

## **BASIC EVENTS & DESCRIPTIONS**



**TABLE C.8-1**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1AMRLY-LF-OUT-3A	2.66E-004	ANSAC OUTPUT RELAY 3A LOSS OF FUNCTION
1AMRLY-LF-OUT-3B	2.66E-004	ANSAC OUTPUT RELAY 3B LOSS OF FUNCTION
1ANTHR-LF-27SEC	7.99E-004	ANSAC 27 SEC. TIMER FAILS FOLLOWING A FAILURE OF RPS ACT.
1BDAOV-FO-TV100E	1.81E-002	AIR OPRTE VALVE FAILS OPEN 1-BD-TV-100E
1BDAOV-FO-TV100F	1.81E-002	AIR OPRTE VALVE FAILS OPEN 1-BD-TV-100F
1BDAOV-FO-TV100J	1.81E-002	AIR OPRTE VALVE FAILS OPEN 1-BD-TV-100J
1BDSOV-FO-100E	1.81E-002	SOLENOID VALVE FAILS OPEN 1-BD-SOV-100E
1BDSOV-FO-100F	1.81E-002	SOLENOID VALVE FAILS OPEN 1-BD-SOV-100F
1BDSOV-FO-100J	1.81E-002	SOLENOID VALVE FAILS OPEN 1-BD-SOV-100J
1CCAOV-FC-TV103A	1.81E-002	AIR-OPERATED VALVE TV103A FAILS CLOSED (FAILS TO OPEN)
1CCAOV-FC-TV103B	1.81E-002	AIR-OPERATED VALVE TV103B FAILS CLOSED (FAILS TO OPEN)
1CCAOV-SC-104A1	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-104A2	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-104B1	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-104B2	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-104C1	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-104C2	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-TV101A	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-TV101B	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-TV116A	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-TV116B	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-SC-TV116C	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE(OPN) DURING MISSION
1CCAOV-UM-TV103A	2.00E-004	AIR OPRTE VALVE 1-CC-TV-103A UNSCHD MAINT.
1CCCKV-FC-1CC47	6.34E-004	CHECK VALVE 1-CC-47 FAILS CLOSED (FAILS TO OPEN)
1CCCKV-FO-1CC24	3.44E-003	CHECK VALVE 1-CC-24 FAILS OPEN (FAILS TO CLOSE)
1CCCKV-PG-1CC24	3.00E-006	CHECK VALVE 1CC-24 PLUGGED DURING MISSION
1CCHEX-LF-1CCE1B	9.48E-003	HEAT EXCHANGER 1-CC-E-1B LOSS OF FUNCTION
1CCHEX-LU-1CCE1A	2.09E-004	HEAT EXCHANGER 1-CC-E-1A LOSS OF FUNCTION
1CCHEX-UM-1CCE1B	2.00E-004	HEAT EXCHANGER 1-CC-E-1B UNSCHD MAINTENANCE
1CCMOV-CC-100AB	3.90E-004	CCF MOTOR OPERATED VALVES CC-100A & B FAIL CLOSED
1CCMOV-FC-CC100A	1.09E-002	MOTOR OPERTE VALVE CC-100A FAILS CLSD (FAILS TO OPEN)
1CCMOV-FC-CC100B	1.09E-002	MOTOR OPERTE VALVE CC-100B FAILS CLSD (FAILS TO OPEN)
1CCMV--FC-1CC41	1.25E-004	N. C. MANUAL VALVE 1-CC-41 FAILS CLOSED
1CCMV--FC-1CC56	1.25E-004	MANUAL VALVE 1CC-56 FAILS CLOSED (FAILS TO OPEN)
1CCMV--FC-1SW232	1.25E-004	MANUAL VALVE SW-232 FAILS CLOSED (FAILS TO OPN)
1CCMV--PG-1CC194	4.10E-004	N.O. MANUAL VALVE 1-CC-194 PLUGGED DURING STANDBY
1CCMV--PG-1CC199	4.10E-004	N.O. MANUAL VALVE 1-CC-199 PLUGGED DURING STANDBY
1CCMV--PG-1CC39	4.50E-005	N.O. MANUAL VALVE 1-CC-39 PLUGGED DURING STANDBY
1CCMV--PG-1CC48	4.50E-005	N.O. MANUAL VALVE 1-CC-48 PLUGGED DURING STANDBY
1CCMV--PG-1CC50	1.37E-004	N.O. MANUAL VALVE 1-CC-50 PLUGGED DURING STANDBY
1CCMV--PG-1CC762	4.10E-004	N.O. MANUAL VALVE 1-CC-762 PLUGGED DURING STANDBY
1CCMV--PG-1CC785	4.10E-004	N.O. MANUAL VALVE 1-CC-785 PLUGGED DURING STANDBY
1CCMV--PG-1SW233	1.37E-004	N.O. MANUAL VALVE 1-SW-233 PLUGGED DURING STANDBY
1CCMV--PG-1SW241	1.37E-004	N.O. MANUAL VALVE 1-SW-241 PLUGGED DURING STANDBY
1CCPAT-FR-1CCP1A	7.93E-004	MOTOR DRIVEN PUMP 1-CC-P-1A FAILS TO RUN
1CCPSB-FR-1CCP1B	7.93E-004	STANDBY PUMP 1-CC-P-1B FAILS TO RUN
1CCPSB-FS-1CCP1B	3.93E-003	STANDBY PUMP 1-CC-P-1B FAILS TO START
1CCPSB-UM-1CCP1B	3.75E-003	MD STNDBY PUMP 1-CC-P-1B UNSCHDL MAINT.
1CCSV--SO-RV125A	9.33E-005	SAFETY VALVE RV125A SPURIOUSLY OPEN DURING MISSION
1CCSV--SO-RV125B	9.33E-005	SAFETY VALVE RV125B SPURIOUSLY OPEN DURING MISSION
1CCSV--SO-RV125C	9.33E-005	SAFETY VALVE RV125C SPURIOUSLY OPEN DURING MISSION
1CCSV--SO-RV128A	9.33E-005	FLOW DIVERSION RELIEF VLV SPURIOUS OPEN. 1-CC-RV-128A
1CCSV--SO-RV128B	9.33E-005	SAFETY VALVE SPURIOUSLY OPEN DURING MISSION
1CCSV--SO-RV131A	9.33E-005	SAFETY VALVE SPURIOUSLY OPEN DURING MISSION
1CCSV--SO-RV131B	9.33E-005	SAFETY VALVE SPURIOUSLY OPEN DURING MISSION
1CCTNK-LF-1CCTK1	2.66E-006	INSUFF CC PUMP NPSH SURGE TANK 1-CC-TK1 LOSS OF FUNCTION
1CDCKV-FC-1CD182	6.34E-004	CHECK VALVE 1-CD-182 FAILS CLOSED
1CDCKV-FC-1CD209	6.34E-004	CHECK VALVE 1-CD-209 FAILS CLOSED
1CDCKV-FC-2CD187	6.34E-004	CHECK VALVE 2-CD-187 FAILS CLOSED
1CDMV--FC-1CD174	1.25E-004	MANUAL GATE VALVE 1-CD-174 FAILS CLOSED
1CDMV--FC-1CD175	1.25E-004	MANUAL GATE VALVE 1-CD-175 FAILS CLOSED
1CDMV--FC-1CD205	1.25E-004	MANUAL GATE VALVE 1-CD-205 FAILS CLOSED

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1CDMV--FC-1CD216	1.25E-004	MANUAL GATE VALVE 1-CD-216 FAILS CLOSED
1CESTR-CC-SUMPPG	5.00E-005	COMMON CAUSE BLOCKAGE OF CONTAINMENT SUMP
1CHADV-SC-1115A	1.21E-005	LCV-1115A SPURIOUS CLOSURE OR PLUGGING DURING MISSION
1CHCKV-CC-267279	6.34E-005	CCF OF CHECK VALVES CH-267 AND CH-279
1CHCKV-FC-1CH238	6.34E-004	CHECK VALVE CH-238 FAILS CLOSED (FAILS TO OPEN)
1CHCKV-FC-1CH252	6.34E-004	CHECK VALVE CH-252 FAILS CLOSED (FAILS TO OPEN)
1CHCKV-FC-1CH264	6.34E-004	CHECK VALVE CH-264 FAILS CLOSED (FAILS TO OPEN)
1CHCKV-FC-1CH267	6.34E-004	CHECK VALVE CH-267 FAILS CLOSED (FAILS TO OPEN)
1CHCKV-FC-1CH279	6.34E-004	CHECK VALVE CH-279 FAILS CLOSED (FAILS TO OPEN)
1CHCKV-FO-1CH254	1.15E-003	CHECK VALVE CH-254 FAILS OPEN (FAILS TO CLOSE)
1CHCKV-FO-1CH267	3.44E-003	CHECK VALVE CH-267 FAILS OPEN (FAILS TO CLOSE)
1CHCKV-FO-CH267	3.44E-003	CHECK VALVE CH-267 FAILS OPEN (FAILS TO CLOSE)
1CHHCV-FC-1311	1.81E-002	ADV OP HAND CNT VLV FAILS CLOSED 1-CH-HCV-1311
1CHHCV-FO-1310	1.81E-002	ADV OP HAND CNT VLV FAILS OPEN 1-CH-HCV-1310
1CHHEP-MOV-1275A	7.50E-004	MOV-1275A INADVERT MISPOSITION
1CHHEP-MOV-1275B	7.50E-004	MOV-1275B INADVERT MISPOSITION
1CHHEP-MOV-1373	7.50E-004	MOV-1373 INADVERT MISPOSITION
1CHHEX-LU-1CHE5A	2.09E-004	HEAT EXCHANGER E5A LOSS OF FUNCTION DURING MISSION
1CHHEX-LU-1CHE5B	2.09E-004	HEAT EXGR CH-E-5B LOSS OF FUNCTION DURING MISSION
1CHHEX-LU-1CHE5C	2.09E-004	HEAT EXCHANGER LOSS OF FUNCTION DURING MISSION
1CHMOV-FC-CH1350	1.09E-002	MOTOR OPERD VALVE CH-1350 FAILS CLSD (FAILS TO OPEN)
1CHMOV-FO-1286A	1.09E-002	MOTOR OPERD VALVE FAILS OPEN 1-CH-MOV-1286A
1CHMOV-PG-1275A	4.50E-005	MOTOR OPERD VALVE 1275A PLUGGED DURING OPERATION
1CHMOV-PG-1275B	4.50E-005	MOTOR OPERD VALVE 1275B PLUGGED DURING STANDBY
1CHMOV-PG-1373	4.50E-005	MOTOR OPERD VALVE 1373 PLUGGED DURING OPERATION
1CHPAT-CC-FS1ABC	4.97E-004	CCF 3/3 FS OF CHP 1A, 1B & 1C TO START
1CHPAT-CC-FS1B1C	4.97E-004	CCF 2/2 FS OF CHP 1B AND 1C TO START
1CHPAT-FR-1HRP1A	3.31E-005	CHARGING PUMP 1A FAILS TO RUN FOR ONE HOUR
1CHPAT-FR-1HRP1B	3.31E-005	CHARGING PUMP 1B FAILS TO RUN FOR ONE HOUR
1CHPAT-FR-24HP1A	7.93E-004	CHARGING PUMP 1A FAILS TO RUN FOR 24 HOURS
1CHPAT-FR-24HP1B	7.93E-004	CHARGING PUMP 1B FAILS TO RUN FOR 24 HOURS
1CHPAT-FR-24HP1C	7.93E-004	CHARGING PUMP 1C FAILS TO RUN
1CHPAT-FS-1CHP1A	1.98E-003	CHARGING PUMP 1A FAILS TO START
1CHPAT-FS-1CHP1B	5.08E-003	CHARGING PUMP 1B FAILS TO START
1CHPAT-FS-1CHP1C	5.08E-003	CHARGING PUMP 1C FAILS TO START
1CHPAT-FS-1CHP2A	1.98E-003	BAT PUMP CH-P-2A FAILS TO SWITCH TO FAST SPEED
1CHPAT-PT-14:2	7.00E-004	CHARGING PUMP B IN PT 14.2
1CHPAT-PT-14:3	7.00E-004	CHARGING PUMP 1C IN PT 14.3
1CHPAT-UM-1CHP1C	3.27E-001	CHARGING PUMP 1C UNSCHLD MAINT.
1CHPAT-UM-1CHPBC	7.53E-004	CHARGING PUMPS 1B AND 1C IN MAINTENANCE
1CHRV--SO-1257	9.33E-005	VCT RELIEF VALVE 1257 SPURIOUS OPENING
1CHTNK-LU-1CHTK2	2.66E-006	VCT LEAK LEADING TO LOSS OF FUNCTION DURING MISSION
1CICDA-TM-HIHI-A	1.40E-003	CDA HIGH HIGH TRAIN A PROTECTION IN TEST
1CICDA-TM-HIHI-B	1.40E-003	CDA HIGH HIGH TRAIN B PROTECTION IN TEST
1CIHS--LF-PB-1-A	2.66E-005	HAND SWITCH CDA PUSHBUTTON 1 TR A LOSS OF FUNCTION
1CIHS--LF-PB-1-B	2.66E-005	HAND SWITCH CDA PUSHBUTTON 1 TR B LOSS OF FUNCTION
1CIHS--LF-PB-2-A	2.66E-005	HAND SWITCH CDA PUSHBUTTON 2 TR A LOSS OF FUNCTION
1CIHS--LF-PB-2-B	2.66E-005	HAND SWITCH CDA PUSHBUTTON 2 TR. B LOSS OF FUNCTION
1CIPIC-LF-100A	4.63E-003	PRESSURE CHANNEL PT-LM100A LOSS OF FNCN DURING STANDBY
1CIPIC-LF-100B	4.63E-003	PRESSURE CHANNEL PT-LM100B LOSS OF FNCN DURING STANDBY
1CIPIC-LF-100B-1	4.63E-003	PRESS INST CHANN LM 100B-1 LOSS OF FNCN DURING STANDBY
1CIPIC-LF-100C	4.63E-003	PRESSURE CHANNEL PT-LM100C LOSS OF FNCN DURING STANDBY
1CIPIC-LF-100C-1	4.63E-003	PRESS INST CHANN LM 100C-1 LOSS OF FNCN DURING STANDBY
1CIPIC-LF-100D	4.63E-003	PRESSURE CHANNEL PT-LM100D LOSS OF FNCN DURING STANDBY
1CIPIC-LF-100D-1	4.63E-003	PRESS INST CHANN LM 100D-1 LOSS OF FNCN DURING STANDBY
1CIRLY-LF-644XA1	2.66E-004	RELAY K644-XA1 LOSS OF FUNCTION
1CIRLY-LF-644XB1	2.66E-004	RELAY K644-XB1 LOSS OF FUNCTION
1CIRLY-LF-K137-A	2.66E-004	RELAY K137 TRAIN A FAILS TO ENERGIZE
1CIRLY-LF-K137-B	2.66E-004	RELAY K137 TRAIN B FAILS TO ENERGIZE
1CIRLY-LF-K216-A	2.66E-004	RELAY K216 TRAIN A FAILS TO ENERGIZE
1CIRLY-LF-K216-B	2.66E-004	RELAY K216 TRAIN B FAILS TO ENERGIZE
1CIRLY-LF-K217A	2.66E-004	RELAY K217 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K217B	2.66E-004	RELAY K217 TRAIN B LOSS OF FUNCTION



