56E-06	%F1240_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
91	8.60E-11	CCID	3.56E-06	%F1240_F1220	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
92	7.17E-11	CCID	4.93E-06	%F1210_F1230	

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
93	7.17E-11	CCID	4.93E-06	%F1210_F1240	
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
94	7.16E-11	CCID	9.86E-06	%F1321_F1220	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
95	7.16E-11	CCID	9.86E-06	%F1321_F1220	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
96	6.48E-11	OPW2	3.62E-03	%F1331	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
97	6.45E-11	OPW2	3.61E-03	%F1341	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
98	5.69E-11	CCID	2.36E-06	%F1220_F1162	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-10
Level 2 Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
99	5.69E-11	CCID	2.36E-06	%F1220_F1162	
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
100	5.69E-11	CCID	2.36E-06	%F1220_F1321	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	3.30E-07	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
2	1.97E-07	1.97E-03	%F4100_M5	Loss of RWCU/SDC due to fire in fire area F4100 - mode 5
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
3	1.89E-07	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
4	1.89E-07	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
5	1.85E-07	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
6	1.85E-07	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
7	9.52E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
8	9.24E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
9	6.16E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
10	5.70E-08	5.70E-04	%FSWYD_M5	Loss of preferred power due to fire in SWYD areas - mode 5

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
11	5.45E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
12	5.45E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
13	5.35E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
14	5.34E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
15	4.93E-08	4.93E-04	%F4100_M5O	Loss of RWCU/SDC due to fire in fire area F4100 - mode 5O
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
16	3.23E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
17	3.23E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
18	3.23E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
19	3.23E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
20	2.67E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
21	2.38E-08	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
22	2.24E-08	1.97E-03	%F4100_M5	Loss of RWCU/SDC due to fire in fire area F4100 - mode 5
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
23	1.85E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
24	1.78E-08	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
25	1.47E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
26	1.47E-08	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
27	1.42E-08	1.42E-04	%F7300_M5	Loss of service water due to fire in fire area F7300 - mode 5
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
28	1.42E-08	1.42E-04	%FSWYD_M5O	Loss of preferred power due to fire in SWYD areas - mode 5O
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
29	1.36E-08	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
30	1.36E-08	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
31	1.34E-08	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
32	1.34E-08	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
33	9.35E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
34	9.35E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
35	9.35E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
36	9.35E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
37	7.00E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
38	6.68E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
39	6.48E-09	5.70E-04	%FSWYD_M5	Loss of preferred power due to fire in SWYD areas - mode 5
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
40	5.91E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		9.60E-06	E50-SQV-CO-F009A	SQUIB DELUGE VALVE F009A SPUR. OPENING [#7]
41	5.91E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		9.60E-06	E50-SQV-CO-F009D	SQUIB DELUGE VALVE F009D SPUR. OPENING [#7]
42	5.91E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		9.60E-06	E50-SQV-CO-F009E	SQUIB DELUGE VALVE F009E SPUR. OPENING [#7]
43	5.91E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		9.60E-06	E50-SQV-CO-F009H	SQUIB DELUGE VALVE F009H SPUR. OPENING [#7]
44	5.91E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		9.60E-06	E50-SQV-CO-F009J	SQUIB DELUGE VALVE F009J SPUR. OPENING [#7]
45	5.91E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		9.60E-06	E50-SQV-CO-F009M	SQUIB DELUGE VALVE F009M SPUR. OPENING [#7]
46	5.61E-09	4.93E-04	%F4100_M5O	Loss of RWCU/SDC due to fire in fire area F4100 - mode 5O
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
47	5.54E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
48	5.54E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
49	5.35E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
50	4.45E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
51	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_2_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003B & E50-UV_-OC-F003E
52	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_3_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003C & E50-UV_-OC-F003E
53	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_4_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003E
54	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_4_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003H
55	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_5_6	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003F

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
56	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_5_7	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003G
57	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_1_5_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003H
58	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_2_4_8	CCF of three components: E50-UV_-OC-F003B & E50-UV_-OC-F003D & E50-UV_-OC-F003H
59	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_3_4_8	CCF of three components: E50-UV_-OC-F003C & E50-UV_-OC-F003D & E50-UV_-OC-F003H
60	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_4_5_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003E & E50-UV_-OC-F003H
61	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_4_6_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003F & E50-UV_-OC-F003H
62	4.34E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		7.05E-06	E50-UV_OC_4_7_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003G & E50-UV_-OC-F003H
63	4.24E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
64	4.24E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
65	3.56E-09	3.56E-05	%F7300_M5O	Loss of service water due to fire in fire area F7300 - mode 5O

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
66	2.34E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
67	2.34E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
68	2.34E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
69	2.34E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
70	2.02E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
71	1.71E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		9.60E-06	E50-SQV-CO-F009A	SQUIB DELUGE VALVE F009A SPUR. OPENING [#7]
72	1.71E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		9.60E-06	E50-SQV-CO-F009D	SQUIB DELUGE VALVE F009D SPUR. OPENING [#7]
73	1.71E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		9.60E-06	E50-SQV-CO-F009E	SQUIB DELUGE VALVE F009E SPUR. OPENING [#7]
74	1.71E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		9.60E-06	E50-SQV-CO-F009H	SQUIB DELUGE VALVE F009H SPUR. OPENING [#7]
75	1.71E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		9.60E-06	E50-SQV-CO-F009J	SQUIB DELUGE VALVE F009J SPUR. OPENING [#7]
76	1.71E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		9.60E-06	E50-SQV-CO-F009M	SQUIB DELUGE VALVE F009M SPUR. OPENING [#7]
77	1.64E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		2.67E-06	E50-UV_OC_1_5	CCF of two components: E50-UV_-OC-F003A & E50-UV_-OC-F003E
78	1.64E-09	6.16E-04	%F4100_M6U	Loss of RWCU/SDC due to fire in fire area F4100 - mode 6U
		2.67E-06	E50-UV_OC_4_8	CCF of two components: E50-UV_-OC-F003D & E50-UV_-OC-F003H
79	1.61E-09	1.42E-04	%F7300_M5	Loss of service water due to fire in fire area F7300 - mode 5
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
80	1.61E-09	1.42E-04	%FSWYD_M5O	Loss of preferred power due to fire in SWYD areas - mode 5O
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
81	1.60E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
82	1.60E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
83	1.34E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
84	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_2_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003B & E50-UV_-OC-F003E
85	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_3_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003C & E50-UV_-OC-F003E
86	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_4_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003E
87	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_4_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003H
88	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_5_6	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003F
89	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_5_7	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003G
90	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_1_5_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003H
91	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_2_4_8	CCF of three components: E50-UV_-OC-F003B & E50-UV_-OC-F003D & E50-UV_-OC-F003H
92	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_3_4_8	CCF of three components: E50-UV_-OC-F003C & E50-UV_-OC-F003D & E50-UV_-OC-F003H

Table 11B-11
Shutdown Fire Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
93	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_4_5_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003E & E50-UV_-OC-F003H
94	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_4_6_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003F & E50-UV_-OC-F003H
95	1.25E-09	1.78E-04	%FSWYD_M6U	Loss of preferred power due to fire in SWYD areas - mode 6U
		7.05E-06	E50-UV_OC_4_7_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003G & E50-UV_-OC-F003H
96	1.12E-09	2.10E-06	%F1152_F1162_M6U	Loss of RWCU/SDC due to fire propagation between F1152 and F1162 - mode 6U
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
97	1.06E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
98	1.06E-09	4.45E-05	%F7300_M6U	Loss of service water due to fire in fire area F7300 - mode 6U
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
99	1.05E-09	1.97E-03	%F4100_M5	Loss of RWCU/SDC due to fire in fire area F4100 - mode 5
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
100	1.05E-09	1.97E-03	%F4100_M5	Loss of RWCU/SDC due to fire in fire area F4100 - mode 5
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	2.38E-08	4.45E-05	%F7300_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
2	1.60E-08	6.16E-04	%F4100_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
3	1.36E-08	4.45E-05	%F7300_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
4	1.36E-08	4.45E-05	%F7300_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
5	1.34E-08	4.45E-05	%F7300_M6U	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
6	1.34E-08	4.45E-05	%F7300_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
7	9.13E-09	6.16E-04	%F4100_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
8	9.13E-09	6.16E-04	%F4100_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
9	8.96E-09	6.16E-04	%F4100_M6U	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
10	8.94E-09	6.16E-04	%F4100_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
11	6.68E-09	4.45E-05	%F7300_M6U	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
12	5.31E-09	6.16E-04	%F4100_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
13	4.61E-09	1.78E-04	%FSWYD_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
14	4.47E-09	6.16E-04	%F4100_M6U	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
15	3.04E-09	6.16E-04	%F4100_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
16	3.04E-09	6.16E-04	%F4100_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
17	2.98E-09	6.16E-04	%F4100_M6U	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
18	2.98E-09	6.16E-04	%F4100_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
19	2.64E-09	1.78E-04	%FSWYD_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
20	2.64E-09	1.78E-04	%FSWYD_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
21	2.59E-09	1.78E-04	%FSWYD_M6U	

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
22	2.58E-09	1.78E-04	%FSWYD_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
23	2.34E-09	4.45E-05	%F7300_M6U	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
24	2.34E-09	4.45E-05	%F7300_M6U	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
25	2.34E-09	4.45E-05	%F7300_M6U	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
26	2.34E-09	4.45E-05	%F7300_M6U	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
27	1.57E-09	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
28	1.57E-09	6.16E-04	%F4100_M6U	

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
29	1.57E-09	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
30	1.57E-09	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
31	1.53E-09	1.78E-04	%FSWYD_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
32	1.49E-09	6.16E-04	%F4100_M6U	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
33	1.34E-09	4.45E-05	%F7300_M6U	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
34	1.29E-09	1.78E-04	%FSWYD_M6U	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
35	1.12E-09	2.10E-06	%F1152_F1162_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
36	1.06E-09	4.45E-05	%F7300_M6U	
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
37	1.06E-09	4.45E-05	%F7300_M6U	
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
38	8.96E-10	6.16E-04	%F4100_M6U	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
39	8.78E-10	1.78E-04	%FSWYD_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
40	8.78E-10	1.78E-04	%FSWYD_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
41	8.61E-10	1.78E-04	%FSWYD_M6U	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
42	8.60E-10	1.78E-04	%FSWYD_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
43	7.10E-10	6.16E-04	%F4100_M6U	
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
44	7.10E-10	6.16E-04	%F4100_M6U	
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
45	6.72E-10	6.72E-06	%F1152_F1162_M5	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
46	6.43E-10	2.10E-06	%F1152_F1162_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
47	6.43E-10	2.10E-06	%F1152_F1162_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
48	6.31E-10	2.10E-06	%F1152_F1162_M6U	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
49	6.30E-10	2.10E-06	%F1152_F1162_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
50	5.31E-10	6.16E-04	%F4100_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
51	5.21E-10	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
52	5.21E-10	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
53	5.21E-10	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
54	5.21E-10	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
55	4.52E-10	1.78E-04	%FSWYD_M6U	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
56	4.52E-10	1.78E-04	%FSWYD_M6U	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
57	4.52E-10	1.78E-04	%FSWYD_M6U	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
58	4.52E-10	1.78E-04	%FSWYD_M6U	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
59	4.30E-10	1.78E-04	%FSWYD_M6U	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
60	4.27E-10	4.45E-05	%F7300_M6U	
		9.60E-06	E50-SQV-CO-F009A	SQUIB DELUGE VALVE F009A SPUR. OPENING [#7]
61	4.27E-10	4.45E-05	%F7300_M6U	
		9.60E-06	E50-SQV-CO-F009D	SQUIB DELUGE VALVE F009D SPUR. OPENING [#7]
62	4.27E-10	4.45E-05	%F7300_M6U	

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		9.60E-06	E50-SQV-CO-F009E	SQUIB DELUGE VALVE F009E SPUR. OPENING [#7]
63	4.27E-10	4.45E-05	%F7300_M6U	
		9.60E-06	E50-SQV-CO-F009H	SQUIB DELUGE VALVE F009H SPUR. OPENING [#7]
64	4.27E-10	4.45E-05	%F7300_M6U	
		9.60E-06	E50-SQV-CO-F009J	SQUIB DELUGE VALVE F009J SPUR. OPENING [#7]
65	4.27E-10	4.45E-05	%F7300_M6U	
		9.60E-06	E50-SQV-CO-F009M	SQUIB DELUGE VALVE F009M SPUR. OPENING [#7]
66	4.01E-10	4.45E-05	%F7300_M6U	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
67	4.01E-10	4.45E-05	%F7300_M6U	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
68	3.15E-10	2.10E-06	%F1152_F1162_M6U	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
69	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_2_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003B & E50-UV_-OC-F003E
70	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_3_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003C & E50-UV_-OC-F003E
71	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_4_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003E

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
72	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_4_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003H
73	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_5_6	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003F
74	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_5_7	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003G
75	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_1_5_8	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003E & E50-UV_-OC-F003H
76	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_2_4_8	CCF of three components: E50-UV_-OC-F003B & E50-UV_-OC-F003D & E50-UV_-OC-F003H
77	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_3_4_8	CCF of three components: E50-UV_-OC-F003C & E50-UV_-OC-F003D & E50-UV_-OC-F003H
78	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_4_5_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003E & E50-UV_-OC-F003H
79	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_4_6_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003F & E50-UV_-OC-F003H
80	3.14E-10	4.45E-05	%F7300_M6U	
		7.05E-06	E50-UV_OC_4_7_8	CCF of three components: E50-UV_-OC-F003D & E50-UV_-OC-F003G & E50-UV_-OC-F003H

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
81	3.04E-10	6.16E-04	%F4100_M6U	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
82	3.04E-10	6.16E-04	%F4100_M6U	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
83	2.98E-10	6.16E-04	%F4100_M6U	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
84	2.98E-10	6.16E-04	%F4100_M6U	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
85	2.98E-10	6.16E-04	%F4100_M6U	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
86	2.86E-10	6.16E-04	%F4100_M6U	
		9.60E-06	E50-SQV-CO-F009A	SQUIB DELUGE VALVE F009A SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
87	2.86E-10	6.16E-04	%F4100_M6U	

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		9.60E-06	E50-SQV-CO-F009D	SQUIB DELUGE VALVE F009D SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
88	2.86E-10	6.16E-04	%F4100_M6U	
		9.60E-06	E50-SQV-CO-F009E	SQUIB DELUGE VALVE F009E SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
89	2.86E-10	6.16E-04	%F4100_M6U	
		9.60E-06	E50-SQV-CO-F009H	SQUIB DELUGE VALVE F009H SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
90	2.86E-10	6.16E-04	%F4100_M6U	
		9.60E-06	E50-SQV-CO-F009J	SQUIB DELUGE VALVE F009J SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
91	2.86E-10	6.16E-04	%F4100_M6U	
		9.60E-06	E50-SQV-CO-F009M	SQUIB DELUGE VALVE F009M SPUR. OPENING [#7]
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
92	2.86E-10	6.16E-04	%F4100_M6U	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
93	2.68E-10	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
94	2.68E-10	6.16E-04	%F4100_M6U	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE

Table 11B-12
Shutdown Fire RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
95	2.59E-10	1.78E-04	%FSWYD_M6U	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
96	2.36E-10	6.16E-04	%F4100_M6U	
		2.38E-05	E50-SQV-CC_1_5	CCF of two components: E50-SQV-CC-F002A & E50-SQV-CC-F002E
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
97	2.36E-10	6.16E-04	%F4100_M6U	
		2.38E-05	E50-SQV-CC_4_8	CCF of two components: E50-SQV-CC-F002D & E50-SQV-CC-F002H
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
98	2.10E-10	6.16E-04	%F4100_M6U	
		7.05E-06	E50-UV_OC_1_2_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003B & E50-UV_-OC-F003E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
99	2.10E-10	6.16E-04	%F4100_M6U	
		7.05E-06	E50-UV_OC_1_3_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003C & E50-UV_-OC-F003E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
100	2.10E-10	6.16E-04	%F4100_M6U	
		7.05E-06	E50-UV_OC_1_4_5	CCF of three components: E50-UV_-OC-F003A & E50-UV_-OC-F003D & E50-UV_-OC-F003E
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	9.51E-07	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
2	5.28E-07	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
3	4.42E-07	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
4	4.42E-07	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
5	4.28E-07	9.51E-03	%FPE-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
6	4.12E-07	4.12E-03	%PH-N71_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
7	3.69E-07	3.69E-03	%TB-1400-N71_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
8	2.63E-07	2.63E-03	%TBA-1400-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
9	2.63E-07	2.63E-03	%TBB-1400-P41B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
10	2.49E-07	2.49E-03	%RWB-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
11	2.37E-07	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
12	2.28E-07	9.51E-03	%FPE-U43_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
13	1.99E-07	4.42E-03	%SF-P41A_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
14	1.99E-07	4.42E-03	%SF-P41B_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
15	1.85E-07	4.12E-03	%PH-N71_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
16	1.66E-07	3.69E-03	%TB-1400-N71_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
17	1.56E-07	1.56E-03	%RBH-11500-C12_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
18	1.51E-07	1.51E-03	%RBH-11500-G31B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
19	1.27E-07	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
20	1.24E-07	1.24E-03	%RBH-11500-G31A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
21	1.18E-07	2.63E-03	%TBA-1400-P41A_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
22	1.18E-07	2.63E-03	%TBB-1400-P41B_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
23	1.12E-07	2.49E-03	%RWB-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
24	1.08E-07	9.51E-03	%FPE-U43_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
25	1.06E-07	4.42E-03	%SF-P41A_S_T-GEN	

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
26	1.06E-07	4.42E-03	%SF-P41B_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
27	9.89E-08	4.12E-03	%PH-N71_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
28	8.85E-08	3.69E-03	%TB-1400-N71_L_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
29	7.02E-08	1.56E-03	%RBH-11500-C12_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
30	6.79E-08	1.51E-03	%RBH-11500-G31B_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
31	6.72E-08	6.72E-04	%FPE-U43_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
32	6.45E-08	6.45E-04	%EBA+9800-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
33	6.45E-08	6.45E-04	%EBB+9800-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
34	6.32E-08	2.63E-03	%TBA-1400-P41A_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
35	6.32E-08	2.63E-03	%TBB-1400-P41B_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
36	6.00E-08	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
37	5.99E-08	2.49E-03	%RWB-U43_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
38	5.88E-08	5.88E-04	%FB-11500-G21_L_T-GEN	

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
39	5.58E-08	1.24E-03	%RBH-11500-G31A_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
40	5.33E-08	5.33E-04	%SF-P41A_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
41	5.33E-08	5.33E-04	%SF-P41B_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
42	5.26E-08	5.26E-04	%TBA-1400-P41A_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
43	5.26E-08	5.26E-04	%TBB-1400-P41B_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
44	5.02E-08	4.42E-03	%SF-P41A_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
45	5.02E-08	4.42E-03	%SF-P41B_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
46	4.73E-08	4.73E-04	%CTA-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
47	4.73E-08	4.73E-04	%CTB-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
48	4.68E-08	4.12E-03	%PH-N71_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
49	4.68E-08	4.68E-04	%SF-Y41_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
50	4.39E-08	4.39E-04	%TB+12000-N21_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
51	4.30E-08	4.30E-04	%SF-P10_S_T-GEN	

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
52	4.19E-08	3.69E-03	%TB-1400-N71_L_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
53	3.86E-08	3.86E-04	%RBCRD-6400-C12_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
54	3.74E-08	1.56E-03	%RBH-11500-C12_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
55	3.72E-08	3.72E-04	%RBA-11500-G31A_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
56	3.62E-08	1.51E-03	%RBH-11500-G31B_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
57	3.27E-08	3.27E-04	%EB+4650-U43_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
58	3.23E-08	3.23E-04	%RBH-11500-P30_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
59	3.02E-08	6.72E-04	%FPE-U43_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
60	2.99E-08	2.63E-03	%TBA-1400-P41A_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
61	2.99E-08	2.63E-03	%TBB-1400-P41B_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
62	2.97E-08	1.24E-03	%RBH-11500-G31A_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
63	2.96E-08	2.96E-04	%RBB-11500-G31B_L_T-GEN	