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1CIRLY-LF-K329-A	2.66E-004	RELAY K329 TRAIN A FAILS TO ENERGIZE
1CIRLY-LF-K329-B	2.66E-004	RELAY K329 TRAIN B FAILS TO ENERGIZE
1CIRLY-LF-K330A	2.66E-004	RELAY K330 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K330B	2.66E-004	RELAY K330 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K429-A	2.66E-004	RELAY K429-A FAILS TO ENERGIZE
1CIRLY-LF-K429-B	2.66E-004	RELAY K429 TRAIN B FAILS TO ENERGIZE
1CIRLY-LF-K430A	2.66E-004	RELAY K430 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K430B	2.66E-004	RELAY K430 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K505-A	2.66E-004	MASTER RELAY K505 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K505-B	2.66E-004	MASTER RELAY K505 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K506-A	2.66E-004	MASTER RELAY K506 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K506-B	2.66E-004	MASTER RELAY K506 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K519-A	2.66E-004	MASTER RELAY K519 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K519-B	2.66E-004	MASTER RELAY K519 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K618-A	2.66E-004	SLAVE RELAY K618 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K618-B	2.66E-004	SLAVE RELAY K618 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K619-A	2.66E-004	SLAVE RELAY K619 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K619-B	2.66E-004	SLAVE RELAY K619 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K625-A	2.66E-004	SLAVE RELAY K625 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K625-B	2.66E-004	SLAVE RELAY K625 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K626-A	2.66E-004	SLAVER RELAY K626 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K626-B	2.66E-004	SLAVE RELAY K626 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K643-A	2.66E-004	SLAVER RELAY K643 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K643-B	2.66E-004	SLAVE RELAY K643 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K644-A	2.66E-004	SLAVE RELAY K644 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K644-B	2.66E-004	SLAVE RELAY K644 TRAIN B LOSS OF FUNCTION
1CIRLY-LF-K645-A	2.66E-004	SLAVE RELAY K645 TRAIN A LOSS OF FUNCTION
1CIRLY-LF-K645-B	2.66E-004	SLAVE RELAY K645 TRAIN B LOSS OF FUNCTION
1CNCKV-FO-1CN21	3.44E-003	CHECK VALVE FAILS OPEN 1-CN-21
1CNCKV-FO-1CN9	3.44E-003	CHECK VALVE FAILS OPEN (FAILS TO CLOSE)
1CNLCV-CC-10912	1.81E-003	CCF 2/2 FAILS CLOSED 1-CN-LCV-109-1/-2
1CNLCV-FC-109-1	1.81E-002	LEVEL CONTROL VALVE FAILS CLOSED 1-CN-LCV-109-1
1CNLCV-FC-109-2	1.81E-002	LEVEL CONTROL VALVE FAILS CLOSED 1-CN-LCV-109-2
1CNPAT-FR-1CNP1A	7.93E-004	MD ALT PUMP FAILS TO RUN 1-CN-P-1A
1CNPAT-FR-1CNP1B	7.93E-004	MD ALT PUMP FAILS TO RUN 1-CN-P-1B
1CNPAT-FR-1CNP1C	7.93E-004	MD ALT PUMP FAILS TO RUN 1-CN-P-1C
1CNPAT-FS-1CNP1C	1.98E-003	MD ALT PUMP 1-CN-P-1C FAILS TO START
1CNPAT-TM-1CNP1C	3.75E-003	MD ALT PUMP 1-CN-P-1C SCHLD TST & MAINT.
1CNPAT-UM-1CNP1A	3.75E-003	UNSCHEDULED MAINTENANCE 1-CN-P-1A
1CNPAT-UM-1CNP1B	3.75E-003	UNSCHEDULED MAINTENANCE 1-CN-P-1B
1CNPAT-UM-1CNP1C	3.75E-003	MD ALT PUMP 1-CN-P-1C UNSCHLD MAINT.
1CNTNK-LF-1CNTK1	2.66E-006	TANK - INSUF WATER 1-CN-TK-1
1CNTNK-LF-1CNTK2	2.66E-006	TANK - INSUF WATER 1-CN-TK-2
1CNTNK-LU-1CNTK2	2.66E-006	INSUFFICIENT WATER IN 300000 GAL CST 1-CN-TK-2
1CWSCN-PL-1SWP-4	6.39E-004	1-SW-P-4 FAILS DUE TO SCREENWELL PLUGGING
1EE-BAT-I-2HR	1.00E+000	FAILURE OF BATTERY 1-I AT TWO HOURS
1EE-BAT-II-2HR	1.00E+000	FAILURE OF BATTERY 1-II AT TWO HOURS
1EE-BAT-III-2HR	1.00E+000	FAILURE OF BATTERY 1-III AT TWO HOURS
1EE-BAT-IV-2HR	1.00E+000	FAILURE OF BATTERY 1-IV AT TWO HOURS
1EEBAT-CC-ALL	1.05E-006	COMMON CAUSE FAULT BATTERIES FAIL TO SUPPLY POWER
1EEBAT-CC-I-III	1.05E-006	COMMON CAUSE FAULTS BATTERIES 1-BY-B-1 AND 1-BY-B-3
1EEBAT-LP-I	1.50E-005	BATTERY 1-I FAILS TO SUPPLY POWER 1-BY-B-1
1EEBAT-LP-II	1.50E-005	BATTERY 1-II FAILS TO SUPPLY POWER 1-BY-B-2
1EEBAT-LP-III	1.50E-005	BATTERY 1-III FAILS TO SUPPLY POWER 1-BY-B-3
1EEBAT-LP-IV	1.50E-005	BATTERY 1-IV FAILS TO SUPPLY POWER 1-BY-B-4
1EEBCH-LP-1C-I	8.40E-005	BATTERY CHARGER 1C-I FAILS 225 A 1-BY-C-3
1EEBCH-LP-1C-II	8.40E-005	BATTERY CHARGER 1C-II FAILS 225A 1-BY-C-6
1EEBCH-LP-I	8.40E-005	BATTERY CHARGER 1-I FAILS 225 A 1-BY-C-2
1EEBCH-LP-II	8.40E-005	BATTERY CHARGER 1-II FAILS 1-BY-C-4
1EEBCH-LP-III	8.40E-005	BATTERY CHARGER 1-III FAILS 225A 1-BY-C-5
1EEBCH-LP-IV	8.40E-005	BATTERY CHARGER 1-IV FAILS 1-BY-C-7
1EEBKR-FO-15H11	2.74E-004	BREAKER 15H11 FAILS OPEN, WILL NOT CLOSE 4160 V
1EEBKR-FO-15H2	2.74E-004	BREAKER 15H2 EDG OUTPUT BREAKER FAILS TO CLOSE

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1EEBKR-FO-15J1	2.74E-004	BREAKER 15J1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EEBKR-FO-15J11	2.74E-004	BREAKER 15J11 FAILS OPEN WILL NOT RECLOSE
1EEBKR-FO-15J2	2.74E-004	BREAKER 15J2 EDG OUTPUT BREAKER FAILS TO CLOSE
1EEBKR-FO-25H11	2.74E-004	BREAKER 25H11 FAILS OPEN, WILL NOT CLOSE 4160 V
1EEBKR-FO-1-12	2.74E-004	BREAKER 12 ON DC PANEL 1-1 FAILS TO CLOSE 125 V DC
1EEBKR-FO-11-11	2.74E-004	BREAKER 11 ON DC PANEL 1-11 FAILS TO CLOSE 125 V DC
1EEBKR-FO-111-10	2.74E-004	BREAKER 10 ON DC PANEL 1-111 FAILS TO CLOSE
1EEBKR-FO-1V-8	2.74E-004	BREAKER 8 ON DC PANEL 1-IV FAILS TO CLOSE
1EEBKR-SO-14H1	3.36E-005	BREAKER 14H1 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14H1-1	3.36E-005	BREAKER 14H1-1 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14H1-7	3.36E-005	BREAKER 14H1-7 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14H2	3.36E-005	BREAKER 14H2 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14H3	3.36E-005	BREAKER 14H3 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14H4	3.36E-005	BREAKER 14H4 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14H5	3.36E-005	BREAKER 14H5 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14J1	3.36E-005	BREAKER 14J1 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14J1-1	3.36E-005	BREAKER 14J1-1 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14J4	3.36E-005	BREAKER 14J4 SPURIOUSLY OPENS 480 V
1EEBKR-SO-14J5	3.36E-005	BREAKER 14J5 SPURIOUSLY OPENS
1EEBKR-SO-14J6	3.36E-005	BREAKER 14J6 SPURIOUSLY OPENS 480 V
1EEBKR-SO-15H11	3.36E-005	BREAKER 15H11 SPURIOUSLY OPENS 4160 V
1EEBKR-SO-15H12	3.36E-005	BREAKER 15H12 SPURIOUSLY OPENS 4160 V
1EEBKR-SO-15H2	8.39E-006	BREAKER 15H2 EDG OUTPUT BREAKER SPURIOUSLY OPENS
1EEBKR-SO-15H8	3.36E-005	BREAKER 15H8 SPURIOUSLY OPENS 4160 V
1EEBKR-SO-15J11	3.36E-005	BREAKER 15J11 SPURIOUSLY OPENS 4160 V
1EEBKR-SO-15J2	8.39E-006	BREAKER 15J2 SPURIOUSLY OPENS 4160 V
1EEBKR-SO-15J8	3.36E-005	BREAKER 15J8 SPURIOUSLY OPENS 4160 V
1EEBKR-SO-16A-17	3.36E-005	BREAKER 17 ON SEMI VITAL DIST 1A SPURIOUSLY OPENS
1EEBKR-SO-16B-17	3.36E-005	BREAKER 17 ON SEMI VITAL DIST 1B SPURIOUSLY OPENS
1EEBKR-SO-1A-26	3.36E-005	BREAKER 26 ON SEMI VITAL BUS 1A SPURIOUSLY OPENS
1EEBKR-SO-1B-25	3.36E-005	BREAKER 25 ON SEMI VITAL BUS 1B SPURIOUSLY OPENS
1EEBKR-SO-1C-26	3.36E-005	BREAKER 26 ON SEMI VITAL BUS 1C SPURIOUSLY OPENS
1EEBKR-SO-H1-H1R	3.36E-005	BREAKER H1R ON MCC 1H1-1 SPURIOUSLY OPENS
1EEBKR-SO-H3-A3	3.36E-005	BREAKER A3 ON MCC 1H1-3 SPURIOUSLY OPENS
1EEBKR-SO-H4-C1L	3.36E-005	BREAKER C1L ON MCC 1H1-4 SPURIOUSLY OPENS
1EEBKR-SO-H4-C1R	3.36E-005	BREAKER C1R ON MCC 1H1-4 SPURIOUSLY OPENS
1EEBKR-SO-H4-D1L	3.36E-005	BREAKER D1L ON MCC 1H1-4 SPURIOUSLY OPENS
1EEBKR-SO-H4-D1R	3.36E-005	BREAKER D1R ON MCC 1H1-4 SPURIOUSLY OPENS
1EEBKR-SO-H4-D2L	3.36E-005	BREAKER D2L ON MCC 1H1-4 SPURIOUSLY OPENS
1EEBKR-SO-H4-D2R	3.36E-005	BREAKER D2R ON MCC 1H1-4 SPURIOUSLY OPENS
1EEBKR-SO-1-11	3.36E-005	BREAKER 11 ON DC PANEL 1-1 SPURIOUSLY OPENS
1EEBKR-SO-1-13	3.36E-005	BREAKER 13 ON DC BUS 1-1 SPURIOUSLY OPENS
1EEBKR-SO-11-12	3.36E-005	BREAKER 12 ON DC PANEL 1-11 SPURIOUSLY OPENS
1EEBKR-SO-11-14	3.36E-005	BREAKER 14 ON DC BUS 1-11 SPURIOUSLY OPENS
1EEBKR-SO-111-11	3.36E-005	BREAKER 11 ON DC PANEL 1-111 SPURIOUSLY OPENS
1EEBKR-SO-1V-11	3.36E-005	BREAKER 11 ON DC BUS 1-IV SPURIOUSLY OPENS
1EEBKR-SO-1V-9	3.36E-005	BREAKER 9 ON DC PANEL 1-IV SPURIOUSLY OPENS
1EEBKR-SO-J1-B1L	3.36E-005	BREAKER B1L ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J1-B1R	3.36E-005	BREAKER B1R ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J1-C1L	3.36E-005	BREAKER C1L ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J1-E1L	3.36E-005	BREAKER E1L ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J1-E1R	3.36E-005	BREAKER E1R ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J1-F3L	3.36E-005	BREAKER F3L ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J1-F3R	3.36E-005	BREAKER F3R ON MCC 1J1-1 SPURIOUSLY OPENS
1EEBKR-SO-J3-B4	3.36E-005	BREAKER B4 ON MCC 1J1-3 SPURIOUSLY OPENS
1EEBKR-SO-VB1-35	3.36E-005	BREAKER 35 ON VITAL BUS 1-1 SPURIOUSLY OPENS
1EEBKR-SO-VB2-35	3.36E-005	BREAKER 35 ON VITAL BUS 1-11 SPURIOUSLY OPENS
1EEBKR-SO-VB3-12	3.36E-005	BREAKER 12 ON DC BUS 1-111 SPURIOUSLY OPENS
1EEBKR-SO-VB3-35	3.36E-005	BREAKER 35 ON VITAL BUS 1-111 SPURIOUSLY OPENS
1EEBKR-SO-VB4-35	3.36E-005	BREAKER 35 ON VITAL BUS 1-IV SPURIOUSLY OPENS
1EEBUS-LU-1H	1.21E-005	4160 V BUS 1H LOSS OF FUNCTION 1-EE-SW-1
1EEBUS-LU-1H-480	1.21E-005	480 V BUS 1H LOSS OF FUNCTION 1-EE-SS-1
1EEBUS-LU-1H1	1.21E-005	480 V BUS 1H1 LOSS OF FUNCTION 1-EE-SS-3