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
64	2.95E-08	2.95E-04	%PH-N71_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
65	2.90E-08	6.45E-04	%EBA+9800-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
66	2.90E-08	6.45E-04	%EBB+9800-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
67	2.84E-08	2.49E-03	%RWB-U43_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
68	2.65E-08	5.88E-04	%FB-11500-G21_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
69	2.49E-08	2.49E-04	%RWB-U43_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
70	2.40E-08	5.33E-04	%SF-P41A_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
71	2.40E-08	5.33E-04	%SF-P41B_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
72	2.37E-08	5.26E-04	%TBA-1400-P41A_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
73	2.37E-08	5.26E-04	%TBB-1400-P41B_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
74	2.34E-08	2.34E-04	%TB+4650-P41A_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
75	2.34E-08	2.34E-04	%TB+4650-P41B_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
76	2.26E-08	2.26E-04	%TB-1400-U43_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
77	2.15E-08	2.15E-04	%FBSP-11500-G21_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
78	2.15E-08	2.15E-04	%PH-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
79	2.15E-08	2.15E-04	%RBCRD-6400-P30_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
80	2.14E-08	2.14E-04	%RB+17500-C41_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
81	2.13E-08	4.73E-04	%CTA-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
82	2.13E-08	4.73E-04	%CTB-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
83	2.11E-08	4.68E-04	%SF-Y41_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
84	1.98E-08	4.39E-04	%TB+12000-N21_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
85	1.93E-08	4.30E-04	%SF-P10_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
86	1.91E-08	1.91E-04	%TB+4650-U43_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
87	1.77E-08	1.56E-03	%RBH-11500-C12_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
88	1.76E-08	1.76E-04	%TB+12000-N11_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
89	1.74E-08	3.86E-04	%RBCRD-6400-C12_L_T-GEN	

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
90	1.72E-08	1.72E-04	%RBCRD-6400-P21A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
91	1.72E-08	1.72E-04	%RBCRD-6400-P21B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
92	1.71E-08	1.51E-03	%RBH-11500-G31B_S_T-GEN	
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
93	1.68E-08	3.72E-04	%RBA-11500-G31A_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
94	1.61E-08	6.72E-04	%FPE-U43_L_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
95	1.59E-08	9.51E-03	%FPE-U43_S_T-GEN	
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
96	1.59E-08	9.51E-03	%FPE-U43_S_T-GEN	
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
97	1.59E-08	9.51E-03	%FPE-U43_S_T-GEN	
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
98	1.59E-08	9.51E-03	%FPE-U43_S_T-GEN	
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
99	1.56E-08	1.56E-04	%TB+20000-N21_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
100	1.56E-08	1.56E-04	%RBH-11500-C12_L_T-GEN	

Table 11B-13
Level 1 Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.33E-10	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
2	1.33E-10	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
3	1.33E-10	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
4	1.33E-10	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
5	9.51E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
6	9.51E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E-04	B32-NPO-CC-F104C	F104C fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
7	9.51E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
8	6.63E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
9	6.63E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
10	6.63E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
11	6.63E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
12	6.63E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
13	6.63E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
14	6.63E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
15	6.63E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
18	5.35E-11	2.14E-04	%RB+17500-C41_L_T-GEN	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
19	5.28E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
21	4.60E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
22	4.60E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
23	4.42E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
24	4.42E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
25	4.28E-11	9.51E-03	%FPE-U43_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
26	4.12E-11	4.12E-03	%PH-N71_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
27	3.69E-11	3.69E-03	%TB-1400-N71_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
28	2.69E-11	1.07E-04	%FBSP-11500-C41_S_T-GEN	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
29	2.63E-11	2.63E-03	%TBA-1400-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
30	2.63E-11	2.63E-03	%TBB-1400-P41B_S_T-GEN	

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
31	2.55E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
32	2.55E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
33	2.49E-11	2.49E-03	%RWB-U43_S_T-GEN	
		1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
		1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
34	2.49E-11	2.49E-03	%RWB-U43_S_T-GEN	
		1.00E-04	B32-NMO-CC-F104B	F104B fails to open
		1.00E-04	B32-NPO-CC-F104C	F104C fails to open
		1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
35	2.49E-11	2.49E-03	%RWB-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
36	2.37E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
37	2.30E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
38	2.30E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
39	2.30E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
40	2.30E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
41	2.30E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
42	2.30E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
43	2.28E-11	9.51E-03	%FPE-U43_S_T-GEN	
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
44	2.14E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
45	2.14E-11	4.42E-03	%SF-P41A_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
46	2.14E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
47	2.14E-11	4.42E-03	%SF-P41B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
48	1.99E-11	4.12E-03	%PH-N71_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
49	1.99E-11	4.12E-03	%PH-N71_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
50	1.99E-11	4.42E-03	%SF-P41A_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
51	1.99E-11	4.42E-03	%SF-P41B_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
52	1.98E-11	7.94E-05	%RB+17500-G31A_L_T-	

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
			GEN	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
53	1.98E-11	7.94E-05	%RB+17500-G31B_L_T-GEN	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
54	1.85E-11	4.12E-03	%PH-N71_S_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
55	1.78E-11	3.69E-03	%TB-1400-N71_L_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
56	1.78E-11	3.69E-03	%TB-1400-N71_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
57	1.77E-11	5.88E-04	%FB-11500-G21_L_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
58	1.77E-11	5.88E-04	%FB-11500-G21_L_T-GEN	

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
59	1.66E-11	3.69E-03	%TB-1400-N71_L_T-GEN	
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
60	1.60E-11	5.33E-04	%SF-P41A_L_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
61	1.60E-11	5.33E-04	%SF-P41A_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
62	1.60E-11	5.33E-04	%SF-P41B_L_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
63	1.60E-11	5.33E-04	%SF-P41B_L_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
64	1.56E-11	1.56E-03	%RBH-11500-C12_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
65	1.51E-11	1.51E-03	%RBH-11500-G31B_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
66	1.50E-11	6.02E-05	%TB+4650-N21_L_T-GEN	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
67	1.48E-11	5.91E-05	%RB+17500-P10_L_T-GEN	
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
68	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
69	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
70	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
71	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
72	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
73	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
74	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
75	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
76	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
77	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
78	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
79	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
80	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
81	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
82	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
83	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
84	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
85	1.43E-11	9.51E-03	%FPE-U43_S_T-GEN	
		6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
86	1.41E-11	4.68E-04	%SF-Y41_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
87	1.41E-11	4.68E-04	%SF-Y41_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
88	1.38E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
89	1.38E-11	9.51E-03	%FPE-U43_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
90	1.29E-11	4.30E-04	%SF-P10_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
91	1.29E-11	4.30E-04	%SF-P10_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
92	1.27E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
93	1.27E-11	5.28E-03	%RBCRD-6400-C12_S_T-	

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
			GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
94	1.27E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
95	1.27E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
96	1.27E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
97	1.27E-11	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious

Table 11B-14
Level 1 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
98	1.27E-11	2.63E-03	%TBA-1400-P41A_S_T- GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
99	1.27E-11	2.63E-03	%TBA-1400-P41A_S_T- GEN	
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
100	1.27E-11	2.63E-03	%TBB-1400-P41B_S_T- GEN	
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	4.28E-07	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
2	2.37E-07	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
3	2.28E-07	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
4	1.99E-07	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
5	1.99E-07	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
6	1.85E-07	BYP	4.12E-03	%PH-N71_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
7	1.66E-07	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
8	1.27E-07	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
9	1.18E-07	BYP	2.63E-03	%TBA-1400-P41A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
10	1.18E-07	BYP	2.63E-03	%TBB-1400-P41B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
11	1.12E-07	BYP	2.49E-03	%RWB-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
12	1.06E-07	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
13	1.06E-07	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
14	9.89E-08	BYP	4.12E-03	%PH-N71_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
15	8.85E-08	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
16	7.02E-08	BYP	1.56E-03	%RBH-11500-C12_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
17	6.79E-08	BYP	1.51E-03	%RBH-11500-G31B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
18	6.32E-08	BYP	2.63E-03	%TBA-1400-P41A_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
19	6.32E-08	BYP	2.63E-03	%TBB-1400-P41B_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
20	5.99E-08	BYP	2.49E-03	%RWB-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
21	5.58E-08	BYP	1.24E-03	%RBH-11500-G31A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
22	3.74E-08	BYP	1.56E-03	%RBH-11500-C12_S_T-GEN	

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
23	3.62E-08	BYP	1.51E-03	%RBH-11500-G31B_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
24	3.02E-08	BYP	6.72E-04	%FPE-U43_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
25	2.97E-08	BYP	1.24E-03	%RBH-11500-G31A_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
26	2.90E-08	BYP	6.45E-04	%EBA+9800-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
27	2.90E-08	BYP	6.45E-04	%EBB+9800-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
28	2.65E-08	BYP	5.88E-04	%FB-11500-G21_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
29	2.40E-08	BYP	5.33E-04	%SF-P41A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
30	2.40E-08	BYP	5.33E-04	%SF-P41B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
31	2.37E-08	BYP	5.26E-04	%TBA-1400-P41A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
32	2.37E-08	BYP	5.26E-04	%TBB-1400-P41B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
33	2.13E-08	BYP	4.73E-04	%CTA-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
34	2.13E-08	BYP	4.73E-04	%CTB-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
35	2.11E-08	BYP	4.68E-04	%SF-Y41_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
36	1.98E-08	BYP	4.39E-04	%TB+12000-N21_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
37	1.93E-08	BYP	4.30E-04	%SF-P10_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
38	1.74E-08	BYP	3.86E-04	%RBCRD-6400-C12_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
39	1.68E-08	BYP	3.72E-04	%RBA-11500-G31A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
40	1.61E-08	BYP	6.72E-04	%FPE-U43_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
41	1.59E-08	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
42	1.59E-08	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
43	1.59E-08	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
44	1.59E-08	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
45	1.55E-08	BYP	6.45E-04	%EBA+9800-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
46	1.55E-08	BYP	6.45E-04	%EBB+9800-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
47	1.47E-08	BYP	3.27E-04	%EB+4650-U43_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
48	1.45E-08	BYP	3.23E-04	%RBH-11500-P30_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
49	1.41E-08	BYP	5.88E-04	%FB-11500-G21_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
50	1.33E-08	BYP	2.96E-04	%RBB-11500-G31B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
51	1.33E-08	BYP	2.95E-04	%PH-N71_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
52	1.28E-08	BYP	5.33E-04	%SF-P41A_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
53	1.28E-08	BYP	5.33E-04	%SF-P41B_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
54	1.26E-08	BYP	5.26E-04	%TBA-1400-P41A_L_T-GEN	