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1EEBUS-LU-1H1-1	1.21E-005	480 V MCC 1H1-1 LOSS OF FUNCTION 1-EP-MC-10
1EEBUS-LU-1H1-2N	1.21E-005	480 V MCC 1H1-2N LOSS OF FUNCTION 1-EP-MC-19
1EEBUS-LU-1H1-2S	1.21E-005	480 V MCC 1H1-2S LOSS OF FUNCTION 1-EP-MC-20
1EEBUS-LU-1H1-3	1.21E-005	480 V MCC 1H1-3 LOSS OF FUNCTION 1-EP-MC-32
1EEBUS-LU-1H1-3A	1.21E-005	480 V MCC 1H1-3A LOSS OF FUNCTION 1-EP-MC-50
1EEBUS-LU-1H1-4	1.21E-005	480 V MCC 1H1-4 LOSS OF FUNCTION 1-EP-CB-41
1EEBUS-LU-1HSTUB	1.21E-005	4160 V STUB BUS 1H LOSS OF FUNCTION 1-EE-SW-1
1EEBUS-LU-1J	1.21E-005	4160 V BUS 1J LOSS OF FUNCTION 1-EE-SW-2
1EEBUS-LU-1J-480	1.21E-005	480 V BUS 1J LOSS OF FUNCTION 1-EE-SS-2
1EEBUS-LU-1J1	1.21E-005	480 V BUS 1J1 LOSS OF FUNCTION 1-EE-SS-4
1EEBUS-LU-1J1-1	1.21E-005	480 V MCC 1J1-1 LOSS OF FUNCTION 1-EP-MC-11
1EEBUS-LU-1J1-2	1.21E-005	480V MCC 1J1-2N & 2S LOSS OF FUNCTION 1-EP-CB-21 & 22
1EEBUS-LU-1J1-3	1.21E-005	480 V MCC 1J1-3 LOSS OF FUNCTION 1-EP-MC-33
1EEBUS-LU-1J1-3A	1.21E-005	480 V MCC 1J1-3A LOSS OF FUNCTION 1-EP-MC-51
1EEBUS-LU-1JSTUB	1.21E-005	4160 V STUB BUS 1J LOSS OF FUNCTION 1-EE-SW-2
1EEBUS-LU-DB-1A	1.21E-005	SEMI VITAL DIST 1A LOSS OF FUNCTION 1-EP-DB-16A 120 V
1EEBUS-LU-DB-1B	1.21E-005	SEMI VITAL DIST 1B LOSS OF FUNCTION 1-EP-DB-16B 120 V
1EEBUS-LU-DC-1	1.21E-005	125 V DC BUS 1-1 LOSS OF FUNCTION 1-EP-CB-12A
1EEBUS-LU-DC-1I	1.21E-005	125 V DC BUS 1-1I LOSS OF FUNCTION 1-EP-CB-12B
1EEBUS-LU-DC-1II	1.21E-005	125 V DC BUS 1-1II LOSS OF FUNCTION 1-EP-CB-12C
1EEBUS-LU-DC-1V	1.21E-005	125 V DC BUS 1-1V LOSS OF FUNCTION 1-EP-CB-12D
1EEBUS-LU-SVB-1A	1.21E-005	SEMI VITAL BUS 1A LOSS OF FUNCTION 1-EP-CB-16A 120 V
1EEBUS-LU-SVB-1B	1.21E-005	SEMI VITAL BUS 1B LOSS OF FUNCTION 1-EP-CB-16B 120 V
1EEBUS-LU-SVB-1C	1.21E-005	SEMI VITAL BUS 1C LOSS OF FUNCTION 1-EP-CB-16C 120 V
1EEBUS-LU-VB-1	1.21E-005	120 V VITAL BUS 1-1 LOSS OF FUNCTION 1-EP-CB-4A
1EEBUS-LU-VB-1I	1.21E-005	120V VITAL BUS 1-1I LOSS OF FUNCTION 1-EP-CB-4B
1EEBUS-LU-VB-1II	1.21E-005	120 V VITAL BUS 1-1II LOSS OF FUNCTION 1-EP-CB-4C
1EEBUS-LU-VB-1V	1.21E-005	120V VITAL BUS 1-1V LOSS OF FUNCTION 1-EP-CB-4D
1EEBUS-UM-1H	1.00E-005	4160 V BUS 1H UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H-480	1.00E-005	480 V BUS 1H UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1	1.00E-005	480 V BUS 1H1 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1-1	1.00E-005	480 V MCC 1H1-1 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1-2N	2.00E-004	480 V MCC 1H1-2N UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1-2S	1.00E-005	480 V MCC 1H1-2S UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1-3	2.00E-004	480 V MCC 1H1-3 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1-3A	2.00E-004	480 V MCC 1H1-3A UNSCHEDULED MAINTENANCE
1EEBUS-UM-1H1-4	1.00E-005	480 V MCC 1H1-4 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1HSTUB	1.00E-005	4160 V STUB BUS 1H UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J	1.00E-005	4160 V BUS 1J UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J-480	1.00E-005	480 V BUS 1J UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J1	1.00E-005	480 V BUS 1J1 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J1-1	1.00E-005	480 V MCC 1J1-1 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J1-2	1.00E-005	480V MCC 1J1-2N & 2S UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J1-3	2.00E-004	480 V MCC 1J1-3 UNSCHEDULED MAINTENANCE
1EEBUS-UM-1J1-3A	2.00E-004	480 V MCC 1J1-3A UNSCHEDULED MAINTENANCE
1EEBUS-UM-1JSTUB	1.00E-005	4160 V STUB BUS 1J UNSCHEDULED MAINTENANCE
1EEBUS-UM-DB-1A	2.00E-004	SEMI VITAL DIST 1A UNSCHEDULED MAINTENANCE
1EEBUS-UM-DB-1B	2.00E-004	SEMI VITAL DIST 1B UNSCHEDULED MAINTENANCE
1EEBUS-UM-DC-1	2.00E-004	125 V DC BUS 1-1 UNSCHEDULED MAINTENANCE
1EEBUS-UM-DC-1I	2.00E-004	125 V DC BUS 1-1I UNSCHEDULED MAINTENANCE
1EEBUS-UM-DC-1II	2.00E-004	125 V DC BUS 1-1II UNSCHEDULED MAINTENANCE
1EEBUS-UM-DC-1V	2.00E-004	125 V DC BUS 1-1V UNSCHEDULED MAINTENANCE
1EEBUS-UM-SVB-1A	2.00E-004	SEMI VITAL BUS 1A UNSCHEDULED MAINTENANCE
1EEBUS-UM-SVB-1B	2.00E-004	SEMI VITAL BUS 1B UNSCHEDULED MAINTENANCE
1EEBUS-UM-SVB-1C	2.00E-004	SEMI VITAL BUS 1C UNSCHEDULED MAINTENANCE
1EEBUS-UM-VB-1	2.00E-004	120 V VITAL BUS 1-1 UNSCHEDULED MAINTENANCE
1EEBUS-UM-VB-1I	2.00E-004	120V VITAL BUS 1-1I UNSCHEDULED MAINTENANCE
1EEBUS-UM-VB-1II	2.00E-004	120 V VITAL BUS 1-1II UNSCHEDULED MAINTENANCE
1EEBUS-UM-VB-1V	2.00E-004	120V VITAL BUS 1-1V UNSCHEDULED MAINTENANCE
1EEHS--LF-1C	2.66E-005	HAND SWITCH FOR SEMI VITAL BUS 1C LOSS OF FUNCTION
1EEHS--LF-1	2.66E-005	HAND SWITCH FOR VITAL BUS 1-1 FAILS 1-VB-BP-SW-1
1EEHS--LF-1I	2.66E-005	HAND SWITCH FOR VITAL BUS 1-1I FAILS 1-VB-BP-SW-2
1EEHS--LF-1II	2.66E-005	HAND SWITCH FOR VITAL BUS 1-1II FAILS 1-VB-BP-SW-3

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1EENS--LF-IV	2.66E-005	HAND SWITCH FOR VITAL BUS 1-IV FAILS 1-VB-BP-SW-4
1EEINV-LU-I	6.14E-004	INVERTER 1-I LOSS OF FUNCTION 1-VB-I-1
1EEINV-LU-II	6.14E-004	INVERTER 1-II LOSS OF FUNCTION 1-VB-I-2
1EEINV-LU-III	6.14E-004	INVERTER 1-III LOSS OF FUNCTION 1-VB-I-3
1EEINV-LU-IV	6.14E-004	INVERTER 1-IV LOSS OF FUNCTION 1-VB-I-4
1EETFM-LP-118	1.90E-005	TRANSFORMER 118 SEMI VITAL DIST 1A 480-120/240V 15KVA
1EETFM-LP-119	1.90E-005	TRANSFORMER 119 SEMI VITAL DIST 1B 480-120/240V 15KVA
1EETFM-LP-1H	1.90E-005	TRANSFORMER 1H 4160/480 V FAILS 1-EE-ST-1H
1EETFM-LP-1H1	1.90E-005	TRANSFORMER 1H1 4160/480 V FAILS 1-EE-ST-1H1
1EETFM-LP-1J	1.90E-005	TRANSFORMER 1J 4160/480 V FAILS 1-EE-ST-1J
1EETFM-LP-1J1	1.90E-005	TRANSFORMER 1J1 4160/480 V FAILS 1-EE-ST-1J1
1EETFM-LP-70	1.90E-005	TRANSFORMER 70 SEMI VITAL BUS 1A 480-120/240V 15KVA
1EETFM-LP-71	1.90E-005	TRANSFORMER 71 SEMI VITAL BUS 1B 480-120/240V 15KVA
1EETFM-LP-79A	1.90E-005	TRANSFORMER 79A 480/120V 1PH FAILS 10KVA VOLT REG
1EETFM-LP-79B	1.90E-005	TRANSFORMER 79B 480/120V 1PH FAILS 10KVA VOLT REG
1EETFM-LP-80	1.90E-005	TRANSFORMER 80 480/120V 1PH FAILS 15KVA VOLT REGULATE
1EETFM-LP-93	1.90E-005	TRANSFORMER 93 SEMI VITAL BUS 1C 480/120-240V 10KVA
1EGEDG-CC-1H-1J	2.66E-004	COMMON CAUSE FAULTS EDGS 1H AND 1J
1EGEDG-CC-1H-2H	2.66E-004	COMMON CAUSE FAULTS EDGS 1H AND 2H
1EGEDG-CC-1H-2J	2.66E-004	COMMON CAUSE FAULTS EDGS 1H AND 2J
1EGEDG-CC-1H1J2H	9.58E-005	COMMON CAUSE FAULTS EDGS 1H, 1J AND 2H
1EGEDG-CC-1H1J2J	9.58E-005	COMMON CAUSE FAULTS EDGS 1H, 1J AND 2J
1EGEDG-CC-1H2H2J	9.58E-005	COMMON CAUSE FAULTS EDGS 1H, 2H AND 2J
1EGEDG-CC-1J-2H	2.66E-004	COMMON CAUSE FAULTS EDGS 1J AND 2H
1EGEDG-CC-1J-2J	2.66E-004	COMMON CAUSE FAULTS EDGS 1J AND 2J
1EGEDG-CC-1J2H2J	9.58E-005	COMMON CAUSE FAULTS EDGS 1J, 2H AND 2J
1EGEDG-CC-ALL	6.09E-005	COMMON CAUSE FAULTS ALL EDGS
1EGEDG-FR-1H	1.33E-002	EMERGENCY DIESEL GENERATOR 1H FAILS TO RUN FOR 6 HOURS
1EGEDG-FR-1J	1.33E-002	EMERGENCY DIESEL GENERATOR 1J FAILS TO RUN FOR 6 HOURS
1EGEDG-FR-AAC	1.33E-002	ALTERNATE AC DIESEL GENERATOR FAILS TO RUN
1EGEDG-FS-1H	1.43E-002	EMERGENCY DIESEL GENERATOR 1H FAILS TO START
1EGEDG-FS-1J	1.43E-002	EMERGENCY DIESEL GENERATOR 1J FAILS TO START
1EGEDG-FS-AAC	2.41E-002	ALTERNATE AC DIESEL GENERATOR FAILS TO START
1EGEDG-TM-1H	5.71E-004	EDG 1H UNAVAILABLE DUE TO SCHEDULED TEST OR MAINTENANCE
1EGEDG-TM-1J	5.71E-004	EDG 1J UNAVAILABLE DUE TO SCHEDULED TEST OR MAINTENANCE
1EGEDG-TM-AAC	1.00E-002	ALTERNATE AC DIESEL UNAVAIL DUE TO SCHED TEST OR MAINTENANCE
1EGEDG-UM-1H	1.78E-002	EDG 1H UNAVAILABLE DUE TO UNSCHEDULED MAINTENANCE
1EGEDG-UM-1J	1.78E-002	EDG 1J UNAVAILABLE DUE TO UNSCHEDULED MAINTENANCE
1EGEDG-UM-AAC	1.00E-002	ALTERNATE AC DIESEL UNAVAIL DUE TO UNSCHED MAINTENANCE
1EP-LOOP-24	3.12E-004	LOSS OF OFFSITE POWER WITHIN 24 HRS OF REACTOR TRIP
1EPBAT-LP-AAC-DG	1.50E-005	BATTERY FOR ALTERNATE AC DIESEL GENERATOR FAILS
1EPBKR-FC-15A2	1.83E-003	BREAKER 15A2 FAILS CLOSED, WILL NOT OPEN 4160 V
1EPBKR-FC-15B2	1.83E-003	BREAKER 15B2 FAILS CLOSED, WILL NOT OPEN 4160 V
1EPBKR-FC-15C2	1.83E-003	BREAKER 15C2 FAILS CLOSED, WILL NOT OPEN 4160 V
1EPBKR-FC-15F1	1.83E-003	BREAKER 15F1 FAILS CLOSED, WILL NOT OPEN 4160 V
1EPBKR-FC-G12	1.83E-003	BREAKER G12 FAILS CLOSED, WILL NOT REOPEN 22 KV
1EPBKR-FO-14A1-8	2.74E-004	BREAKER 14A1-8 FAILS OPEN, WILL NOT CLOSE 480 V
1EPBKR-FO-14B1-8	2.74E-004	BREAKER 14B1-8 FAILS OPEN, WILL NOT CLOSE 480 V
1EPBKR-FO-14C1-8	2.74E-004	BREAKER 14C1-8 FAILS OPEN, WILL NOT CLOSE 480 V
1EPBKR-FO-15A1	2.74E-004	BREAKER 15A1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15A2	2.74E-004	BREAKER 15A2 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15B1	2.74E-004	BREAKER 15B1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15B11	2.74E-004	BREAKER 15B11 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15B2	2.74E-004	BREAKER 15B2 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15C1	2.74E-004	BREAKER 15C1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15C2	2.74E-004	BREAKER 15C2 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15D3	2.74E-004	BREAKER 15D3 FAILS OPEN WILL NOT RECLOSE
1EPBKR-FO-15E3	2.74E-004	BREAKER 15E3 FAILS OPEN WILL NOT RECLOSE
1EPBKR-FO-15F3	2.74E-004	BREAKER 15F3 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15F4	2.74E-004	BREAKER 15F4 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-15H1	2.74E-004	BREAKER 15H1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-AAC11A	2.74E-004	BREAKER 1A ON AAC 1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-AAC11B	2.74E-004	BREAKER 1B ON AAC 1 FAILS OPEN, WILL NOT CLOSE 4160 V

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1EPBKR-FO-AAC12B	2.74E-004	BREAKER 2B ON AAC 1 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-AAC21A	2.74E-004	BREAKER 1A ON AAC 2 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-AAC3-1	2.74E-004	BREAKER 1 ON AAC #3 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-AAC3-4	2.74E-004	BREAKER 4 ON AAC #3 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-FO-AAC3-5	2.74E-004	BREAKER 5 ON AAC #3 FAILS OPEN, WILL NOT CLOSE 4160 V
1EPBKR-SO-142	3.36E-005	BREAKER 142 SPURIOUSLY OPENS 34.5 KV
1EPBKR-SO-14A1-1	3.36E-005	BREAKER 14A1-1 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14A215	3.36E-005	BREAKER 14A2-15 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14A3-1	3.36E-005	BREAKER 14A3-1 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14B1-1	3.36E-005	BREAKER 14B1-1 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14B215	3.36E-005	BREAKER 14B2-15 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14B3-1	3.36E-005	BREAKER 14B3-1 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14C1-1	3.36E-005	BREAKER 14C1-1 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14C215	3.36E-005	BREAKER 14C2-15 SPURIOUSLY OPENS 480 V
1EPBKR-SO-14G2-4	3.36E-005	BREAKER 14G2-4 SPURIOUSLY OPENS 480 V
1EPBKR-SO-15A1	3.36E-005	BREAKER 15A1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15A7	3.36E-005	BREAKER 15A7 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15A8	3.36E-005	BREAKER 15A8 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15B1	3.36E-005	BREAKER 15B1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15B10	3.36E-005	BREAKER 15B10 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15B7	3.36E-005	BREAKER 15B7 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15C1	3.36E-005	BREAKER 15C1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15C7	3.36E-005	BREAKER 15C7 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15D1	3.36E-005	BREAKER 15D1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15D3	3.36E-005	BREAKER 15D3 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15E1	3.36E-005	BREAKER 15E1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15E3	3.36E-005	BREAKER 15E3 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15F1	3.36E-005	BREAKER 15F1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15F3	3.36E-005	BREAKER 15F3 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15F4	3.36E-005	BREAKER 15F4 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15G1	3.36E-005	BREAKER 15G1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15G4	3.36E-005	BREAKER 15G4 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15G5	3.36E-005	BREAKER 15G5 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-15J12	3.36E-005	BREAKER 15J12 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-1G11A3	3.36E-005	BREAKER A3 ON 1G1-1 SPURIOUSLY OPENS 480 V
1EPBKR-SO-1G3-3B	3.36E-005	BREAKER 3B ON 1G3 SPURIOUSLY OPENS 480 V
1EPBKR-SO-242	3.36E-005	BREAKER 242 SPURIOUSLY OPENS 34.5 KV
1EPBKR-SO-332	3.36E-005	BREAKER 332 SPURIOUSLY OPENS 34.5 KV
1EPBKR-SO-AAC11A	3.36E-005	BREAKER 1A ON ACC 1 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-AAC21A	3.36E-005	BREAKER 1A ON AAC 2 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-AAC3-1	8.39E-006	BREAKER 1 ON AAC #3 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-AAC3-4	3.36E-005	BREAKER 4 ON AAC #3 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-AAC3-5	3.36E-005	BREAKER 5 ON AAC #3 SPURIOUSLY OPENS 4160 V
1EPBKR-SO-G102	3.36E-005	BREAKER G102 SPURIOUSLY OPENS 500 KV
1EPBKR-SO-G1TH5	3.36E-005	BREAKER G1TH5 SPURIOUSLY OPENS 500 KV
1EPBKR-SO-H502	3.36E-005	BREAKER H502 SPURIOUSLY OPENS 500 KV
1EPBKR-SO-L102	3.36E-005	BREAKER L102 SPURIOUSLY OPENS 34.5 KV
1EPBKR-SO-L202	3.36E-005	BREAKER L202 SPURIOUSLY OPENS 34.5 KV
1EPBUS-LU-1	1.21E-005	500 KV BUS #1 LOSS OF FUNCTION
1EPBUS-LU-1A	1.21E-005	4160 V BUS 1A LOSS OF FUNCTION 1-EP-SW-1
1EPBUS-LU-1A1	1.21E-005	480 V BUS 1A1 LOSS OF FUNCTION 1-EP-SS-3
1EPBUS-LU-1A2	1.21E-005	480 V BUS 1A2 LOSS OF FUNCTION 1-EP-SS-6
1EPBUS-LU-1A3	1.21E-005	480 V BUS 1A3 LOSS OF FUNCTION 1-EP-SS-10
1EPBUS-LU-1B	1.21E-005	4160 V BUS 1B LOSS OF FUNCTION 1-EP-SW-2
1EPBUS-LU-1B1	1.21E-005	480 V BUS 1B1 LOSS OF FUNCTION 1-EP-SS-5
1EPBUS-LU-1B2	1.21E-005	480 V BUS 1B2 LOSS OF FUNCTION 1-EP-SS-8
1EPBUS-LU-1B3	1.21E-005	480 V BUS 1B3 LOSS OF FUNCTION 1-EP-SS-9
1EPBUS-LU-1C	1.21E-005	4160 V BUS 1C LOSS OF FUNCTION 1-EP-SW-3
1EPBUS-LU-1C1	1.21E-005	480 V BUS 1C1 LOSS OF FUNCTION 1-EP-SS-7
1EPBUS-LU-1C2	1.21E-005	480 V BUS 1C2 LOSS OF FUNCTION 1-EP-SS-4
1EPBUS-LU-1D	1.21E-005	4160 V TRANSFER BUS 1D, 1-EP-SW-7 LOSS OF FUNCTION
1EPBUS-LU-1E	1.21E-005	4160 V TRANSFER BUS 1E, 1-EP-SW-8 LOSS OF FUNCTION
1EPBUS-LU-1F	1.21E-005	4160 V TRANSFER BUS 1F, 1-EP-SW-9 LOSS OF FUNCTION

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1EPBUS-LU-1G	1.21E-005	4160V INTAKE BUS 1G LOSS OF FUNCTION 1-EP-SW-4
1EPBUS-LU-1G1-1	1.21E-005	480 V MCC 1G1-1 LOSS OF FUNCTION 1-EP-MC-34 & 35
1EPBUS-LU-1G2	1.21E-005	480 V BUS 1G2 LOSS OF FUNCTION 1-EP-SS-11
1EPBUS-LU-1G3	1.21E-005	480 V BUS 1G3 LOSS OF FUNCTION 1-EP-SS-12
1EPBUS-LU-2	1.21E-005	500 KV BUS #2 LOSS OF FUNCTION
1EPBUS-LU-3	1.21E-005	34.5 KV BUS #3 LOSS OF FUNCTION
1EPBUS-LU-4	1.21E-005	34.5 KV BUS #4 LOSS OF FUNCTION
1EPBUS-LU-AAC-1	1.21E-005	4160 V AAC BUS #1 LOSS OF FUNCTION
1EPBUS-LU-AAC-2	1.21E-005	4160 V AAC BUS #2 LOSS OF FUNCTION
1EPBUS-LU-AAC-3	1.21E-005	4160 V AAC BUS #3 LOSS OF FUNCTION
1EPBUS-UM-1	2.00E-004	500 KV BUS #1 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1A1	2.00E-004	480 V BUS 1A1 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1A2	2.00E-004	480 V BUS 1A2 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1A3	2.00E-004	480 V BUS 1A3 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1B1	2.00E-004	480 V BUS 1B1 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1B2	2.00E-004	480 V BUS 1B2 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1B3	2.00E-004	480 V BUS 1B3 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1C1	2.00E-004	480 V BUS 1C1 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1C2	2.00E-004	480 V BUS 1C2 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1D	2.00E-004	4160 V TRANSFER BUS 1D UNSCHEDULED MAINTENANCE
1EPBUS-UM-1E	2.00E-004	4160 V TRANSFER BUS 1E UNSCHEDULED MAINTENANCE
1EPBUS-UM-1F	2.00E-004	4160 V TRANSFER BUS 1F UNSCHEDULED MAINTENANCE
1EPBUS-UM-1G1-1	2.00E-004	480 V MCC 1G1-1 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1G2	2.00E-004	480 V BUS 1G2 UNSCHEDULED MAINTENANCE
1EPBUS-UM-1G3	2.00E-004	480 V BUS 1G3 UNSCHEDULED MAINTENANCE
1EPBUS-UM-2	2.00E-004	500 KV BUS #2 UNSCHEDULED MAINTENANCE
1EPBUS-UM-3	2.00E-004	34.5 KV BUS #3 UNSCHEDULED MAINTENANCE
1EPBUS-UM-4	2.00E-004	34.5 KV BUS #4 UNSCHEDULED MAINTENANCE
1EPBUS-UM-AAC-1	2.00E-004	4160 V AAC BUS #1 UNSCHEDULED MAINTENANCE
1EPBUS-UM-AAC-2	2.00E-004	4160 V AAC BUS #2 UNSCHEDULED MAINTENANCE
1EPBUS-UM-AAC-3	2.00E-004	4160 V AAC BUS #3 UNSCHEDULED MAINTENANCE
1EPTFM-LP-1	1.90E-005	TRANSFORMER #1 FAILS TO SUPPLY PWR 500/34.5 KV
1EPTFM-LP-1A1	1.90E-005	TRANSFORMER 1A1 4160/480 V FAILS
1EPTFM-LP-1A2	1.90E-005	TRANSFORMER 1A2 4160/480 V FAILS
1EPTFM-LP-1A3	1.90E-005	TRANSFORMER 1A3 4160/480 V FAILS
1EPTFM-LP-1B1	1.90E-005	TRANSFORMER 1B1 4160/480 V FAILS
1EPTFM-LP-1B2	1.90E-005	TRANSFORMER 1B2 4160/480 V FAILS
1EPTFM-LP-1B3	1.90E-005	TRANSFORMER 1B3 4160/480 V FAILS
1EPTFM-LP-1C1	1.90E-005	TRANSFORMER 1C1 4160/480 V FAILS
1EPTFM-LP-1C2	1.90E-005	TRANSFORMER 1C2 4160/480 V FAILS
1EPTFM-LP-1G1-1	1.90E-005	TRANSFORMER 1G1-1 4160/480 V FAILS 1-EP-ST-1G1
1EPTFM-LP-1G2	1.90E-005	TRANSFORMER 1G2 4160/480 V FAILS 1-EP-ST-1G2
1EPTFM-LP-1G3	1.90E-005	TRANSFORMER 1G3 4160/480 V FAILS 1-EP-ST-1G3
1EPTFM-LP-2	1.90E-005	TRANSFORMER #2 FAILS TO SUPPLY PWR 500/34.5 KV
1EPTFM-LP-MAIN	1.90E-005	MAIN TRANSFORMER 500/22 KV FAILS
1EPTFM-LP-RSST-A	1.90E-005	RESERVE STATION SER TRANSFORMER A 34.5/4.16 KV FAILS
1EPTFM-LP-RSST-B	1.90E-005	RESERVE STATION SER TRANSFORMER B 34.5KV/4160V FAILS
1EPTFM-LP-RSST-C	1.90E-005	RESERVE STATION SER TRANSFORMER C 34.5KV/4160V FAILS
1EPTFM-LP-SST-1A	1.90E-005	STATION SERVICE TRANSFORMER 1A FAILS 22/4.16 KV
1EPTFM-LP-SST-1B	1.90E-005	STATION SERVICE TRANSFORMER 1B FAILS 22/4.16 KV
1EPTFM-LP-SST-1C	1.90E-005	STATION SERVICE TRANSFORMER 1C FAILS 22/4.16 KV
1FPDDP-FR-P2	1.90E-002	DIESEL DRIVEN PUMP FAILS TO RUN 1-FP-P-2
1FPDDP-FS-P2	2.05E-002	DIESEL DRIVEN PUMP FAILS TO START 1-FP-P-2
1FPMV--PG-1FP93	1.16E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FP-93
1FPPSB-FR-P1	7.93E-004	MD STNDBY PUMP FAILS TO RUN 1-FP-P-1
1FPPSB-FS-P1	3.93E-003	MD STNDBY PUMP FAILS TO START 1-FP-P-1
1FW-ACT-MFWP-A	2.66E-004	NO TRIP SIGNAL TO MFW PUMPS SI - TRAIN A
1FW-ACT-MFWP-B	2.66E-004	NO TRIP SIGNAL TO MFW PUMPS SI - TRAIN B
1FW-CONDHOTWELL	2.66E-006	INSUFFICIENT INVENTORY IN THE CONDENSER HOTWELLS
1FW-FIREMAIN	1.00E+000	INSUFFICIENT WATER MAKEUP FROM THE FIRE MAIN
1FW-SW-MAKEUP	1.00E+000	INSUFFICIENT WATER MAKEUP FROM SERVICE WATER SYSTEM
1FWBKR-FC-15A5	1.83E-003	BREAKER 15A5 FAILS CLOSED, WILL NOT OPEN
1FWBKR-FC-15A6	1.83E-003	BREAKER 15A6 FAILS CLOSED, WILL NOT OPEN

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1FWBKR-FC-15B5	1.83E-003	BREAKER 15B5 FAILS CLOSED, WILL NOT OPEN
1FWBKR-FC-15C5	1.83E-003	BREAKER 15C5 FAILS CLOSED, WILL NOT OPEN
1FWCKV-CC-125127	6.34E-005	CCF 2/2 FC CHECK VALVES 1-FW-125,-127
1FWCKV-CC-477911	6.34E-005	CCF 3/3 FC CHECK VALVES 1-FW-47,79,111
1FWCKV-CC-616379	6.34E-005	CCF 3/3 FC CHECK VALVES 1-FW-61,63,279
1FWCKV-CC-9395	6.34E-005	CCF 2/2 CHECK VALVES 1-FW-93,-95
1FWCKV-CC-ALLAFW	6.34E-005	COMMON CAUSE FAULT AFW PUMP & DISCH HEADER CKVS - FC
1FWCKV-FC-1FW1	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-1
1FWCKV-FC-1FW10	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-10
1FWCKV-FC-1FW100	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-100
1FWCKV-FC-1FW111	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-111
1FWCKV-FC-1FW125	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-125
1FWCKV-FC-1FW127	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-127
1FWCKV-FC-1FW132	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-132
1FWCKV-FC-1FW148	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-148
1FWCKV-FC-1FW165	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-165
1FWCKV-FC-1FW183	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-183
1FWCKV-FC-1FW19	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-19
1FWCKV-FC-1FW210	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-210
1FWCKV-FC-1FW279	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-279
1FWCKV-FC-1FW47	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-47
1FWCKV-FC-1FW61	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-61
1FWCKV-FC-1FW63	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-63
1FWCKV-FC-1FW68	6.34E-004	CHECK VALVE FAILS TO OPEN 1-FW-68
1FWCKV-FC-1FW79	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-79
1FWCKV-FC-1FW93	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-93
1FWCKV-FC-1FW95	6.34E-004	CHECK VALVE FAILS CLOSED 1-FW-95
1FWCKV-LEAKAGE	1.00E-005	UNDETECTED LKG THRU CKVS 68, 100 & 132 -STEAM BINDING
1FWFCV-CC-788898	1.81E-003	CCF 3/3 FC CCF - FW REG VALVES FCV-1478/1488/1498
1FWFCV-CC-798999	1.81E-003	CCF 3/3 FAILS CLOSED 1-FW-FCV-1479/89/99
1FWFCV-FC-1478	1.81E-002	FLOW CONTROL VALVE FAILS CLOSED 1-FW-FCV-1478
1FWFCV-FC-1479	1.81E-002	FLOW CONTROL VALVE FAILS CLOSED 1-FW-FCV-1479
1FWFCV-FC-1488	1.81E-002	FLOW CONTROL VALVE FAILS CLOSED 1-FW-FCV-1488
1FWFCV-FC-1489	1.81E-002	FLOW CONTROL VALVE FAILS CLOSED 1-FW-FCV-1489
1FWFCV-FC-1498	1.81E-002	FLOW CONTROL VALVE FAILS CLOSED 1-FW-FCV-1498
1FWFCV-FC-1499	1.81E-002	FLOW CONTROL VALVE FAILS CLOSED 1-FW-FCV-1499
1FWHCV-FC-100A	1.81E-002	AOV OP HAND CNT VLV FAILS CLOSED 1-FW-HCV-100A
1FWHCV-FC-100B	1.81E-002	AOV OP HAND CNT VLV FAILS CLOSED 1-FW-HCV-100B
1FWHCV-FO-100C	1.81E-002	AOV OP HAND CNT VLV FAILS OPEN 1-FW-HCV-100C
1FWHCV-PG-100C	1.37E-004	HAND CONTROLLED VLV TRSFR CLSD -PLUGGED 1-FW-HCV-100C
1FWHEP-1FW543	7.50E-004	CRO LEAVES 1-FW-P-2 RECIRC VALVE OPEN TO ECST, 1-FW-543
1FWHEP-1FW546	7.50E-004	CRO LEAVES FW-P-3B RECIRC VALVE OPEN TO ECST, 1-FW-546
1FWHEP-1FW548	7.50E-004	CRO LEAVES FW-P-3A RECIRC VALVE OPEN TO ECST, 1-FW-458
1FWHEP-HCV-100C	7.50E-004	AFW PUMP 3A NOT ALIGNED TO S/G C HCV HEADER HCV-100C
1FWHEP-MOV-100B	7.50E-004	AFW PUMP 3B NOT ALIGNED TO S/G B MOV HEADER MOV-100B
1FWHEP-MOV-100D	7.50E-004	AFW PUMP 2 NOT ALIGNED TO S/G A MOV HEADER MOV-100D
1FWLIC-CC-SGLEV	4.64E-004	2/3 SG NARROW RANGE LEVEL INST CHAN CCF QUARTERLY TEST INTR
1FWLIC-LF-1475	4.63E-003	LEVEL INST CHANNEL 1475 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1476	4.63E-003	LEVEL INST CHANNEL 1476 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1484	4.63E-003	LEVEL INST CHANNEL 1484 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1485	4.63E-003	LEVEL INST CHANNEL 1485 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1486	4.63E-003	LEVEL INST CHANNEL 1486 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1494	4.63E-003	LEVEL INST CHANNEL 1494 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1495	4.63E-003	LEVEL INST CHANNEL 1495 TO AMSAC FAILS DURING STANDBY
1FWLIC-LF-1496	4.63E-003	LEVEL INST CHANNEL 1496 TO AMSAC FAILS DURING STANDBY
1FWMOV-CC-150ABC	3.90E-004	CCF - 3/3 FC 1-FW-MOV-150A/B/C
1FWMOV-FC-100C	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-FW-MOV-100C
1FWMOV-FC-150A	1.09E-002	MOTOR OPERATED VALVE FAILS CLOSED 1-FW-MOV-150A
1FWMOV-FC-150B	1.09E-002	MOTOR OPERATED VALVE FAILS CLOSED 1-FW-MOV-150B
1FWMOV-FC-150C	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-FW-MOV-150C
1FWMOV-FO-154C	1.09E-002	MOTOR OPERTD VALVE FAILS OPEN 1-FW-MOV-154C
1FWMOV-PG-100A	1.37E-004	MOTOR OPERTD VALVE TRSFR CLSD -PLUGGED 1-FW-MOV-100A
1FWMOV-PG-100B	1.37E-004	MOTOR OPERTD VALVE TRSFR CLSD -PLUGGED 1-FW-MOV-100B