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
55	1.26E-08	BYP	5.26E-04	%TBB-1400-P41B_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
56	1.14E-08	BYP	4.73E-04	%CTA-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
57	1.14E-08	BYP	4.73E-04	%CTB-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
58	1.12E-08	BYP	4.68E-04	%SF-Y41_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
59	1.12E-08	BYP	2.49E-04	%RWB-U43_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
60	1.05E-08	BYP	4.39E-04	%TB+12000-N21_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
61	1.05E-08	BYP	2.34E-04	%TB+4650-P41A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
62	1.05E-08	BYP	2.34E-04	%TB+4650-P41B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
63	1.03E-08	BYP	4.30E-04	%SF-P10_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
64	1.02E-08	BYP	2.26E-04	%TB-1400-U43_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
65	9.67E-09	BYP	2.15E-04	%FBSP-11500-G21_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
66	9.67E-09	BYP	2.15E-04	%PH-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
67	9.67E-09	BYP	2.15E-04	%RBCRD-6400-P30_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
68	9.63E-09	BYP	2.14E-04	%RB+17500-C41_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
69	9.26E-09	BYP	3.86E-04	%RBCRD-6400-C12_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
70	8.94E-09	BYP	3.72E-04	%RBA-11500-G31A_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
71	8.80E-09	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
72	8.80E-09	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
73	8.80E-09	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
74	8.80E-09	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
75	8.61E-09	BYP	1.91E-04	%TB+4650-U43_L_T-GEN	

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
76	7.93E-09	BYP	1.76E-04	%TB+12000-N11_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
77	7.84E-09	BYP	3.27E-04	%EB+4650-U43_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
78	7.74E-09	BYP	3.23E-04	%RBH-11500-P30_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
79	7.74E-09	BYP	1.72E-04	%RBCRD-6400-P21A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
80	7.74E-09	BYP	1.72E-04	%RBCRD-6400-P21B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
81	7.36E-09	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
82	7.36E-09	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
83	7.36E-09	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
84	7.36E-09	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
85	7.36E-09	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 &

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
					C71-SLU-FC-RP
86	7.36E-09	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
87	7.36E-09	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
88	7.36E-09	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
89	7.11E-09	BYP	2.96E-04	%RBB-11500-G31B_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
90	7.07E-09	BYP	2.95E-04	%PH-N71_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
91	7.04E-09	BYP	1.56E-04	%TB+20000-N21_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
92	7.02E-09	BYP	1.56E-04	%RBH-11500-C12_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
93	6.87E-09	BYP	4.12E-03	%PH-N71_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
94	6.87E-09	BYP	4.12E-03	%PH-N71_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
95	6.87E-09	BYP	4.12E-03	%PH-N71_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 &

Table 11B-15
Level 2 Flood Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
					C71-SLU-FC-RP
96	6.87E-09	BYP	4.12E-03	%PH-N71_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
97	6.49E-09	BYP	1.44E-04	%RBH-11500-G31B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
98	6.29E-09	BYP	1.40E-04	%TB+12000-N36_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
99	6.15E-09	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
100	6.15E-09	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	9.51E-11	OPW2	9.51E-03	%FPE-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
2	9.51E-11	OPW2	9.51E-03	%FPE-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
3	4.28E-11	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
4	2.49E-11	OPW2	2.49E-03	%RWB-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
5	2.49E-11	OPW2	2.49E-03	%RWB-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
6	2.37E-11	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
7	2.28E-11	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
8	1.99E-11	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
9	1.99E-11	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
10	1.85E-11	BYP	4.12E-03	%PH-N71_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
11	1.66E-11	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
12	1.27E-11	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
13	1.18E-11	BYP	2.63E-03	%TBA-1400-P41A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
14	1.18E-11	BYP	2.63E-03	%TBB-1400-P41B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
15	1.12E-11	BYP	2.49E-03	%RWB-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
16	1.06E-11	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
17	1.06E-11	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
18	1.06E-11	OPW2	9.51E-03	%FPE-U43_S_T-GEN	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
19	1.06E-11	OPW2	9.51E-03	%FPE-U43_S_T-GEN	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
20	9.89E-12	BYP	4.12E-03	%PH-N71_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
21	8.85E-12	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
22	7.02E-12	BYP	1.56E-03	%RBH-11500-C12_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
23	6.79E-12	BYP	1.51E-03	%RBH-11500-G31B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
24	6.72E-12	OPW2	6.72E-04	%FPE-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
25	6.72E-12	OPW2	6.72E-04	%FPE-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
26	6.45E-12	OPW2	6.45E-04	%EBA+9800-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
27	6.45E-12	OPW2	6.45E-04	%EBA+9800-U43_S_T- GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
28	6.45E-12	OPW2	6.45E-04	%EBB+9800-U43_S_T- GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
29	6.45E-12	OPW2	6.45E-04	%EBB+9800-U43_S_T- GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
30	6.32E-12	BYP	2.63E-03	%TBA-1400-P41A_S_T- GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
31	6.32E-12	BYP	2.63E-03	%TBB-1400-P41B_S_T- GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
32	5.99E-12	BYP	2.49E-03	%RWB-U43_S_T-GEN	

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
33	5.88E-12	OPW2	5.88E-04	%FB-11500-G21_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
34	5.88E-12	OPW2	5.88E-04	%FB-11500-G21_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
35	5.58E-12	BYP	1.24E-03	%RBH-11500-G31A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
36	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004E	EXPLOSIVE VALVE DPV E FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
37	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004E	EXPLOSIVE VALVE DPV E FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
38	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004F	EXPLOSIVE VALVE DPV F FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
39	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004F	EXPLOSIVE VALVE DPV F FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
40	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004G	EXPLOSIVE VALVE DPV G FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
41	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004G	EXPLOSIVE VALVE DPV G FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
42	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004H	EXPLOSIVE VALVE DPV H FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
43	5.16E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004H	EXPLOSIVE VALVE DPV H FAILS TO OPERATE

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
44	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T- GEN	
			3.00E-03	B21-SQV-CC-F004A	EXPLOSIVE VALVE DPV F004A FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
45	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T- GEN	
			3.00E-03	B21-SQV-CC-F004A	EXPLOSIVE VALVE DPV F004A FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
46	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T- GEN	
			3.00E-03	B21-SQV-CC-F004B	EXPLOSIVE VALVE DPV B FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
47	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T- GEN	
			3.00E-03	B21-SQV-CC-F004B	EXPLOSIVE VALVE DPV B FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
48	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T- GEN	
			3.00E-03	B21-SQV-CC-F004C	EXPLOSIVE VALVE DPV C FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
49	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T- GEN	

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			3.00E-03	B21-SQV-CC-F004C	EXPLOSIVE VALVE DPV C FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
50	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004D	EXPLOSIVE VALVE DPV D FAILS TO OPERATE
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
51	5.16E-12	BYP	1.72E-05	%RB+17500-B21B_L_T-GEN	
			3.00E-03	B21-SQV-CC-F004D	EXPLOSIVE VALVE DPV D FAILS TO OPERATE
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
52	4.87E-12	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
53	4.73E-12	OPW2	4.73E-04	%CTA-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
54	4.73E-12	OPW2	4.73E-04	%CTA-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
55	4.73E-12	OPW2	4.73E-04	%CTB-U43_S_T-GEN	

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
56	4.73E-12	OPW2	4.73E-04	%CTB-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
57	4.30E-12	BYP	1.72E-05	%RB+17500-B21A_L_T-GEN	
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
58	4.30E-12	BYP	1.72E-05	%RB+17500-B21B_L_T-GEN	
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
59	3.74E-12	BYP	1.56E-03	%RBH-11500-C12_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
60	3.62E-12	BYP	1.51E-03	%RBH-11500-G31B_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
61	3.27E-12	OPW2	3.27E-04	%EB+4650-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
62	3.27E-12	OPW2	3.27E-04	%EB+4650-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
63	3.02E-12	BYP	6.72E-04	%FPE-U43_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
64	2.97E-12	BYP	1.24E-03	%RBH-11500-G31A_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
65	2.90E-12	BYP	6.45E-04	%EBA+9800-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
66	2.90E-12	BYP	6.45E-04	%EBB+9800-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
67	2.85E-12	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			6.67E-06	C72-LOG-FC-D_1_2_3	CCF of three components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
68	2.77E-12	OPW2	2.49E-03	%RWB-U43_S_T-GEN	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
69	2.77E-12	OPW2	2.49E-03	%RWB-U43_S_T-GEN	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
70	2.70E-12	BYP	5.28E-03	%RBCRD-6400-C12_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
71	2.65E-12	BYP	5.88E-04	%FB-11500-G21_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
72	2.60E-12	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
73	2.49E-12	OPW2	2.49E-04	%RWB-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
74	2.49E-12	OPW2	2.49E-04	%RWB-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
75	2.40E-12	BYP	5.33E-04	%SF-P41A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
76	2.40E-12	BYP	5.33E-04	%SF-P41B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
77	2.37E-12	BYP	5.26E-04	%TBA-1400-P41A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
78	2.37E-12	BYP	5.26E-04	%TBB-1400-P41B_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
79	2.26E-12	BYP	4.42E-03	%SF-P41A_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
80	2.26E-12	BYP	4.42E-03	%SF-P41B_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
81	2.26E-12	OPW2	2.26E-04	%TB-1400-U43_L_T-GEN	