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1FWMV-PG-1000	1.37E-004	MOTOR OPERTD VALVE TRSFR CLSD -PLUGGED 1-FW-MOV-1000
1FWMV--CC-AFWMKU	1.25E-005	CCF - 3/3 MANUAL VALVES FAIL TO OPEN 1-FW-145,-162,-180
1FWMV--FC-1FW126	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-126
1FWMV--FC-1FW142	1.25E-004	MANUAL VALVE FAILS TO OPEN 1-FW-142
1FWMV--FC-1FW145	1.25E-004	MANUAL VALVE FAILS TO OPEN 1-FW-145
1FWMV--FC-1FW149	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-149
1FWMV--FC-1FW155	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-155
1FWMV--FC-1FW162	1.25E-004	MANUAL VALVE FAILS TO OPEN 1-FW-162
1FWMV--FC-1FW166	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-166
1FWMV--FC-1FW175	1.25E-004	MANUAL VALVE FAILS TO OPEN 1-FW-175
1FWMV--FC-1FW180	1.25E-004	MANUAL VALVE FAILS TO OPEN 1-FW-180
1FWMV--FC-1FW190	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-190
1FWMV--FC-1FW227	1.25E-004	MANUAL VALVE FAILS TO OPEN 1-FW-227
1FWMV--FC-1FW62	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-62
1FWMV--FC-1FW64	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-64
1FWMV--FC-1FW96	1.25E-004	MANUAL VALVE FAILS CLOSED 1-FW-96
1FWMV--FO-1FW128	1.25E-004	MANUAL VALVE FAILS OPEN 1-FW-128
1FWMV--PG-1FW112	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-112
1FWMV--PG-1FW113	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-113
1FWMV--PG-1FW128	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-128
1FWMV--PG-1FW143	4.65E-005	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-143
1FWMV--PG-1FW160	4.65E-005	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-160
1FWMV--PG-1FW172	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-172
1FWMV--PG-1FW173	4.65E-005	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-173
1FWMV--PG-1FW184	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-184
1FWMV--PG-1FW278	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-278
1FWMV--PG-1FW48	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-48
1FWMV--PG-1FW49	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-49
1FWMV--PG-1FW80	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-80
1FWMV--PG-1FW81	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-81
1FWMV--PG-1FW94	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-FW-94
1FWPAT-FR-1FWP1A	7.93E-004	MD ALT PUMP FAILS TO RUN 1-FW-P-1A
1FWPAT-FR-1FWP1B	7.93E-004	MD ALT PUMP FAILS TO RUN 1-FW-P-1B
1FWPAT-FR-1FWP1C	7.93E-004	MD ALT PUMP FAILS TO RUN 1-FW-P-1C
1FWPAT-FS-1FWP1A	1.98E-003	MD ALT PUMP FAILS TO START 1-FW-P-1A
1FWPAT-FS-1FWP1B	1.98E-003	MD ALT PUMP FAILS TO START 1-FW-P-1B
1FWPAT-FS-1FWP1C	1.98E-003	MD ALT PUMP FAILS TO START 1-FW-P-1C
1FWPAT-OIL1FWP1A	7.93E-004	MAIN FEED PUMP LUBE OIL SYS. FAILS 1-FW-P-1A
1FWPAT-OIL1FWP1B	7.93E-004	MAIN FEED PUMP LUBE OIL SYS. FAILS 1-FW-P-1B
1FWPAT-OIL1FWP1C	2.79E-003	MAIN FEED PUMP LUBE OIL SYS FAILED 1-FW-P-1C
1FWPAT-TM-1FWP1C	3.75E-003	MD ALT PUMP 1-FW-P-1C SCHLD TST & MAINT.
1FWPAT-UM-1FWP1C	3.75E-003	MD ALT PUMP 1-FW-P-1C UNSCHLD MAINT.
1FWPCV-CC-159AB	1.37E-005	CCF 2/2 FC 1-FW-PCV-159A & 1-FW-PCV-159B
1FWPCV-PG-159A	1.37E-004	PRESSURE CNTL VALVE TRSFR CLSD -PLUGGED 1-FW-PCV-159A
1FWPCV-PG-159B	1.37E-004	PRESSURE CNTL VALVE TRSFR CLSD -PLUGGED 1-FW-PCV-159B
1FWPSB-ACT2A	1.00E-007	NO SIGNAL FROM LO LO WATER LEVEL ON 2/3 SG - TRAIN A
1FWPSB-ACT2B	1.00E-007	NO SIGNAL FROM LO LO WATER LEVEL ON 2/3 SG - TRAIN B
1FWPSB-ACT3A	1.00E-007	NO SIGNAL FROM LO LO WATER LEVEL ON 1/3 SG - RPS(A)
1FWPSB-ACT3B	1.00E-007	NO SIGNAL FROM LO LO WATER LEVEL IN 1/3 SG - RPS(B)
1FWPSB-CC-MDP3AB	1.42E-004	CCF 2/2 FS MDP - COMMON CAUSE FAILURE
1FWPSB-FR-1HRP3A	3.30E-005	MD PUMP -STNDBY SYS FAILS TO RUN - 1 HR 1-FW-P-3A
1FWPSB-FR-1HRP3B	3.30E-005	MD PUMP -STNDBY SYS FAILS TO RUN - 1 HR 1-FW-P-3B
1FWPSB-FR-24HP3A	7.93E-004	MD PUMP -STNDBY SYS FAILS TO RUN -24 HR 1-FW-P-3A
1FWPSB-FR-24HP3B	7.93E-004	MD PUMP -STNDBY SYS FAILS TO RUN -24HR 1-FW-P-3B
1FWPSB-FS-1FWP3A	1.58E-003	MD PUMP -STNDBY SYS FAILS TO START 1-FW-P-3A
1FWPSB-FS-1FWP3B	1.58E-003	MD PUMP -STNDBY SYS FAILS TO START 1-FW-P-3B
1FWPSB-TM-1FWP3A	1.40E-003	MD PUMP -STDBY SYS SCHLD TEST&MAINTNCE 1-FW-P-3A
1FWPSB-TM-1FWP3B	1.40E-003	MD PUMP -STDBY SYS SCHLD TEST&MAINTNCE 1-FW-P-3B
1FWPSB-UM-1FWP3A	5.18E-003	MD STNDBY PUMP UNSCHDL MAINT. 1-FW-P-3A
1FWPSB-UM-1FWP3B	5.18E-003	MD STNDBY PUMP UNSCHDL MAINT. 1-FW-P-3B
1FWRLY-LF-1474	2.66E-004	AMSAC INPUT RELAY FROM LIC 1474 LOSS OF FUNCTION
1FWRLY-LF-1475	2.66E-004	AMSAC INPUT RELAY FROM LIC 1475 LOSS OF FUNCTION
1FWRLY-LF-1476	2.66E-004	AMSAC INPUT RELAY FROM LIC 1476 LOSS OF FUNCTION



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1FWRLY-LF-1484	2.66E-004	AMSAC INPUT RELAY FROM LIC 1484 LOSS OF FUNCTION
1FWRLY-LF-1485	2.66E-004	AMSAC INPUT RELAY FROM LIC 1485 LOSS OF FUNCTION
1FWRLY-LF-1486	2.66E-004	AMSAC INPUT RELAY FROM LIC 1486 LOSS OF FUNCTION
1FWRLY-LF-1494	2.66E-004	AMSAC INPUT RELAY FROM LIC 1494 LOSS OF FUNCTION
1FWRLY-LF-1495	2.66E-004	AMSAC INPUT RELAY FROM LIC 1495 LOSS OF FUNCTION
1FWRLY-LF-1496	2.66E-004	AMSAC INPUT RELAY FROM LIC 1496 LOSS OF FUNCTION
1FWRLY-LF-3-EA01	2.66E-004	RELAY 3-1FWEA01 FAILS CAUSING LOSS OF AFW P3A ACT.
1FWRLY-LF-3-EB01	2.66E-004	RELAY 3-1FWEB01 FAILS CAUSING LOSS OF AFW P3B ACT.
1FWRLY-LF-62EA01	2.66E-004	RELAY 62-1FWEA01 FAILS FAILING AUTO ACTUATION OF P3A
1FWRLY-LF-62EB01	2.66E-004	RELAY 62-1FWEB01 FAILS FAILING AUTO ACTUATION OF P3B
1FWTRB-FR-12HP2	5.74E-002	TURBINE DRIVEN PUMP FAILS TO RUN - 12HR 1-FW-P-2
1FWTRB-FR-1HRP2	4.92E-003	TURBINE DRIVEN PUMP FAILS TO RUN - 1HR 1-FW-P-2
1FWTRB-FR-24HP2	1.12E-001	TURBINE DRIVEN PUMP FAILS TO RUN -24HR 1-FW-P-2
1FWTRB-FS-1FWP2	1.85E-002	TURBINE DRIVEN PUMP FAILS TO START 1-FW-P-2
1FWTRB-TM-1FWP2	1.40E-003	TURBINE-DRIVEN PUMP SCHLD TST & MAINT. 1-FW-P-2
1FWTRB-UM-1FWP2	1.37E-002	TURBINE-DRIVEN PUMP UNSCHLD MAINT. 1-FW-P-2
1HVACU-LF-1HVAC6	3.42E-005	OPER AHU 1-HV-AC-6 LOSS OF FUNCTION IN 24 HR MISSION
1HVACU-LF-1HVAC7	2.09E-004	STDBY AHU 1-HV-AC-7 LOSS OF FUNCTION IN 24 HR MISSION
1HVACU-UM-1HVAC7	1.65E-003	STDBY AHU 1-HV-AC-7 UNSCHEDULED MAINTENANCE
1HVCHU-CC-HVE4	4.55E-003	COMMON CAUSE FAULT 1-HV-E-4B & 4C FAIL TO START
1HVCHU-FR-1HVE4A	1.51E-003	OPERATING 1-HV-E-4A FAILS TO RUN FOR 24 HOUR MISSION
1HVCHU-FR-1HVE4B	1.51E-003	SPARE 1-HV-E-4B FAILS TO RUN FOR 24 HOUR MISSION
1HVCHU-FR-1HVE4C	1.51E-003	STDBY 1- HV-E-4C FAILS TO RUN FOR 24 HOUR MISSION
1HVCHU-FS-1HVE4B	4.55E-002	SPARE CHILLER 1-HV-E-4B FAILS TO START
1HVCHU-FS-1HVE4C	4.55E-002	STANDBY CHILLER 1-HV-E-4C FAILS TO START
1HVCHU-UM-1HVE4B	9.44E-002	SPARE 1-HV-E-4B CHILLER TRAIN UNSCHED MAINTENANCE
1HVCHU-UM-1HVE4C	9.44E-002	STANDBY 1-HV-E-4C CHILLER TRAIN UNSCHED MAINTENANCE
1HVCHU-UM-HVE4BC	2.26E-003	1-HV-E-4B & 4C DUAL CHILLER TRAIN UNSCHED MAINTENANCE
1HVCKV-CC-182209	6.34E-005	COMMON CAUSE FAULT CKVS 1-CD-182 & 209 FAILS CLOSED
1HVFAN-FR-1FMO6	1.36E-004	OPER AHU 1-HV-AC-6 FAN MOTOR FAILS TO RUN 24 HR MISSION
1HVFAN-FR-1FMO7	1.36E-004	STDBY AHU 1-HV-AC-7 FAN MOTOR FAILS TO RUN 24 HR MISSION
1HVFAN-FS-1FMO7	3.93E-003	STDBY AHU 1-HV-AC-7 FAN MOTOR FAILS TO START
1HVMOD-FC-MOD138	1.09E-002	STDBY AHU 1-HV-AC-7 1-HV-MOD-138 FAILS CLOSED
1HVMOD-FO-MOD137	1.09E-002	AIR FLOW DIVERSION 1-HV-MOD-137 FAILS OPEN
1HVMOD-SC-MOD137	1.21E-005	OPER AHU 1-HV-AC-6 1-HV-MOD-137 SPURIOUS CLOSURE
1HVMOD-SC-MOD138	1.21E-005	STDBY AHU 1-HV-AC-7 1-HV-MOD-138 SPURIOUS CLOSURE
1HVMOV-CC-HV111	3.90E-004	COMMON CAUSE FAULT 1-HV-MOV-111B & 111C FAIL CLOSED
1HVMOV-CC-HV113	3.90E-004	COMMON CAUSE FAULT 1-HV-MOV-113B & 113C FAIL CLOSED
1HVMOV-FC-111B	1.09E-002	MOTOR OPERATD VALVE 1-HV-MOV-111B FAILS CLOSED
1HVMOV-FC-111C	1.09E-002	MOTOR OPERATD VALVE 1-HV-MOV-111C FAILS CLOSED
1HVMOV-FC-113B	1.09E-002	MOTOR OPERATD VALVE 1-HV-MOV-113B FAILS CLOSED
1HVMOV-FC-113C	1.09E-002	MOTOR OPERATD VALVE 1-HV-MOV-113C FAILS CLOSED
1HVMOV-SC-111A	1.21E-005	MOTOR OPERATD VALVE 1-HV-MOV-111A SPURIOUS CLOSURE
1HVMOV-SC-113A	1.21E-005	MOTOR OPERATD VALVE 1-HV-MOV-113A SPURIOUS CLOSURE
1HVPAT-CC-HVP20	1.98E-004	COMMON CAUSE FAULT 1-HV-P-20B & 20C FAIL TO START
1HVPAT-CC-HVP22	1.98E-004	COMMON CAUSE FAULT 1-HV-P-22B & 22C FAIL TO START
1HVPAT-FR-HVP20A	7.93E-004	MOTOR DRIVEN PUMP 1-HV-P-20A FAILS TO RUN 24 HOUR MISSION
1HVPAT-FR-HVP20B	7.93E-004	MOTOR DRIVEN PUMP 1-HV-P-20B FAILS TO RUN 24 HOUR MISSION
1HVPAT-FR-HVP20C	7.93E-004	MOTOR DRIVEN PUMP 1-HV-P-20C FAILS TO RUN 24 HOUR MISSION
1HVPAT-FR-HVP22A	7.93E-004	MOTOR DRIVEN PUMP 1-HV-P-22A FAILS TO RUN 24 HOUR MISSION
1HVPAT-FR-HVP22B	7.93E-004	MOTOR DRIVEN PUMP 1-HV-P-22B FAILS TO RUN 24 HOUR MISSION
1HVPAT-FR-HVP22C	7.93E-004	MOTOR DRIVEN PUMP 1-HV-P-22C FAILS TO RUN 24 HOUR MISSION
1HVPAT-FS-HVP20B	1.98E-003	MOTOR DRIVEN PUMP 1-HV-P-20B FAILS TO START
1HVPAT-FS-HVP20C	1.98E-003	MD ALT PUMP 1-HV-P-20C FAILS TO START
1HVPAT-FS-HVP22B	1.98E-003	MOTOR DRIVEN PUMP 1-HV-P-22B FAILS TO START
1HVPAT-FS-HVP22C	1.98E-003	MOTOR DRIVEN PUMP 1-HV-P-22C FAILS TO START
1HVPCV-CC-1235	1.81E-003	COMMON CAUSE FAULT 1-HV-PCV-1235B1 & 1235C1 FAIL CLOSED
1HVPCV-FC-1235B1	1.81E-002	PRESS CONTROL VALVE 1-HV-PCV-1235B-1 FAILS CLOSED
1HVPCV-FC-1235C1	1.81E-002	PRESS CONTROL VALVE 1-HV-PCV-1235C-1 FAILS CLOSED
1HVPCV-SC-1235A1	1.21E-005	PRESS CONTROL VALVE 1-HV-PCV-1235A-1 SPURIOUS CLOSURE
1HVPCV-SC-1235A2	1.21E-005	PRESS CONTROL VAVLE 1-HV-PCV-1235A-2 SPURIOUS CLOSURE
1HVPCV-SC-1235B1	1.21E-005	PRESS CONTROL VALVE 1-HV-PCV-1235B-1 SPURIOUS CLOSURE
1HVPCV-SC-1235B2	1.21E-005	PRESS CONTROL VALVE 1-HV-PCV-1235B-2 SPURIOUS CLOSURE