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
82	2.26E-12	OPW2	2.26E-04	%TB-1400-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
83	2.15E-12	OPW2	2.15E-04	%FBSP-11500-G21_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
84	2.15E-12	OPW2	2.15E-04	%FBSP-11500-G21_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
85	2.15E-12	OPW2	2.15E-04	%PH-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
86	2.15E-12	OPW2	2.15E-04	%PH-U43_S_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
87	2.13E-12	BYP	4.73E-04	%CTA-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
88	2.13E-12	BYP	4.73E-04	%CTB-U43_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
89	2.11E-12	BYP	4.12E-03	%PH-N71_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
90	2.11E-12	BYP	4.68E-04	%SF-Y41_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
91	1.98E-12	BYP	4.39E-04	%TB+12000-N21_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
92	1.93E-12	BYP	4.30E-04	%SF-P10_S_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
93	1.91E-12	OPW2	1.91E-04	%TB+4650-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
94	1.91E-12	OPW2	1.91E-04	%TB+4650-U43_L_T-GEN	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
95	1.89E-12	BYP	3.69E-03	%TB-1400-N71_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
96	1.74E-12	BYP	3.86E-04	%RBCRD-6400-C12_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
97	1.68E-12	BYP	3.72E-04	%RBA-11500-G31A_L_T-GEN	
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
98	1.61E-12	BYP	6.72E-04	%FPE-U43_L_T-GEN	
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
99	1.59E-12	BYP	9.51E-03	%FPE-U43_S_T-GEN	
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
100	1.59E-12	BYP	9.51E-03	%FPE-U43_S_T-GEN	

Table 11B-16
Level 2 Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	2.62E-07	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
2	2.62E-07	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
3	7.71E-08	3.54E-07	%CONTAINMENT-E50A_L_SD_M6U_G31	
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
4	7.71E-08	3.54E-07	%CONTAINMENT-E50D_L_SD_M6U_G31	
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
5	6.43E-08	2.81E-07	%CONTAINMENT-E50A_L_SD_M5O_G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
6	6.43E-08	2.81E-07	%CONTAINMENT-E50D_L_SD_M5O_G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
7	4.58E-09	1.14E-06	%CONTAINMENT-E50B_L_SD_M5-G31	
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
8	4.58E-09	1.14E-06	%CONTAINMENT-E50C_L_SD_M5-G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
9	3.77E-09	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
10	2.40E-09	1.05E-04	%FPE-U43_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
11	2.16E-09	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
12	2.16E-09	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
13	2.12E-09	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
14	2.12E-09	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
15	2.09E-09	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
16	1.75E-09	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
17	1.75E-09	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
18	1.63E-09	1.40E-05	%PH-N71_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
19	1.35E-09	3.54E-07	%CONTAINMENT-E50B_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
20	1.35E-09	3.54E-07	%CONTAINMENT-E50C_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
21	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004E	EXPLOSIVE VALVE DPV E FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
22	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004F	EXPLOSIVE VALVE DPV F FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
23	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-	

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
			G31	
		3.00E-03	B21-SQV-CC-F004G	EXPLOSIVE VALVE DPV G FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
24	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004H	EXPLOSIVE VALVE DPV H FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
25	1.34E-09	1.95E-06	%CONTAINMENT-B21B_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004A	EXPLOSIVE VALVE DPV F004A FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
26	1.34E-09	1.95E-06	%CONTAINMENT-B21B_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004B	EXPLOSIVE VALVE DPV B FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
27	1.34E-09	1.95E-06	%CONTAINMENT-B21B_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004C	EXPLOSIVE VALVE DPV C FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
28	1.34E-09	1.95E-06	%CONTAINMENT-B21B_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004D	EXPLOSIVE VALVE DPV D FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
29	1.33E-09	5.80E-05	%RBCRD-6400-C12_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
30	1.20E-09	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
31	1.20E-09	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
32	1.18E-09	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
33	1.17E-09	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
34	1.13E-09	2.81E-07	%CONTAINMENT-E50B_L_SD_M5O_G31	
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
35	1.13E-09	2.81E-07	%CONTAINMENT-E50C_L_SD_M5O_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
36	1.11E-09	4.86E-05	%SF-P41A_S_SD_M5-G31	

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
37	1.11E-09	4.86E-05	%SF-P41B_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
38	1.06E-09	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
39	1.04E-09	8.95E-06	%TBA-1400-P41A_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
40	1.04E-09	8.95E-06	%TBB-1400-P41B_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
41	1.04E-09	4.53E-05	%PH-N71_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
42	1.00E-09	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
43	1.00E-09	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
44	1.00E-09	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
45	1.00E-09	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
46	9.89E-10	8.48E-06	%RWB-U43_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
47	9.84E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
48	9.84E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
49	9.82E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
50	9.82E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
51	9.35E-10	1.40E-05	%PH-N71_S_SD_M6U_G31	
		1.75E-02	E50-UV_OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
52	9.35E-10	1.40E-05	%PH-N71_S_SD_M6U_G31	
		1.75E-02	E50-UV_OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
53	9.17E-10	1.40E-05	%PH-N71_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
54	9.16E-10	1.40E-05	%PH-N71_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
55	7.86E-10	1.14E-06	%CONTAINMENT-E50B_L_SD_M5-G31	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
56	7.86E-10	1.14E-06	%CONTAINMENT-E50C_L_SD_M5-G31	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
57	7.05E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
58	6.63E-10	2.90E-05	%TBA-1400-P41A_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
59	6.63E-10	2.90E-05	%TBB-1400-P41B_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
60	6.28E-10	2.74E-05	%RWB-U43_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
61	6.18E-10	5.30E-06	%RBH-11500-C12_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
62	5.98E-10	5.13E-06	%RBH-11500-G31B_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
63	5.98E-10	8.95E-06	%TBA-1400-P41A_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
64	5.98E-10	8.95E-06	%TBA-1400-P41A_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
65	5.98E-10	8.95E-06	%TBB-1400-P41B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
66	5.98E-10	8.95E-06	%TBB-1400-P41B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
67	5.88E-10	2.57E-05	%FPE-U43_S_SD_M5O_G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
68	5.87E-10	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
69	5.86E-10	8.95E-06	%TBA-1400-P41A_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
70	5.86E-10	8.95E-06	%TBB-1400-P41B_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
71	5.85E-10	8.95E-06	%TBA-1400-P41A_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
72	5.85E-10	8.95E-06	%TBB-1400-P41B_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
73	5.73E-10	4.68E-06	%CONTAINMENT-B32_L_SD_M5-G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
74	5.66E-10	8.48E-06	%RWB-U43_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
75	5.66E-10	8.48E-06	%RWB-U43_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
76	5.56E-10	8.48E-06	%RWB-U43_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
77	5.55E-10	8.48E-06	%RWB-U43_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
78	4.91E-10	4.21E-06	%RBH-11500-G31A_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
79	4.91E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
80	4.91E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
81	4.58E-10	1.40E-05	%PH-N71_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
82	3.93E-10	1.71E-05	%RBH-11500-C12_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
83	3.91E-10	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
84	3.80E-10	1.66E-05	%RBH-11500-G31B_S_SD_M5-G31	
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
85	3.70E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
86	3.70E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
87	3.70E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
88	3.70E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
89	3.54E-10	5.30E-06	%RBH-11500-C12_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
90	3.54E-10	5.30E-06	%RBH-11500-C12_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
91	3.47E-10	5.30E-06	%RBH-11500-C12_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
92	3.47E-10	5.30E-06	%RBH-11500-C12_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
93	3.42E-10	5.13E-06	%RBH-11500-G31B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
94	3.42E-10	5.13E-06	%RBH-11500-G31B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
95	3.36E-10	5.13E-06	%RBH-11500-G31B_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
96	3.35E-10	5.13E-06	%RBH-11500-G31B_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
97	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004E	EXPLOSIVE VALVE DPV E FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
98	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004F	EXPLOSIVE VALVE DPV F FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY

Table 11B-17
Shutdown Flood Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
99	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004G	EXPLOSIVE VALVE DPV G FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
100	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004H	EXPLOSIVE VALVE DPV H FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.27E-08	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
2	1.27E-08	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
3	4.22E-09	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
4	4.22E-09	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
5	3.73E-09	3.54E-07	%CONTAINMENT-E50A_L_SD_M6U_G31	
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
6	3.73E-09	3.54E-07	%CONTAINMENT-E50D_L_SD_M6U_G31	
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
7	3.11E-09	2.81E-07	%CONTAINMENT-E50A_L_SD_M5O_G31	
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
8	3.11E-09	2.81E-07	%CONTAINMENT-E50D_L_SD_M5O_G31	
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
9	1.75E-09	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
10	1.75E-09	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
11	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004E	EXPLOSIVE VALVE DPV E FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
12	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004F	EXPLOSIVE VALVE DPV F FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
13	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004G	EXPLOSIVE VALVE DPV G FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
14	1.34E-09	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-03	B21-SQV-CC-F004H	EXPLOSIVE VALVE DPV H FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
15	1.24E-09	3.54E-07	%CONTAINMENT-E50A_L_SD_M6U_G31	

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
16	1.24E-09	3.54E-07	%CONTAINMENT-E50D_L_SD_M6U_G31	
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
17	1.04E-09	2.81E-07	%CONTAINMENT-E50A_L_SD_M5O_G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
18	1.04E-09	2.81E-07	%CONTAINMENT-E50D_L_SD_M5O_G31	
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
		1.61E-02	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
19	1.00E-09	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
20	1.00E-09	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
21	1.00E-09	1.50E-05	%SF-P41B_S_SD_M6U_G31	