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1HVPCV-SC-1235C1	1.21E-005	PRESS CONTROL VALVE 1-HV-PCV-1235C-1 SPURIOUS CLOSURE
1HVPCV-SC-1235C2	1.21E-005	PRESS CONTROL VALVE 1-HV-PCV-1235C-2 SPURIOUS CLOSURE
1HVSTR-PG-1HVS1B	9.53E-003	SW STRAINER 1-HV-S-1B PLUGGED DURING STANDBY
1HVSTR-PL-1HVS1A	6.39E-004	SW STRAINER 1-HV-S-1A PLUGGED DURING MISSION
1HVSU--SO-1200	9.33E-005	RELIEF VALVE 1-HV-RV-1200 SPURIOUS OPENING
1HVSU--SO-1201	9.33E-005	RELIEF VALVE 1-HV-RV-1201 SPURIOUS OPENING
1HVSU--SO-1202A	9.33E-005	RELIEF VALVE 1-HV-RV-1202A SPURIOUS OPENING
1HVSU--SO-1202B	9.33E-005	RELIEF VALVE 1-HV-RV-1202B SPURIOUS OPENING
1HVSU--SO-1202C	9.33E-005	RELIEF VALVE 1-HV-RV-1202C SPURIOUS OPENING
1HVSU--SO-1205A	9.33E-005	RELIEF VALVE 1-HV-RV-1205A SPURIOUS OPENING
1HVSU--SO-1205B	9.33E-005	RELIEF VALVE 1-HV-RV-1205B SPURIOUS OPENING
1HVSU--SO-1205C	9.33E-005	RELIEF VALVE 1-HV-RV-1205C SPURIOUS OPENING
1HVTCV-FC-TCV167	1.81E-002	STDBY AHU 1-HV-AC-7 1-HV-TCV-167 FAILS CLOSED
1HVTCV-SC-TCV166	1.21E-005	OPER AHU 1-HV-AC-6 1-HV-TCV-166 SPURIOUS CLOSURE
1HVTCV-SC-TCV167	1.21E-005	STDBY AHU 1-HV-AC-7 1-HV-TCV-167 SPURIOUS CLOSURE
1IAIAS-LF-CONT1A	2.52E-004	CONTAINMENT INSTRUMENT AIR SYS LOSS OF FUNCTION
1IAIAS-LF-OUT1A	2.52E-004	OUTSIDE CONTAINMENT INSTRUMENT AIR SYS LOSS OF FUNCTION
1LMPIC-CC-100	4.64E-004	CCF 3/4 CONTAINMENT PRESSURE CHANNELS 1-LM-PT-100A,B,C,D
1MS-ACT-SGBDTV	2.66E-004	NO SIGNAL FROM AFW PUMPS OR FROM CONTAINMENT ISO.
1MS-ACT-TV101A	2.66E-004	NO TRIP SIGNAL TO MAIN STEAM TRIP VALVE
1MSAOV-CC-111AB	1.81E-003	CCF 2/2 FC ADV NC-FC 1-MS-TV-111A,-111B
1MSAOV-FC-TV101A	1.81E-002	AIR-OPERATED MSTV FAILS CLOSED 1-MS-TV-101A
1MSAOV-FC-TV101B	1.81E-002	AIR-OPERATED MSTV FAILS CLOSED 1-MS-TV-101B
1MSAOV-FC-TV101C	1.81E-002	AIR-OPERATED MSTV FAILS CLOSED 1-MS-TV-101C
1MSAOV-FC-TV111A	1.81E-002	AIR-OPERATED VALVE FAILS CLOSED 1-MS-TV-111A
1MSAOV-FC-TV111B	1.81E-002	AIR-OPERATED VALVE FAILS CLOSED 1-MS-TV-111B
1MSAOV-FO-TV101C	1.81E-002	AIR OPERATED VALVE FAILS OPEN 1-MS-TV-101C
1MSAOV-SC-TV101A	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE 1-MS-TV-101A
1MSAOV-SC-TV101B	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE 1-MS-TV-101B
1MSAOV-SC-TV101C	1.21E-005	AIR OPERATED VALVE SPURIOUS CLOSE 1-MS-TV-101C
1MSCKV-FC-1MS119	6.34E-004	CHECK VALVE FAILS TO OPEN 1-MS-119
1MSCKV-FC-1MS122	6.34E-004	CHECK VALVE FAILS TO OPEN 1-MS-122
1MSCKV-FC-1MS124	6.34E-004	CHECK VALVE FAILS TO OPEN 1-MS-124
1MSCKV-FO-1MS19	3.44E-003	CHECK VALVE FAILS OPEN 1-MS-19
1MSCKV-FO-1MS58	3.44E-003	CHECK VALVE FAILS OPEN 1-MS-58
1MSFIC-CC-MSFLOW	4.64E-004	MS FLOW CCF OF 2/3 FLOW INSTR CHANNEL 30 DAY TEST INTERVL
1MSFIC-LF-1474	4.63E-003	FLOW CHANNEL MS1474 LOSS OF FUNCTION (DURING STANDBY)
1MSFIC-LF-1475	4.63E-003	FLOW CHANNEL MS1475 LOSS OF FUNCTION (DURING STANDBY)
1MSFIC-LF-1484	4.63E-003	FLOW CHANNEL MS1484 LOSS OF FUNCTION (DURING STANDBY)
1MSFIC-LF-1485	4.63E-003	FLOW CHANNEL MS1485 LOSS OF FUNCTION (DURING STANDBY)
1MSFIC-LF-1494	4.63E-003	FLOW CHANNEL MS1494 LOSS OF FUNCTION (DURING STANDBY)
1MSFIC-LF-1495	4.63E-003	FLOW CHANNEL MS1495 LOSS OF FUNCTION (DURING STANDBY)
1MSHCV-SO-104	1.21E-005	HAND CONTROL VALVE SPURIOUS OPENING 1-MS-HCV-104
1MSMOV-FO-NRV101	1.09E-002	MOTOR OPERTD VALVE FAILS OPEN 1-MS-NRV-101C
1MSMV--FO-1MS20	1.25E-004	MANUAL VALVE FAILS OPEN 1-MS-20
1MSMV--FO-1MS95	1.25E-004	MANUAL VALVE FAILS OPEN 1-MS-95
1MSMV--FO-1MS97	1.25E-004	MANUAL VALVE FAILS OPEN 1-MS-97
1MSMV--LK-1MS168	1.00E-002	VALVE 1-MS-168 CLSD TO ISOLATE LEAKING STEAM DUMP VALVES
1MSMV--LK-1MS179	1.00E-002	VALVE 1-MS-179 CLSD TO ISOLATE LEAKING STEAM DUMP VALVES
1MSMV--LK-1MS21	4.00E-002	SG A PORV BLOCKED DUE TO LEAKAGE
1MSMV--LK-1MS59	4.00E-002	SG B PORV BLOCKED DUE TO LEAKAGE
1MSMV--LK-1MS97	4.00E-002	SG C PORV BLOCKED DUE TO LEAKAGE
1MSMV--PG-1MS168	9.12E-005	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-168
1MSMV--PG-1MS179	9.12E-005	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-179
1MSMV--PG-1MS18	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-18
1MSMV--PG-1MS268	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-268
1MSMV--PG-1MS269	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-269
1MSMV--PG-1MS270	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-270
1MSMV--PG-1MS271	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-271
1MSMV--PG-1MS57	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-57
1MSMV--PG-1MS95	1.37E-004	N.O. MANUAL VALVE PLUGGED DURING STBY 1-MS-95
1MSPIC-CC-MSLP	4.64E-004	CCF OF 2/3 MS LOW PRESS INSTR CHANNEL 30 DAY TEST INTERVL
1MSPIC-CC-STMDPR	4.64E-004	CCF OF STEAM DIFF PRESS INST CHANNELS 30 DAY TEST INTERVL

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1MSPIC-LF-1446	8.02E-002	TURBINE 1ST STAGE PIC LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1447	8.02E-002	TURBINE FIRST STAGE PIC LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1474A	4.63E-003	PRESS CHANN. MS- 1474A LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1474B	4.63E-003	PRESSURE CHANNEL 1474B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1475B	4.63E-003	PRESSURE CHANNEL 1475B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1476B	4.63E-003	PRESSURE CHANNEL 1476B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1484B	4.63E-003	PRESSURE CHANNEL 1484B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1485A	4.63E-003	PRESS INST CHANN MS 1485A LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1485B	4.63E-003	PRESSURE CHANNEL 1485B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1486B	4.63E-003	PRESSURE CHANNEL 1486B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1494B	4.63E-003	PRESSURE CHANNEL 1494B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1495B	4.63E-003	PRESSURE CHANNEL 1495B LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1496A	4.63E-003	PRESS INST CHANN MS 1496A LOSS OF FNCH DURING STANDBY
1MSPIC-LF-1496B	4.63E-003	PRESSURE CHANNEL 1496B LOSS OF FNCH DURING STANDBY
1MSPORV-DMDT7	1.00E+000	PROBABILITY OF SG PORV DEMAND DURING A SGTR
1MSRLY-LF-1446	2.66E-004	TURB 1ST STAGE PRES PROT CHANN. III OUTPUT RELAY FAILS
1MSRLY-LF-1447	2.66E-004	TURB 1ST STAGE PRES PROT CHAN IV OUTPUT RELAY FAILS
1MSRLY-LF-X-SA07	2.66E-004	RELAY X-1MSSA07 FAILS CAUSING LOSS OF SOV-111A ACT.
1MSRLY-LF-X-SB07	2.66E-004	RELAY X-1MSSB07 FAILS CAUSING LOSS OF SOV-111B ACT.
1MSRV--CC-101ABC	9.99E-004	CCF 3/3 FC CCF - SG PORV - FC 1-MS-PCV-101A/B/C
1MSRV--FC-101A	9.99E-003	PWR OP RELIEF VALVE FAILS CLOSED 1-MS-PCV-101A
1MSRV--FC-101B	9.99E-003	PWR OP RELIEF VALVE FAILS CLOSED 1-MS-PCV-101B
1MSRV--FC-101C	9.99E-003	PWR OP RELIEF VALVE FAILS CLOSED 1-MS-PCV-101C
1MSRV--FO-101C	2.50E-002	PWR OP RELIEF VALVE FAILS OPEN 1-MS-PCV-101C
1MSSRV-DMDT7	4.00E-002	PROBABILITY OF DEMAND ON THE SRVs DURING A SGTR
1MSSV--FO-101C	1.25E-002	SAFETY VALVE FAILS OPEN 1-MS-SV-101C
1MSTCV-CC-1408AB	1.81E-003	CCF 2/2 FTO STEAM DUMP VALVES 1-MS-TCV-1408A/B
1MSTCV-FC-1408A	1.81E-002	TEMP CONTROL VALVE FAILS CLOSED 1-MS-TCV-1408A
1MSTCV-FC-1408B	1.81E-002	TEMP CONTROL VALVE FAILS CLOSED 1-MS-TCV-1408B
1QSCKV-CC-V19-11	6.34E-005	CCF 2/2 FC OF WEIGHTED CHECK VALVES
1QSCKV-FC-1QS-11	6.34E-004	CHECK VALVE 1-QS-11 FAILS CLOSED (FAILS TO OPEN)
1QSCKV-FC-1QS-19	6.34E-004	CHECK VALVE 1-QS-19 FAILS CLOSED (FAILS TO OPEN)
1QSHEP-1QS21	7.50E-004	CRO LEAVES 1-QS-21 RECIRC VALVE OPEN AFTER 1-PT-63.1B
1QSHEP-1QS5	7.50E-004	CRO LEAVES 1-QS-5 RECIRC VALVE OPEN AFTER 1-PT-63.1A
1QSHEP-FLANGE	3.75E-004	QS SPRAY HEADER FLANGE NOT REMOVED AFTER 1-PT-63.3
1QSLEV-TM-RWSTA	1.40E-003	RWST LEVEL PROT TRAIN A IN TEST
1QSLEV-TM-RWSTB	1.40E-003	RWST LEVEL PROTECT. TRAIN B IN TEST
1QSLIC-LF-100A	4.63E-003	LEVEL CHANNEL LT-QS100A FAILS DURING STANDBY
1QSLIC-LF-100B	4.63E-003	LEVEL CHANNEL LT-QS100B FAILS DURING STANDBY
1QSLIC-LF-100C	4.63E-003	LEVEL CHANNEL LT-QS100C FAILS DURING STANDBY
1QSLIC-LF-100D	4.63E-003	LEVEL CHANNEL LT-QS100D FAILS DURING STANDBY
1QSMOV-CC-101A-B	3.90E-004	CCF 2/2 FC OF PUMP DISCHARGE MOVs
1QSMOV-FC-101A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1QSMOV-FC-101B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1QSMOV-PG-QS100A	1.35E-004	MOTOR OPERTD VALVE MOV-100A PLUGGED DURING STANDBY
1QSMOV-PG-QS100B	1.35E-004	MOTOR OPERTD VALVE MOV-100B PLUGGED DURING STANDBY
1QSMV--PG-1-QS-1	1.35E-004	N.O. MANUAL VALVE 1-QS-1 PLUGGED DURING STANDBY
1QSMV--PG-1QS-12	1.35E-004	N.O. MANUAL VALVE 1-QS-12 PLUGGED DURING STANDBY
1QSMV--PG-1QS38	6.75E-005	N.O. MANUAL VALVE QS-38 PLUGGED DURING STANDBY
1QSPSB-CC-P1A-1B	3.93E-004	CCF 2/2 FS OF QS PUMPS
1QSPSB-FR-1QSP1A	6.61E-005	MD STNDBY PUMP 1-QS-P-1A FAILS TO RUN
1QSPSB-FR-1QSP1B	6.61E-005	MD STNDBY PUMP 1-QS-P-1B FAILS TO RUN
1QSPSB-FS-1QSP1A	3.93E-003	MD STNDBY PUMP 1-QS-P-1A FAILS TO START
1QSPSB-FS-1QSP1B	3.93E-003	MD STNDBY PUMP 1-QS-P-1B FAILS TO START
1QSPSB-TM-1QSP1A	3.75E-003	MD STNDBY PUMP 1-QS-P-1A SCHLD TST & MAINT.
1QSPSB-TM-1QSP1B	3.75E-003	MD STNDBY PUMP 1-QS-P-1B SCHLD TST & MAINT.
1QSPSB-UM-1QSP1A	3.75E-003	MD STNDBY PUMP 1-QS-P-1A UNSCHDL MAINT.
1QSPSB-UM-1QSP1B	3.75E-003	MD STNDBY PUMP 1-QS-P-1B UNSCHDL MAINT.
1QSRLY-LF-512A	2.66E-004	MASTER RELAY K512 TRAIN A LOSS OF FUNCTION
1QSRLY-LF-512B	2.66E-004	MASTER RELAY K512 TRAIN B LOSS OF FUNCTION
1QSRLY-LF-K104A	2.66E-004	RELAY K104 TRAIN A LOSS OF FUNCTION
1QSRLY-LF-K104B	2.66E-004	RELAY K104 TRAIN B LOSS OF FUNCTION
1QSRLY-LF-K205A	2.66E-004	RELAY K205 TRAIN A LOSS OF FUNCTION

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1QSRLY-LF-K205B	2.66E-004	RELAY K205 TRAIN B LOSS OF FUNCTION
1QSRLY-LF-K301A	2.66E-004	RELAY K301 TRAIN A LOSS OF FUNCTION
1QSRLY-LF-K301B	2.66E-004	RELAY K301 TRAIN B LOSS OF FUNCTION
1QSRLY-LF-K401A	2.66E-004	RELAY K401 TRAIN A LOSS OF FUNCTION
1QSRLY-LF-K401B	2.66E-004	RELAY K401 TRAIN B LOSS OF FUNCTION
1QSRLY-LF-K630A	2.66E-004	RECIRC MODE TRANS OUTPUT RELAY K630 TRAIN A FAILS
1QSRLY-LF-K630B	2.66E-004	RECIRC MODE TRANS OUTPUT RELAY K630 TRAIN B FAILS
1QSRLY-LF-K647A	2.66E-004	RECIRC MODE TRANSF. SI PERMISSIVE RELAY K647 FAILS TRAIN A
1QSRLY-LF-K647B	2.66E-004	RECIRC MODE TRANSF. SI PERMISSIVE RELAY K647 FAILS TRAIN B
1QSSTR-PG-1FL1A	2.82E-002	STRAINER 1-QS-FL-1A PLUGGED DRNG STNDBY
1QSSTR-PG-1FL1B	2.82E-002	STRAINER 1-QS-FL-1B PLUGGED DRNG STNDBY
1QSTNK-LF-1QSTK	2.66E-006	PLUGGING OF THE RWST VENT
1RCMOV-CC-535536	3.90E-004	CCF 2/2 FC CCF - MOV FC 1-RC-MOV-1535&-1536
1RCMOV-FC-1535	1.09E-002	MOTOR OPRTD VALVE FAILS CLOSED 1-RC-MOV-1535
1RCMOV-FC-1536	1.09E-002	MOTOR OPRTD VALVE FAILS CLOSED 1-RC-MOV-1536
1RCMOV-FO-1535	1.09E-002	MOTOR OPRTD VALVE FAILS OPEN 1-RC-MOV-1535
1RCMOV-FO-1536	1.09E-002	MOTOR OPRTD VALVE FAILS OPEN 1-RC-MOV-1536
1RCMOV-LK-1535	2.50E-002	BLOCK VALVE SHUT DUE TO LEAKING PORV 1-RC-MOV-1535
1RCMOV-LK-1536	2.50E-002	BLOCK VALVE SHUT DUE TO LEAKING PORV 1-RC-MOV-1536
1RCMOV-LK-535536	0.00E+000	MOVS 1535 & 1536 CLOSED AT THE SAME TIME
1RCPAT-FR-1RCP1A	7.93E-004	MD ALT PUMP FAILS TO RUN 1-RC-P-1A
1RCPAT-FR-1RCP1C	7.93E-004	MD ALT PUMP FAILS TO RUN 1-RC-P-1C
1RCPCV-CC-1455AB	1.81E-003	CCF 2/2 FC CCF -PCV-FC 1-RC-PCV-1455A/B
1RCPCV-FC-1455A	1.81E-002	PRES CONTROL VALVE FAILS CLOSED - 24HR 1-RC-PCV-1455A
1RCPCV-FC-1455B	1.81E-002	PRES CONTROL VALVE FAILS CLOSED - 24HR 1-RC-PCV-1455B
1RCPIC-CC-PRS2RP	4.64E-004	PRESSRZER PRESS INSTR CHANNEL CCF 30 DAY TEST INTERVL
1RCPIC-LF-1455B	4.63E-003	PRESSURE CHANNEL 1455B LOSS OF FNCN DURING STNDBY
1RCPIC-LF-1456B	4.63E-003	PRESSURE CHANNEL 1456B LOSS OF FNCN DURING STNDBY
1RCPIC-LF-1457B	4.63E-003	PRESSURE CHANNEL 1457B LOSS OF FNCN DURING STNDBY
1RCPIC-LF-PC402	4.12E-002	PRESSURE CHANNEL PT1402 LOSS OF FNCN DURING STNDBY
1RCPIC-LF-PC403	4.12E-002	PRESSURE CHANNEL PT1403 LOSS OF FNCN DURING STNDBY
1RCPORV-DMDATWS	1.00E+000	PROBABILITY OF PORV DEMAND DURING AN ATWS
1RCPORV-DMDSBO	2.00E-001	PROBABILITY OF PORV DEMAND DURING A SBO
1RCPORV-T3	6.65E-003	PROBABILITY OF PORV DEMAND DURING A TRANSIENT
1RCRV--CC-RCPORV	9.99E-004	CCF 2/2 FC CCF - RCS PORVS FC 1-RC-PCV-1455C&1456
1RCRV--FC-1455C	9.99E-003	PWR OP RELIEF VALVE FAILS CLOSED 1-RC-PCV-1455C
1RCRV--FC-1456	9.99E-003	PWR OP RELIEF VALVE FAILS CLOSED 1-RC-PCV-1456
1RCRV--FO-1455C	2.50E-002	PWR OP RELIEF VALVE FAILS OPEN 1-RC-PCV-1455C
1RCRV--FO-1456	2.50E-002	PWR OP RELIEF VALVE FAILS OPEN 1-RC-PCV-1456
1RCSRV-DMDATWS	1.00E+000	PROBABILITY OF ALL 3 SRVS DEMANDED DURING AN ATWS
1RCSV--CC-1551	1.25E-006	CCF 3/3 FC CCF - PCS SVS FTO 1-RC-SV-1551A/B/C
1RCSV--FC-1551A	1.25E-005	SAFETY VALVE FAILS CLOSED 1-RC-SV-1551A
1RCSV--FC-1551B	1.25E-005	SAFETY VALVE FAILS CLOSED 1-RC-SV-1551B
1RCSV--FC-1551C	1.25E-005	SAFETY VALVE FAILS CLOSED 1-RC-SV-1551C
1RCSV--FO-1551A	1.25E-002	SAFETY VALVE FAILS OPEN 1-RC-SV-1551A
1RCSV--FO-1551B	1.25E-002	SAFETY VALVE FAILS OPEN 1-RC-SV-1551B
1RCSV--FO-1551C	1.25E-002	SAFETY VALVE FAILS OPEN 1-RC-SV-1551C
1RCTIC-CC-TAVG	3.36E-003	TAVG TIC CCF LF TEMP INSTR CHANNEL 30 DAY TEST INTERVL
1RCTIC-LF-1412E	3.28E-002	TEMPERATURE CHANNEL 1412E LOSS OF FNCN DRNG STNDBY
1RCTIC-LF-1422E	3.28E-002	TEMPERATURE CHANNEL 1422E LOSS OF FNCN DRNG STNDBY
1RCTIC-LF-1432E	3.28E-002	TEMPERATURE CHANNEL 1432E LOSS OF FNCN DRNG STNDBY
1RHCKV-CC-1RH715	6.34E-005	CCF 2/2 FC BOTH CKVS FAIL CLOSED 1-RH-7 & 15
1RHCKV-FC-1RH15	6.34E-004	CHECK VALVE RH-15 FAILS CLOSED (FAILS TO OPEN)
1RHCKV-FC-1RH7	6.34E-004	CHECK VALVE RH-7 FAILS CLOSED (FAILS TO OPEN)
1RHCKV-FO-1RH15	3.44E-003	CHECK VALVE RH-15 FAILS OPEN (FAILS TO CLOSE)
1RHCKV-FO-1RH7	3.44E-003	CHECK VALVE RH-7 FAILS OPEN (FAILS TO CLOSE)
1RHFV-SC-1605	1.21E-005	FLOW CONTROL VALVE 1-RH-FCV-1605 SPURIOUS OPENS
1RHFEL-PG-1605	4.10E-004	FLOW ELEMENT 1-RH-FE-1605 PLUGGED DURING STBY
1RHHCV-FC-1758	1.81E-002	1-RH-HCV-1758 FAILS CLOSED (AOV)
1RHHEX-LF-1RHE1A	2.81E-002	HEAT EXCHANGER 1-RH-E-1A LOSS OF FUNCTION
1RHHEX-LF-1RHE1B	2.81E-002	RHR HEAT EXCHANGER 1-RH-E-1B LOSS OF FUNCTION
1RHHEX-LF-1RHE2A	2.81E-002	RH PUMP SEAL COOLER 1-RH-E-2A LOSS OF FUNCTION
1RHHEX-LF-1RHE2B	2.81E-002	RH PUMP SEAL COOLER 1-RH-E-2B LOSS OF FUNCTION

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1RHMOV-CC-1720	3.90E-004	CCF 2/2 FC BOTH RH DISCHARGE MOVs 1720A & 1720B
1RHMOV-FC-1700	1.09E-002	MOTOR OPERTD VALVE 1-RH-MOV-1700 FAILS CLOSED
1RHMOV-FC-1701	1.09E-002	MOTOR OPERTD VALVE 1-RH-MOV-1701 FAILS CLOSED
1RHMOV-FC-1720A	1.09E-002	MOTOR OPERTD VALVE 1-RH-MOV-1720A FAILS CLOSED
1RHMOV-FC-1720B	1.09E-002	MOTOR OPERTD VALVE 1-RH-MOV-1720B FAILS CLOSED
1RHMV--FC-1RH25	1.25E-004	MANUAL VALVE RH-25 FAILS CLOSED (FAILS TO OPN)
1RHMV--PG-1RH1	4.10E-004	N.O. MANUAL VALVE RH-1 PLUGGED DURING STANDBY
1RHMV--PG-1RH16	4.10E-004	N.O. MANUAL VALVE RH-16 PLUGGED DURING STANDBY
1RHMV--PG-1RH19	4.10E-004	GATE VALVE 1-RH-19 PLUGGED DURING STANDBY
1RHMV--PG-1RH24	4.10E-004	N.O. MANUAL VALVE RH-24 PLUGGED DURING STANDBY
1RHMV--PG-1RH30	4.10E-004	N.O. MANUAL VALVE RH-30 PLUGGED DURING STANDBY
1RHMV--PG-1RH8	4.10E-004	N.O. MANUAL VALVE RH-8 PLUGGED DURING STANDBY
1RHMV--PG-1RH9	4.10E-004	N.O. MANUAL VALVE RH-9 PLUGGED DURING STANDBY
1RHPSB-CC-1RHP1	3.93E-004	CCF 2/2 FS OF BOTH RH PUMPS 1-RH-P-1A & 1B
1RHPSB-FR-1RHP1A	7.93E-004	STANDBY PUMP 1-RH-P-1A FAILS TO RUN 24 HOURS
1RHPSB-FR-1RHP1B	7.93E-004	STANDBY PUMP 1-RH-P-1B FAILS TO RUN 24 HOURS
1RHPSB-FS-1RHP1A	3.93E-003	STANDBY PUMP 1-RH-P-1A FAILS TO START
1RHPSB-FS-1RHP1B	3.93E-003	STANDBY PUMP 1-RH-P-1B FAILS TO START
1RHPSB-UM-1RHP1A	3.75E-003	STANDBY PUMP 1-RH-P-1A UNSCHED. MAINTENANCE
1RHPSB-UM-1RHP1B	3.75E-003	STANDBY PUMP 1-RH-P-1B UNSCHED. MAINTENANCE
1RHSV--SO-1721A	9.33E-005	RELIEF VALVE 1-RH-RV-1721A SPURIOUSLY OPENS
1RHSV--SO-1721B	9.33E-005	RELIEF VALVE 1-RH-RV-1721B SPURIOUSLY OPENS
1RPBKR-CC-MGAMGB	1.83E-004	COM CAUSE FAILURES 2/2 ROD DRIVE MG SET SUPP BREAKERS
1RPBKR-CC-RTARTB	1.30E-005	COMMON CAUSE FAILURE 2/2 REACTOR TRIP BREAKERS
1RPBKR-LF-MGA	1.83E-003	ROD DRIVE MG SET SUPP. BREAKERS FAIL TO OPEN
1RPBKR-LF-MGB	1.83E-003	ROD DRIVE MG SET SUPP. BREAKER FAIL TO TRIP
1RPBKR-LF-RTA	3.38E-004	REACTOR TRIP BREAKER RTA FAILS TO OPEN
1RPBKR-LF-RTB	3.38E-004	REACTOR TRIP BREAKER RTB FAILS TO OPEN
1RPROD-LF-CRODS	1.80E-006	CONTROL RODS FAIL TO INSERT DUE TO MECHANICAL BINDING
1RPRPS-LF-INPUT	1.40E-006	NO INPUT SIGNAL FROM REACTOR TRIP PROTECTION
1RSCKV-FC-1RS18	6.34E-004	CHECK VALVE 1-RS-18 FAILS CLOSED (FAILS TO OPEN)
1RSCKV-FC-1RS27	6.34E-004	CHECK VALVE 1-RS-27 FAILS CLOSED (FAILS TO OPEN)
1RSCKV-FC-RS-123	6.34E-004	CHECK VALVE RS-123 FAILS CLOSED (FAILS TO OPEN)
1RSCKV-FC-RS-138	6.34E-004	CHECK VALVE RS-138 FAILS CLOSED (FAILS TO OPEN)
1RSFIC-LF-RS104A	1.38E-002	FLOW SWITCH FAILS - CLOSSES 1-RS-MOV-101A
1RSFIC-LF-RS104B	1.38E-002	FLOW SWITCH FAILS - CLOSSES 1-RS-MOV-101B
1RSHEP-1RS12	7.50E-004	CRO LEAVES RS-P-2A RECIRC VALVES OPEN 1-RS-12 & 1-RS-95
1RSHEP-1RS22	7.50E-004	CRO LEAVES RS-P-2B RECIRC VALVES OPEN 1-RS-22 & 1-RS-96
1RSHEP-ELBOW	3.75E-004	RS SPRAY HEADER ELBOW NOT INSTALLED AFTER 1-PT-64.8
1RSHEP-FLANGE	3.75E-004	RS SPRAY HEADER FLANGE NOT REMOVED AFTER 1-PT-64.3
1RSHEP-MOV-155A	7.50E-004	CRO LEAVES MOV-155A OR MOV-156A CLOSED OR DEENERGIZED
1RSHEP-MOV-155B	7.50E-004	CRO LEAVES MOV-155B OR MOV-156B CLOSED OR DEENERGIZED
1RSHEX-LU-1RSE1A	2.09E-004	HEAT EXCHANGER LOSS OF FCN-STANDBY 1-RS-E-1A
1RSHEX-LU-1RSE1B	2.09E-004	HEAT EXCHANGER LOSS OF FCN-STANDBY 1-RS-E-1B
1RSHEX-LU-1RSE1C	2.09E-004	HEAT EXCHANGER LOSS OF FUNCTION DURING MISSION
1RSHEX-LU-1RSE1D	2.09E-004	HEAT EXCHANGER LOSS OF FUNCTION 1-RS-E-1D
1RSLIC-LF-RS103A	1.38E-002	LEVEL SWITCH FAILS - CLOSSES 1-RS-MOV-100A
1RSLIC-LF-RS103B	1.38E-002	LEVEL SWITCH FAILS - CLOSSES 1-RS-MOV-100B
1RSMOV-FC-100B	1.09E-002	MOTOR OPERTD VALVE RS-100B FAILS CLOSE (FAILS TO OPEN)
1RSMOV-FC-RS100A	1.09E-002	MOTOR OPERTD VALVE RS-100A FAILS CLOSD (FAILS TO OPEN)
1RSMOV-PG-RS101A	1.35E-004	MOTOR OPERTD VALVE RS-101A PLUGGED DURING STANDBY
1RSMOV-PG-RS101B	1.35E-004	MOTOR OPERTD VALVE RS-101B PLUGGED DURING STANDBY
1RSMOV-PG-RS155A	1.35E-004	MOTOR OPERTD VALVE PLUGGED IN STANDBY 1-RS-MOV-155A
1RSMOV-PG-RS155B	1.35E-004	MOTOR OPERTD VALVE MOV-155B PLUGGED DURING STANDBY
1RSMOV-PG-RS156A	8.21E-004	MOTOR OPERTD VALVE PLUGGED IN STANDBY 1-RS-MOV-156A
1RSMOV-PG-RS156B	8.21E-004	MOTOR OPERTD VALVE MOV-156B PLUGGED DURING STANDBY
1RSMV--PG-RS-120	1.35E-004	N.O. MANUAL VALVE 1-RS-120 PLUGGED DURING STANDBY
1RSMV--PG-RS-135	1.35E-004	N.O. MANUAL VALVE 1-RS-135 PLUGGED DURING STANDBY
1RSMV--PG-RS-144	1.35E-004	N.O. MANUAL VALVE 1-RS-144 PLUGGED DURING STANDBY
1RSMV--PG-RS-145	1.35E-004	N.O. MANUAL VALVE 1-RS-145 PLUGGED DURING STANDBY
1RSPSB-CC-1A-1B	4.02E-004	CCF 2/2 FS OF IRS PUMPS 1-RS-P-1A/1B
1RSPSB-CC-2A-2B	4.02E-004	CCF 2/2 FS ORS PUMPS 1-RS-P-2A/2B
1RSPSB-CC-3A-3B	3.93E-004	CCF 2/2 FS OF CASING COOLING PHPS 1-RS-P-3A/3B