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
22	1.00E-09	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
23	9.84E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
24	9.84E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
25	9.82E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
26	9.82E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
27	4.91E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
28	4.91E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
29	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004E	EXPLOSIVE VALVE DPV E FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
30	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004F	EXPLOSIVE VALVE DPV F FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
31	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004G	EXPLOSIVE VALVE DPV G FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
32	3.29E-10	4.79E-07	%CONTAINMENT-B21A_L_SD_M5O_G31	
		3.00E-03	B21-SQV-CC-F004H	EXPLOSIVE VALVE DPV H FAILS TO OPERATE
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
33	2.39E-10	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
34	2.33E-10	2.00E-06	%FB-11500-G21_L_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
35	2.27E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
36	2.27E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		8.68E-04	G21-MOV-CC_ALL	CCF of all components in group 'G21-MOV-CC'
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
37	2.22E-10	1.14E-06	%CONTAINMENT-E50B_L_SD_M5-G31	
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
38	2.22E-10	1.14E-06	%CONTAINMENT-E50C_L_SD_M5-G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
39	2.12E-10	1.81E-06	%SF-P41A_L_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
40	2.12E-10	1.81E-06	%SF-P41B_L_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
41	2.11E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		1.61E-02	G21-XHE-FO-LPCIADS	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE AFTER DEPRESSURIZATION
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
42	2.11E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		1.61E-02	G21-XHE-FO-LPCIADS	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE AFTER DEPRESSURIZATION
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
43	1.86E-10	1.59E-06	%SF-Y41_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
44	1.83E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
45	1.72E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
46	1.72E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
47	1.72E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
48	1.72E-10	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
49	1.72E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
50	1.72E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
51	1.72E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
52	1.72E-10	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
53	1.71E-10	1.46E-06	%SF-P10_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
54	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
55	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
56	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
57	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
58	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
59	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
60	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
61	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
62	1.51E-10	1.14E-06	%CONTAINMENT-E50A_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
63	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
64	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
65	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011A	MOTOR OPER. VALVE F011A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
66	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
67	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F011B	MOTOR OPER. VALVE F011B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
68	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
69	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F013A	MOTOR OPER. VALVE F013A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
70	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F013B	MOTOR OPER. VALVE F013B FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
71	1.51E-10	1.14E-06	%CONTAINMENT-E50D_L_SD_M5-G31	
		2.40E-02	G21-MOV-CC-F014A	MOTOR OPER. VALVE F014A FAILS TO OPEN
		2.40E-02	G21-MOV-CC-F014B	MOTOR OPER. VALVE F014B FAILS TO OPEN
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
72	1.37E-10	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
73	1.37E-10	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
74	1.34E-10	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
75	1.34E-10	1.95E-06	%CONTAINMENT-B21A_L_SD_M5-G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.29E-01	R-M5-G31	RWCU/SDC RECOVERY
76	1.33E-10	2.00E-06	%FB-11500-G21_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
77	1.33E-10	2.00E-06	%FB-11500-G21_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
78	1.31E-10	2.00E-06	%FB-11500-G21_L_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
79	1.31E-10	2.00E-06	%FB-11500-G21_L_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
80	1.24E-10	3.54E-07	%CONTAINMENT-E50A_L_SD_M6U_G31	
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
81	1.24E-10	3.54E-07	%CONTAINMENT-E50D_L_SD_M6U_G31	
		1.61E-03	G21-XHE-FO-LPCI	OPERATOR FAILS TO ALIGN AND ACTUATE FAPCS IN LPCI MODE
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
82	1.21E-10	1.81E-06	%SF-P41A_L_SD_M6U_G31	

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
83	1.21E-10	1.81E-06	%SF-P41A_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
84	1.21E-10	1.81E-06	%SF-P41B_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
85	1.21E-10	1.81E-06	%SF-P41B_L_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
86	1.19E-10	1.81E-06	%SF-P41A_L_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
87	1.19E-10	1.81E-06	%SF-P41B_L_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
88	1.19E-10	1.81E-06	%SF-P41A_L_SD_M6U_G31	

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
89	1.19E-10	1.81E-06	%SF-P41B_L_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
90	1.06E-10	1.59E-06	%SF-Y41_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
91	1.06E-10	1.59E-06	%SF-Y41_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
92	1.05E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
93	1.05E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
94	1.04E-10	1.59E-06	%SF-Y41_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
95	1.04E-10	1.59E-06	%SF-Y41_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
96	1.03E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
97	1.02E-10	3.23E-05	%FPE-U43_S_SD_M6U_G31	
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
98	1.01E-10	1.79E-05	%RBCRD-6400-C12_S_SD_M6U_G31	
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC
99	9.84E-11	1.50E-05	%SF-P41A_S_SD_M6U_G31	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-18
Shutdown Flood RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
100	9.84E-11	1.50E-05	%SF-P41B_S_SD_M6U_G31	
		3.00E-05	E50-UV_OC-EQU_ALL	CCF of all components in group 'E50-UV_OC-EQU'
		2.18E-01	R-M6-G31	FAILURE TO RECOVER RWCU/SDC

Table 11B-19
Level 1 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.52E-06	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
2	1.73E-07	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
3	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
4	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
5	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
6	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
7	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
8	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-19
Level 1 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
9	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
10	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
11	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
12	9.12E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
13	6.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
14	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
15	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
16	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-19
Level 1 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
17	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
18	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
19	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
20	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
21	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
22	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
23	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
24	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

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#	Cutset Prob	Event Prob	Event	Description
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
25	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
26	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
27	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
28	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
29	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
30	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
31	4.10E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
32	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

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#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
33	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
34	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
35	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
36	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
37	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
38	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
39	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'

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#	Cutset Prob	Event Prob	Event	Description
40	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
41	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
42	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
43	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
44	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
45	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
46	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
47	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

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#	Cutset Prob	Event Prob	Event	Description
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
48	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
49	2.19E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
50	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
51	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
52	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
53	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
54	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
55	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

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#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
56	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
57	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
58	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
59	1.04E-09	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
60	7.01E-10	7.01E-06	%T-LOPP-WRF2_F3	WEATHER RELATED LOSS OF PREFERRED POWER F2/F3 TORNADO
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
61	5.47E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F004A	CHECK VALVE F004A FAILS TO OPEN
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
62	5.47E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F004B	CHECK VALVE F004B FAILS TO OPEN
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
63	5.47E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

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#	Cutset Prob	Event Prob	Event	Description
		7.99E-04	C41-UV_-CC-F005A	CHECK VALVE F005A FAILS TO OPEN
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
64	5.47E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F005B	CHECK VALVE F005B FAILS TO OPEN
		4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
65	4.57E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
66	2.92E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F004A	CHECK VALVE F004A FAILS TO OPEN
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
67	2.92E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F004B	CHECK VALVE F004B FAILS TO OPEN
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
68	2.92E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F005A	CHECK VALVE F005A FAILS TO OPEN
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
69	2.92E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		7.99E-04	C41-UV_-CC-F005B	CHECK VALVE F005B FAILS TO OPEN
		2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
70	2.28E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious

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#	Cutset Prob	Event Prob	Event	Description
71	2.28E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
72	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
73	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
74	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
75	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
76	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
77	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
78	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

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#	Cutset Prob	Event Prob	Event	Description
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
79	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
80	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
81	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
82	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
83	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
84	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
85	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
86	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

Table 11B-19
Level 1 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
87	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
88	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
89	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
90	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
91	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
92	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
93	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP

Table 11B-19
Level 1 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
94	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
95	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
96	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
97	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
98	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
99	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
100	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	1.52E-10	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
2	7.35E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
3	7.35E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
4	3.81E-11	3.81E-07	%T-LOPP-WRF4_F5	WEATHER RELATED LOSS OF PREFERRED POWER F4/F5 TORNADO
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
5	3.67E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
6	3.67E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
7	3.67E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
8	3.67E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
9	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
10	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
11	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
12	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
13	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
14	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
15	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
16	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
17	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
18	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
19	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
20	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
21	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
22	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
23	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
24	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
25	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
26	2.28E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
27	2.21E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
28	2.21E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
29	1.73E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'
30	1.10E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
31	1.10E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
32	1.10E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
33	1.10E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
34	1.01E-11	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		6.67E-06	C72-LOG-FC-D_1_2_3	CCF of three components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
35	5.07E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.33E-06	C72-LOG-FC-D_1_2	CCF of two components: C72-LOG-FC-D1DPS & C72-LOG-FC-D2DPS
36	5.07E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.33E-06	C72-LOG-FC-D_1_3	CCF of two components: C72-LOG-FC-D1DPS & C72-LOG-FC-D3DPS
37	5.07E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.33E-06	C72-LOG-FC-D_2_3	CCF of two components: C72-LOG-FC-D2DPS & C72-LOG-FC-D3DPS
38	4.33E-12	3.81E-07	%T-LOPP-WRF4_F5	WEATHER RELATED LOSS OF PREFERRED POWER F4/F5 TORNADO
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
39	3.67E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-05	E50-SQV-CF-4OPEN	CCF OF 4 OR MORE SQUIB VALVES TO OPEN
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
40	3.04E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
		7.99E-04	C41-UV_-CC-F004A	CHECK VALVE F004A FAILS TO OPEN
41	3.04E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
		7.99E-04	C41-UV_-CC-F004B	CHECK VALVE F004B FAILS TO OPEN
42	3.04E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
		7.99E-04	C41-UV_-CC-F005A	CHECK VALVE F005A FAILS TO OPEN
43	3.04E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
		7.99E-04	C41-UV_-CC-F005B	CHECK VALVE F005B FAILS TO OPEN
44	2.99E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
45	2.83E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.86E-06	C72-LDD-CF-LOADS	COMMON CAUSE FAILURE OF DPS LOAD DRIVERS
46	2.39E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		4.60E-02	R21-DG_-TM-DGA	STANDBY DIESEL GENERATOR "A" IN MAINTENANCE
47	2.07E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
48	2.07E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
49	1.52E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
50	1.52E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
51	1.49E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
52	1.49E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
53	1.22E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		5.00E-06	C72-ATM-FC-L1_ALL	CCF of all components in group 'C72-ATM-FC-L1'
		1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
54	1.21E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
55	1.21E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
		4.60E-02	R21-DG_-TM-DGA	STANDBY DIESEL GENERATOR "A" IN MAINTENANCE
56	1.21E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
57	1.21E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
		4.60E-02	R21-DG_-TM-DGA	STANDBY DIESEL GENERATOR "A" IN MAINTENANCE
58	1.19E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		4.60E-02	R21-DG_-TM-DGA	STANDBY DIESEL GENERATOR "A" IN MAINTENANCE
59	1.19E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		4.60E-02	R21-DG_-TM-DGA	STANDBY DIESEL GENERATOR "A" IN MAINTENANCE
60	1.10E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-05	E50-SQV-CF-4OPEN	CCF OF 4 OR MORE SQUIB VALVES TO OPEN
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
61	1.03E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
62	1.03E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
63	1.03E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
64	1.03E-12	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
65	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0004	AIR OPERATED VALVE F0004 FAILS TO CLOSE
66	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0007	AIR OPERATED VALVE F0007 FAILS TO CLOSE
67	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0020	AIR OPERATED VALVE F0020 FAILS TO CLOSE

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
68	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0027	AIR OPERATED VALVE F0027 FAILS TO CLOSE
69	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0061	AIR OPERATED VALVE F0061 FAILS TO CLOSE
70	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0004	AIR OPERATED VALVE F0004 FAILS TO CLOSE
71	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0007	AIR OPERATED VALVE F0007 FAILS TO CLOSE
72	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0020	AIR OPERATED VALVE F0020 FAILS TO CLOSE

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
73	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0027	AIR OPERATED VALVE F0027 FAILS TO CLOSE
74	9.14E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		2.00E-03	P21-ACV-OO-F0061	AIR OPERATED VALVE F0061 FAILS TO CLOSE
75	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
76	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
77	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
78	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
79	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
80	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
81	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
82	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
83	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
84	9.12E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
85	7.96E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
86	7.96E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
87	7.56E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
88	7.56E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
89	7.56E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
90	7.56E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
91	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
92	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR60	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
93	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR61	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
94	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
95	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR64	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
96	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR65	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
97	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure

Table 11B-20
Level 1 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
98	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR68	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
99	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR69	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
100	7.35E-13	1.52E-02	%T-LOPP-WRH	WEATHER RELATED LOSS OF PREFERRED POWER HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	1.73E-07	BYP	1.52E-02	%H_T-LOPP-WRH	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
2	6.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
3	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
4	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
5	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
6	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
7	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
8	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
9	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
10	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
11	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
12	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
13	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
14	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
15	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
16	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
17	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
18	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
19	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
20	4.10E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
21	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
22	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
23	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
24	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

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Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
25	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
26	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
27	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
28	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
29	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
30	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
31	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
32	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
33	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
34	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
35	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
36	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
37	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
38	2.19E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
39	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006A	SAFETY/RELIEF VALVE F006A FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
40	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006B	SAFETY/RELIEF VALVE F006B FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
41	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006C	SAFETY/RELIEF VALVE F006C FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
42	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006D	SAFETY/RELIEF VALVE F006D FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
43	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006E	SAFETY/RELIEF VALVE F006E FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
44	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006F	SAFETY/RELIEF VALVE F006F FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
45	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006G	SAFETY/RELIEF VALVE F006G FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
46	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006H	SAFETY/RELIEF VALVE F006H FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
47	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006J	SAFETY/RELIEF VALVE F006J FAILS TO RE-CLOSE

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
48	1.04E-09	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-F006K	SAFETY/RELIEF VALVE F006K FAILS TO RE-CLOSE
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
49	7.01E-10	OPW2	7.01E-06	%TF2F3_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
50	5.47E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F004A	CHECK VALVE F004A FAILS TO OPEN
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
51	5.47E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F004B	CHECK VALVE F004B FAILS TO OPEN
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
52	5.47E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F005A	CHECK VALVE F005A FAILS TO OPEN
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
53	5.47E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F005B	CHECK VALVE F005B FAILS TO OPEN
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
54	2.92E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F004A	CHECK VALVE F004A FAILS TO OPEN
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
55	2.92E-10	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			7.99E-04	C41-UV_-CC-F004B	CHECK VALVE F004B FAILS TO OPEN
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
56	2.92E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F005A	CHECK VALVE F005A FAILS TO OPEN
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
57	2.92E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			7.99E-04	C41-UV_-CC-F005B	CHECK VALVE F005B FAILS TO OPEN
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
58	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
59	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
60	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
61	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
62	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
63	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
64	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
65	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
66	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
67	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
68	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
69	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
70	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
71	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
72	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
73	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
74	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
75	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
76	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
77	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
78	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
79	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
80	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
81	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
82	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
83	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
84	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
85	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
86	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
87	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
88	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
89	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
90	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
91	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
92	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
93	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
94	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
95	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

Table 11B-21
Level 2 High Winds Focus Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
96	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
97	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_2_3_4	CCF of three components: C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP
98	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_3	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
99	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_2_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV2 & C71-SLU-FC-RP
100	1.52E-10	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			1.67E-06	C71-SLU-FC-R_1_3_4	CCF of three components: C71-SLU-FC-RPSDIV1 & C71-SLU-FC-RPSDIV3 & C71-SLU-FC-RP

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
1	4.33E-12	BYP	3.81E-07	%T-F4F5_T-LOPP-WRH	
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
2	2.45E-12	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
3	2.45E-12	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
4	1.52E-12	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
5	7.96E-13	BOC	1.52E-02	%H_T-LOPP-WRH	
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
6	7.96E-13	BOC	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			5.23E-07	T10-UV_-CC-VBISVS_1_2_3	CCF of three components: T10-UV_-CC-ISV1 & T10-UV_-CC-ISV2 & T10-UV_-CC-ISV3
7	7.35E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
8	7.35E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
9	6.37E-13	BOC	1.52E-02	%H_T-LOPP-WRH	
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			4.19E-07	T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3	CCF of three components: T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3
10	6.37E-13	BOC	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
			4.19E-07	T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3	CCF of three components: T10-VB_-CC-VB1 & T10-VB_-CC-VB2 & T10-VB_-CC-VB3
11	6.13E-13	OPW2	3.81E-07	%T-F4F5_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
12	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
13	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
14	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
15	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
16	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
17	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
18	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
19	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
20	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
21	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
22	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

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Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
23	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
24	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
25	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
26	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
27	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
28	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
29	4.10E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
30	3.81E-13	CCIW	3.81E-07	%T-F4F5_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
31	3.67E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
32	3.67E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-DEPRESS	OPERATOR FAILS TO RECOGNIZE NEED OF DEPRESSURIZATION
33	3.67E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
34	3.67E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
			1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
35	3.38E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
36	3.38E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			2.22E-03	U43-EDP-FS_1_2	CCF of two components: U43-EDP-FS-P1A & U43-EDP-FS-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
37	2.72E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
38	2.72E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.11E-05	B32-NMO-CC_1_2	CCF of two components: B32-NMO-CC-F104A & B32-NMO-CC-F104B
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.61E-02	U43-XHE-FO-MAKEUP	OPERATOR FAILS TO ACTUATE U43 IN MAKE UP MODE
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
39	2.45E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
40	2.45E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
			1.61E-03	XXX-XHE-FO-ICPCCS	Operator fails to recognize the need to makeup ICS/PCCS Pool level.
41	2.36E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
			4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
42	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
43	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
44	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
45	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
46	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
47	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
48	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
49	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
50	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
51	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
52	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
53	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
54	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
55	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
56	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
57	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
58	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
59	2.28E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.50E-07	C12-ROD-CF-SCRAM	CCF OF CONTROL RODS TO INSERT
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
60	2.21E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
61	2.21E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
			3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
			4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
62	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
63	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
64	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
65	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
66	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
67	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
68	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
69	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
70	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
71	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
72	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
73	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
74	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
75	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
76	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
77	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
78	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
79	2.19E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			2.40E-05	C71-OLU-FC-R_ALL	CCF of all components in group 'C71-OLU-FC-R'
			1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS
80	2.06E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104A	F104A Fails to Open
			1.00E-04	B32-NPO-CC-F104D	F104D Fails to Open
			1.36E-03	U43-EDP-FR_1_2	CCF of two components: U43-EDP-FR-P1A & U43-EDP-FR-P2A
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
81	2.06E-13	OPW2	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	B32-NMO-CC-F104B	F104B fails to open
			1.00E-04	B32-NPO-CC-F104C	F104C fails to open
			1.36E-03	U43-EDP-FR_1_2	CCF of two components: U43-EDP-FR-P1A & U43-EDP-FR-P2A

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			1.00E+00	XHOS72H	HOUSE EVENT: 72 HOURS (VALUE =1)
82	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV1	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
83	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV10	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
84	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV11	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
85	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV12	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
86	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV13	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
87	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV14	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
88	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV15	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
89	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV16	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
90	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV17	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
91	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV18	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
92	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV2	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
93	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
			6.00E-03	B21-SRV-OO-ANYSRV3	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
94	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV4	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
95	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV5	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
96	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV6	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
97	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV7	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
98	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV8	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'

Table 11B-22
Level 2 High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Release	Event Prob	Event	Description
99	2.05E-13	BYP	1.52E-02	%H_T-LOPP-WRH	
			6.00E-03	B21-SRV-OO-ANYSRV9	SAFETY/RELIEF VALVE FAILS TO RE-CLOSE
			5.00E-05	C12-SOV-FE-ARI_ALL	CCF of all components in group 'C12-SOV-FE-ARI'
			4.50E-05	C71-SLU-FC-R_ALL	CCF of all components in group 'C71-SLU-FC-R'
100	1.73E-13	CCIW	1.52E-02	%H_T-LOPP-WRH	
			1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
			1.00E-02	L2-BI_FN-ESTIMATE	POINT ESTIMATE - CORE NOT COOLED BY DELUGE FLOW
			1.14E-05	R13-INV-FC-CCFNSR_ALL	CCF of all components in group 'R13-INV-FC-CCFNSR'

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	2.11E-07	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
2	2.40E-08	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
3	9.31E-09	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
4	1.06E-09	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
5	8.59E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
6	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
7	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
8	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
9	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
10	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
11	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
12	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
13	3.17E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
14	1.69E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		8.00E-08	C63-LT_-NO_1_2_3	CCF of three components: C63-LT_-NO-LTA & C63-LT_-NO-LTB & C63-LT_-NO-LTC
15	1.69E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		8.00E-08	C63-LT_-NO_1_2_4	CCF of three components: C63-LT_-NO-LTA & C63-LT_-NO-LTB & C63-LT_-NO-LTD
16	1.69E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		8.00E-08	C63-LT_-NO_1_3_4	CCF of three components: C63-LT_-NO-LTA & C63-LT_-NO-LTC & C63-LT_-NO-LTD
17	1.69E-10	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		8.00E-08	C63-LT_-NO_2_3_4	CCF of three components: C63-LT_-NO-LTB & C63-LT_-NO-LTC & C63-LT_-NO-LTD
18	5.63E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		2.67E-08	C63-LT_-NO_ALL	CCF of all components in group 'C63-LT_-NO'
19	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
20	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
21	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
22	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
23	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
24	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
25	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
26	4.98E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
27	3.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		4.07E-07	R16-BT_-LP-CCFSR_ALL	CCF of all components in group 'R16-BT_-LP-CCFSR'
28	3.17E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
29	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
30	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
31	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
32	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
33	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
34	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
35	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
36	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
37	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
38	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
39	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
40	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
41	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
42	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
43	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
44	2.85E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
45	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
46	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
47	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
48	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
49	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
50	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
51	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
52	2.80E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
53	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
54	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
55	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
56	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
57	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
58	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
59	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
60	2.79E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
61	2.70E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.28E-08	C63-PT_-NO_ALL	CCF of all components in group 'C63-PT_-NO'
62	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
63	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
64	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
65	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
66	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
67	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
68	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
69	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
70	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
71	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
72	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
73	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
74	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
75	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
76	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
77	1.40E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.50E-04	E50-SQV-CC_ALL	CCF of all components in group 'E50-SQV-CC'
78	1.26E-11	2.36E-08	%M6U_LOPPF2_F3	LOSS OF PREF POWER - MODE 6 UNFLOODED F2/F3 TORNADO
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
79	1.16E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		5.49E-09	C63-PT_-NO_1_2_3	CCF of three components: C63-PT_-NO-PT1A & C63-PT_-NO-PT1B & C63-PT_-NO-PT1C
80	1.16E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		5.49E-09	C63-PT_-NO_1_2_4	CCF of three components: C63-PT_-NO-PT1A & C63-PT_-NO-PT1B & C63-PT_-NO-PT1D
81	1.16E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		5.49E-09	C63-PT_-NO_1_3_4	CCF of three components: C63-PT_-NO-PT1A & C63-PT_-NO-PT1C & C63-PT_-NO-PT1D
82	1.16E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		5.49E-09	C63-PT_-NO_2_3_4	CCF of three components: C63-PT_-NO-PT1B & C63-PT_-NO-PT1C & C63-PT_-NO-PT1D
83	7.68E-12	7.68E-08	%M5-LOPPF2_F3	LOSS OF PREF POWER - MODE 5 F2/F3 TORNADO
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software

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Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
84	7.60E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-05	B32-HX_-PG-HX001A	Heat Exchanger HX001A Plugs
85	7.60E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-05	B32-HX_-PG-HX001B	Heat Exchanger HX001B Plugs
86	7.60E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-05	B32-HX_-PG-HX002A	Heat Exchanger HX002A Plugs
87	7.60E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		2.40E-05	B32-HX_-PG-HX002B	Heat Exchanger HX002B Plugs
88	7.45E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		8.00E-08	C63-LT_-NO_1_2_3	CCF of three components: C63-LT_-NO-LTA & C63-LT_-NO-LTB & C63-LT_-NO-LTC
89	7.45E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		8.00E-08	C63-LT_-NO_1_2_4	CCF of three components: C63-LT_-NO-LTA & C63-LT_-NO-LTB & C63-LT_-NO-LTD
90	7.45E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		8.00E-08	C63-LT_-NO_1_3_4	CCF of three components: C63-LT_-NO-LTA & C63-LT_-NO-LTC & C63-LT_-NO-LTD
91	7.45E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		8.00E-08	C63-LT_-NO_2_3_4	CCF of three components: C63-LT_-NO-LTB & C63-LT_-NO-LTC & C63-LT_-NO-LTD
92	7.23E-12	2.36E-08	%M6U_LOPPF2_F3	LOSS OF PREF POWER - MODE 6 UNFLOODED F2/F3 TORNADO
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
93	7.23E-12	2.36E-08	%M6U_LOPPF2_F3	LOSS OF PREF POWER - MODE 6 UNFLOODED F2/F3 TORNADO
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
94	7.09E-12	2.36E-08	%M6U_LOPPF2_F3	LOSS OF PREF POWER - MODE 6 UNFLOODED F2/F3 TORNADO
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
95	7.08E-12	2.36E-08	%M6U_LOPPF2_F3	LOSS OF PREF POWER - MODE 6 UNFLOODED F2/F3 TORNADO
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
96	4.98E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
97	4.89E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-03	E50-SQV-CC-F002A	SQUIB VALVE F002A FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
98	4.89E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-03	E50-SQV-CC-F002D	SQUIB VALVE F002D FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
99	4.89E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-03	E50-SQV-CC-F002E	SQUIB VALVE F002E FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
100	4.89E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE

Table 11B-23
Shutdown High Winds Focus Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-03	E50-SQV-CC-F002H	SQUIB VALVE F002H FAILS TO OPERATE
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
1	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
2	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
3	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
4	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
5	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
6	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
7	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
8	5.10E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
9	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
10	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
11	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
12	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
13	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
14	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
15	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
16	1.82E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
17	1.60E-11	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.07E-02	E50-STR-PG-D002B	STRAINER D002B PLUGGED
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
18	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
19	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
20	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
21	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
22	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
23	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
24	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
25	1.58E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		5.00E-02	MS-TOP2	TWO DPVs FAIL TO OPEN
26	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
27	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
28	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
29	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
30	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
31	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
32	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
33	1.53E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
34	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
35	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
36	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
37	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
38	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
39	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
40	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
41	1.46E-11	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
42	8.99E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		6.00E-03	E50-SQV-CC-F006B	SQUIB VALVE F006B FAILS TO OPERATE IN EXTREME CONDITIONS
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
43	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
44	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
45	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
46	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
47	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
48	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
49	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
50	8.02E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
51	5.74E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.07E-02	E50-STR-PG-D002B	STRAINER D002B PLUGGED
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
52	5.10E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
53	5.10E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-04	C63-CCFSOFTWARE_S	Common cause failure of software, for spurious
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
54	4.82E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.07E-02	E50-STR-PG-D002B	STRAINER D002B PLUGGED
		4.84E-02	G21-BV_-RE-F334	MISPOSITION OF VALVE F334
55	4.80E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		4.54E-03	R21-DG_-FR-CCF_1_2	CCF of two components: R21-DG_-FR-DGA & R21-DG_-FR-DGB
56	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
57	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
58	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
59	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
60	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
61	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
62	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
63	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
64	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
65	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
66	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
67	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
68	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
69	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
70	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003A	CHECK VALVE F003A FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003E	CHECK VALVE F003E FAILS TO REMAIN OPEN OR PLUG

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
71	4.59E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.75E-02	E50-UV_-OC-F003D	CHECK VALVE F003D FAILS TO REMAIN OPEN OR PLUG
		1.75E-02	E50-UV_-OC-F003H	CHECK VALVE F003H FAILS TO REMAIN OPEN OR PLUG
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
72	4.58E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.07E-02	E50-STR-PG-D002B	STRAINER D002B PLUGGED
		4.60E-02	R21-DG_-TM-DGB	STANDBY DIESEL GENERATOR "B" IN MAINTENANCE
73	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
74	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
75	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
76	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
77	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
78	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
79	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
80	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		3.00E-04	E50-UV_OC_ALL	CCF of all components in group 'E50-UV_OC'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
81	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
82	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
83	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
84	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
85	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
86	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
87	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
88	4.50E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		3.00E-04	E50-SQV-CC-EQU_ALL	CCF of all components in group 'E50-SQV-CC-EQU'
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
89	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
90	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR59	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
91	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR62	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
92	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR63	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
93	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR66	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
94	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR67	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
95	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR70	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
96	4.43E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.50E-04	B21-SQV-CC_ALL	CCF of all components in group 'B21-SQV-CC'
		1.00E-03	C63-UNDEVSPUR71	Undeveloped spurious hardware failure
		1.40E-02	R21-DG_-FS-DGB	DG-B FAILS TO START AND LOAD
97	3.51E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.14E-05	R13-INV-FC-CCFSR_ALL	CCF of all components in group 'R13-INV-FC-CCFSR'
		5.76E-02	R21-DG_-FR-DGA	DIESEL GENERATOR "A" FAILS TO RUN GIVEN START
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
98	3.40E-12	2.11E-03	%M5-LOPP	LOSS OF PREF POWER - MODE 5
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		1.00E-04	C72-CCFSOFTWARE	COMMON CAUSE FAILURE OF DPS PROCESSORS

Table 11B-24
Shutdown High Winds RTNSS Top 100 Cutsets

#	Cutset Prob	Event Prob	Event	Description
		1.61E-01	XXX-XHE-FO-LPMAKEUP	OP. FAILS TO RECOG. NEED FOR LOW PRESS. MAKEUP AFTER DEPRESSURIZATION
99	3.22E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E+00	B32-NONCONDENSE	Non condensable gasses form in ICS sufficiently to require venting
		1.00E-04	C63-CCFSOFTWARE	Common cause failure of software
		6.00E-03	E50-SQV-CC-F006B	SQUIB VALVE F006B FAILS TO OPERATE IN EXTREME CONDITIONS
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START
100	2.87E-12	9.31E-05	%M5O_LOPPH	LOSS OF PREF POWER - MODE 5 OPEN HURRICANE
		1.00E-03	C63-UNDEVSPUR58	Undeveloped spurious hardware failure
		5.35E-04	E50-STR-PG_ALL	CCF of all components in group 'E50-STR-PG'
		5.76E-02	R21-DG_-FR-DGB	DIESEL GENERATOR "B" FAILS TO RUN GIVEN START