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1RSPSB-FR-1RSP1A	7.93E-004	MD STNDBY PUMP 1-RS-P-1A FAILS TO RUN
1RSPSB-FR-1RSP1B	7.93E-004	MD STNDBY PUMP 1-RS-1B FAILS TO RUN
1RSPSB-FR-1RSP2A	7.93E-004	MD STNDBY PUMP FAILS TO RUN 1-RS-P-2A
1RSPSB-FR-1RSP2B	7.93E-004	MD STNDBY PUMP FAILS TO RUN 1-RS-P-2B
1RSPSB-FR-1RSP3A	7.93E-004	MD STNDBY PUMP 1-RS-P-3A FAILS TO RUN
1RSPSB-FR-1RSP3B	7.93E-004	MD STNDBY PUMP 1-RS-P-3B FAILS TO RUN
1RSPSB-FS-1RSP1A	4.02E-003	MD STNDBY PUMP 1-RS-P-1A FAILS TO START
1RSPSB-FS-1RSP1B	4.02E-003	MD STNDBY PUMP 1-RS-P-1B FAILS TO START
1RSPSB-FS-1RSP2A	4.02E-003	MD STNDBY PUMP FAILS TO START 1-RS-P-2A
1RSPSB-FS-1RSP2B	4.02E-003	MD STNDBY PUMP FAILS TO START 1-RS-P-2B
1RSPSB-FS-1RSP3A	3.93E-003	MD STNDBY PUMP 1-RS-P-3A FAILS TO START
1RSPSB-FS-1RSP3B	3.93E-003	MD STNDBY PUMP 1-RS-P-3B FAILS TO START
1RSPSB-TM-1RSP2A	4.92E-003	SCHEDULED MAINTENANCE
1RSPSB-TM-1RSP2B	4.92E-003	SCHEDULED MAINTENANCE
1RSPSB-UM-1RSP1A	4.54E-003	MD STNDBY PUMP UNSCHDL MAINT. 1-RS-P-1A
1RSPSB-UM-1RSP1B	4.54E-003	MD STNDBY PUMP UNSCHDL MAINT. 1-RS-P-1B
1RSPSB-UM-1RSP2A	4.54E-003	UNSCHEDULED MAINTENANCE
1RSPSB-UM-1RSP2B	4.54E-003	UNSCHEDULED MAINTENANCE
1RSPSB-UM-1RSP3A	3.75E-003	MD STNDBY PUMP 1-RS-P-3A UNSCHDL MAINT.
1RSPSB-UM-1RSP3B	3.75E-003	MD STNDBY PUMP 1-RS-P-3B UNSCHDL MAINT.
1RSSTR-PG-TEMPA	2.82E-002	TEMPORARY SUCTION STRAINER PLUGGED 1-RS-P-3A
1RSSTR-PG-TEMPB	2.82E-002	TEMPORARY SUCTION STRAINER PLUGGED 1-RS-P-3B
1SICKV-CC-144161	6.34E-005	CCF 2/2 FC BOTH SI CKVS FAIL CLOSED SI-144 & 161
1SICKV-CC-206207	6.34E-005	COMMON CAUSE FAILUR OF CHECK VALVES SI-206 AND SI-207
1SICKV-CC-79185	6.34E-005	COMMON CAUSE FAILUR OF CHECK VALVES SI-79 AND SI-185
1SICKV-CC-838689	6.34E-005	COMMON CAUSE FAILUR CHECK VALVE SI-83 SI-86 AND SI-89
1SICKV-CC-959903	6.34E-005	CCF - 3/3 FC CHECK VALVES SI-95, SI-99 AND SI-103
1SICKV-CC-ACCCKV	6.34E-005	COMMON CAUSE FAILUR OF ALL ACCUMULATOR CHECK VALVES
1SICKV-CC-FC116	6.34E-005	COMMON CAUSE FAILUR OF CHECK VALVES SI-1 AND SI-16
1SICKV-CC-FC1229	6.34E-005	COMMON CAUSE FAILUR CHECK VALVES 12 & 29 FAIL TO OPEN
1SICKV-CC-FC926	6.34E-005	COMMON CAUSE FAULT CHECK VALVES FAIL CLOSD, SI-9 & SI-26
1SICKV-FC-1S11	6.34E-004	CHECK VALVE SI-1 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S112	6.34E-004	CHECK VALVE SI-12 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1125	6.34E-004	CHECK VALVE SI-125 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1127	6.34E-004	CHECK VALVE SI-127 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1142	6.34E-004	CHECK VALVE SI-142 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1144	6.34E-004	CHECK VALVE SI-144 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1159	6.34E-004	CHECK VALVE SI-159 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S116	6.34E-004	CHECK VALVE SI-16 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1161	6.34E-004	CHECK VALVE SI-161 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S118	6.34E-004	CHECK VALVE SI-18 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1185	6.34E-004	CHECK VALVE SI-185 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1206	6.34E-004	CHECK VALVE SI-206 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S1207	6.34E-004	CHECK VALVE SI-207 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S126	6.34E-004	CHECK VALVE SI-26 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S129	6.34E-004	CHECK VALVE SI-29 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S147	6.34E-004	CHECK VALVE SI-47 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S179	6.34E-004	CHECK VALVE SI-79 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FC-1S19	6.34E-004	CHECK VALVE SI-9 FAILS CLOSED (FAILS TO OPEN)
1SICKV-FO-1S147	3.44E-003	CHECK VALVE SI-47 FAILS OPEN (FAILS TO CLOSE)
1SILIC-CC-RWST	4.64E-004	RWST LEV INST CHAN COMMON CAUSE FAIL 30 DAY TEST INTERVL
1SILMS-LF-1860A	1.25E-004	LIMIT SWITCH LS-2 ON MOV-1860A LOSS OF FUNCTION
1SILMS-LF-1860B	1.25E-004	LIMIT SWITCH LS-2 ON MOV 1860B LOSS OF FUNCTION
1SILMS-LF-1863A9	1.25E-004	LIMIT SWITCH LS-9 ON 1863A LOSS OF FUNCTION
1SILMS-LF-1863B9	1.25E-004	LIMIT SWITCH LS-9 ON 1863B LOSS OF FUNCTION
1SILMS-LF-1885A	1.25E-004	LIMIT SWITCH LS-5 ON 1885A LOSS OF FUNCTION
1SILMS-LF-1885B	1.25E-004	LIMIT SWITCH LS-5 ON 1885B LOSS OF FUNCTION
1SILMS-LF-1885C	1.25E-004	LIMIT SWITCH LS-5 ON 1885C LOSS OF FUNCTION
1SILMS-LF-1885D	1.25E-004	LIMIT SWITCH LS-5 ON 1885D LOSS OF FUNCTION
1SILMS-LF-863A10	1.25E-004	LIMIT SWITCH LS-10 ON 1863A LOSS OF FUNCTION
1SILMS-LF-863B10	1.25E-004	LIMIT SWITCH LS-10 ON MOV 1863B LOSS OF FUNCTION
1SIMOV-CC-1115BD	3.90E-004	CCF 2/2 FC OF MOV 1115B AND MOV 1115D TO OPEN
1SIMOV-CC-1115CE	3.90E-004	CCF 2/2 FO OF MOV-1115C AND 1115E TO CLOSE

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1SIMOV-CC-1860AB	3.90E-004	CCF 2/2 FC FAILURE OF SUMP VALVES 1860A AND B
1SIMOV-CC-1867AB	3.90E-004	CCF OF BIT INLET MOV'S 1867A AND 1867B TO OPEN
1SIMOV-CC-1867CD	3.90E-004	CCF 2/2 FC OF MOV'S 1867C AND 1867D
1SIMOV-CC-1890CD	3.90E-004	CCF - 2/2 PLUGGED 1-SI-MOV-1890 C & D 18 MO TEST INTERVAL
1SIMOV-CC-867836	3.90E-004	COMMON CAUSE FAILUR OF MOV'S 1867C, 1867D, AND 1836
1SIMOV-FC-1115B	1.09E-002	MOTOR OPERTD VALVE 1-SI-MOV-1115B FAILS TO OPEN
1SIMOV-FC-1115D	1.09E-002	MOTOR OPERTD VALVE 1-SI-MOV-1115D FAILS TO OPEN
1SIMOV-FC-1286B	1.09E-002	MOTOR OPERTD VALVE CH-1286B FAILS CLSD (FAILS TO OPEN)
1SIMOV-FC-1286C	1.09E-002	MOTOR OPERTD VALVE CH-1286C FAILS CLSD (FAILS TO OPEN)
1SIMOV-FC-1836	1.09E-002	MOTOR OPERTD VALVE 1836 FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1860A	1.09E-002	RHR TRAIN B & 1H BUSSES OR 1H EDG
1SIMOV-FC-1860B	1.09E-002	MOTOR OPERTD VALVE SI-1860B FAILS CLSD (FAILS TO OPEN)
1SIMOV-FC-1863A	1.09E-002	MOTOR OPERTD VALVE 1863A FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1863B	1.09E-002	MOTOR OPERTD VALVE 1863B FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1867A	1.09E-002	MOTOR OPERTD VALVE 1867A FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1867B	1.09E-002	MOTOR OPERTD VALVE 1867B FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1867C	1.09E-002	MOTOR OPERTD VALVE 1867C FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1867D	1.09E-002	MOTOR OPERTD VALVE 1-SI-MOV-1867D FAILS TO OPEN
1SIMOV-FC-1890A	1.09E-002	MOTOR OPERTD VALVE 1890A FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FC-1890B	1.09E-002	MOTOR OPERTD VALVE 1890B FAILS CLOSED (FAILS TO OPEN)
1SIMOV-FO-1115B	1.09E-002	MOTOR OPERTD VALVE MOV-1115B FAILS OPEN
1SIMOV-FO-1115C	1.09E-002	MOTOR OPERTD VALVE 1-SI-MOV-1115C FAILS TO CLOSE
1SIMOV-FO-1115D	1.09E-002	MOTOR OPERTD VALVE MOV-1115D FAILS OPEN
1SIMOV-FO-1115E	1.09E-002	MOTOR OPERTD VALVE MOV-115E FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1862A	1.09E-002	MOTOR OPERTD VALVE SI-1862A FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1862B	1.09E-002	MOTOR OPERTD VALVE SI-1862B FAILS OPEN
1SIMOV-FO-1864A	1.09E-002	MOTOR OPERTD VALVE 1864A FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1864B	1.09E-002	MOTOR OPERTD VALVE 1864 B FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1885A	1.09E-002	MOTOR OPERTD VALVE 1885A FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1885B	1.09E-002	MOTOR OPERTD VALVE 1885B FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1885C	1.09E-002	MOTOR OPERTD VALVE 1885C FAILS OPEN (FAILS TO CLOSE)
1SIMOV-FO-1885D	1.09E-002	MOTOR OPERTD VALVE 1885D FAILS OPEN (FAILS TO CLOSE)
1SIMOV-PG-1115C	3.00E-006	MOTOR OPERTD VALVE MOV-1115C PLUGGED DURING MISSION TIME
1SIMOV-PG-1115E	3.00E-006	MOTOR OPERTD VALVE MOV-1115E PLUGGED DURING MISSION TIME
1SIMOV-PG-1267B	8.21E-004	MOTOR OPERTD VALVE CH-1267B PLUGGED DURING STANDBY
1SIMOV-PG-1269A	4.50E-005	MOTOR OPERTD VALVE 1-CH-MOV-1269A PLUGGED IN STANDBY
1SIMOV-PG-1269B	8.21E-004	MOTOR OPERTD VALVE SI-1269B PLUGGED DURING STANDBY
1SIMOV-PG-1270A	4.50E-005	MOTOR OPERTD VALVE 1-CH-MOV-1270A PLUGGED IN STANDBY
1SIMOV-PG-1270B	8.21E-004	MOTOR OPERTD VALVE SI-1270B PLUGGED DURING STANDBY
1SIMOV-PG-1286B	4.50E-005	MOTOR OPERTD VALVE 1-SI-MOV-1286B PLUGGED IN STANDBY
1SIMOV-PG-1286C	4.50E-005	MOTOR OPERTD VALVE 1-SI-MOV-1286C PLUGGED IN STANDBY
1SIMOV-PG-1287A	8.21E-004	MOTOR OPERTD VALVE 1-CH-MOV-1287A PLUGS IN STANDBY
1SIMOV-PG-1287B	8.21E-004	MOTOR OPERTD VALVE 1-CH-MOV-1287B PLUGGED IN STANDBY
1SIMOV-PG-1287C	8.21E-004	MOTOR OPERTD VALVE 1-CH-MOV-1287C PLUGGED IN STANDBY
1SIMOV-PG-1860A	1.36E-003	MOTOR OPERTD VALVE PLUGGED DURING STANDBY
1SIMOV-PG-1860B	1.36E-003	MOTOR OPERTD VALVE PLUGGED DURING STANDBY
1SIMOV-PG-1862A	1.35E-004	N.O. MOV 1-SI-1862A PLUGGED DURING STANDBY
1SIMOV-PG-1862B	1.35E-004	N.O. MOV 1-SI-1862B PLUGGED DURING STANDBY
1SIMOV-PG-1864A	8.21E-004	N.O. MOV 1-SI-1864A PLUGGED DRNG STNDBY
1SIMOV-PG-1864B	8.21E-004	N.O. MOV 1-SI-1864B PLUGGED DRNG STNDBY
1SIMOV-PG-1865A	8.21E-004	MOTOR OPERTD VALVE 1865A PLUGGED DURING STANDBY
1SIMOV-PG-1865B	8.21E-004	N.O. OPEN MOV SI-1865B PLUGGED IN STANDBY
1SIMOV-PG-1865C	8.21E-004	N.O.OPEN MOV SI-1865C PLUGGED IN STANDBY
1SIMOV-PG-1885A	1.35E-004	N.O. MOV 1-SI-1885A PLUGGED DURING STANDBY
1SIMOV-PG-1885B	1.35E-004	N.O. MOV 1-SI-1885B PLUGGED DURING STANDBY
1SIMOV-PG-1885C	1.35E-004	N.O. MOV 1-SI-1885C PLUGGED DURING STANDBY
1SIMOV-PG-1885D	1.35E-004	MOTOR OPERTD VALVE 1-SI-1885D PLUGGED DURING STANDBY
1SIMV--PG-1S1305	1.35E-004	N.O. MANUAL VALVE 1-SI-305 PLUGGED DURING STANDBY
1SIMV--PG-1S1306	1.35E-004	N.O. MANUAL VALVE 1-SI-306 PLUGGED DURING STANDBY
1SIMV--PG-1S146	4.50E-005	N.O. MANUAL VALVE SI-46 PLUGGED DURING STANDBY
1SIPSB-CC-FS1A1B	4.93E-004	CCF 2/2 FS OF PUMPS 1A AND 1B TO START
1SIPSB-FR-1HRP1A	3.30E-005	MD STNDBY PUMP 1-SI-P-1A FAILS TO RUN FOR 1 HOUR
1SIPSB-FR-1HRP1B	3.30E-005	MD STNDBY PUMP 1-SI-P-1B FAILS TO RUN



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1SIPSB-FR-24HP1A	7.93E-004	MD STNDBY PUMP 1-SI-P-1A FAILS TO RUN
1SIPSB-FR-24HP1B	7.93E-004	MD STNDBY PUMP 1-SI-P-1B FAILS TO RUN
1SIPSB-FS-1SIP1A	4.02E-003	MD STNDBY PUMP 1-SI-P-1A FAILS TO START
1SIPSB-FS-1SIP1B	4.02E-003	MD STNDBY PUMP 1-SI-P-1B FAILS TO START
1SIPSB-UM-1SIP1A	4.54E-003	MD STANDBY PUMP 1-SI-P-1A UNSCHDL MAINT.
1SIPSB-UM-1SIP1B	4.54E-003	MD STANDBY PUMP 1-SI-P-1B UNSCHDL MAINT.
1SIRLY-LF-3-602B	2.66E-004	AUXILIARY RELAY 3- FROM K602B LOSS OF FUNCTION
1SIRLY-LF-601B	2.66E-004	RELAY K601 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-603A	2.66E-004	RELAY K603 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K136A	2.66E-004	RELAY K136 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K136B	2.66E-004	RELAY K136 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K148A	2.66E-004	RELAY K148 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K148B	2.66E-004	RELAY K148B TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K201A	2.66E-004	RELAY K201 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K201B	2.66E-004	RELAY K201 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K203A	2.66E-004	RELAY K203 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K203B	2.66E-004	RELAY K203 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K204A	2.66E-004	RELAY K204 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K204B	2.66E-004	RELAY K204 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K218A	2.66E-004	RELAY K218 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K218B	2.66E-004	RELAY K218 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K229A	2.66E-004	RELAY K229 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K229B	2.66E-004	RELAY K229 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K231A	2.66E-004	RELAY K231 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K231B	2.66E-004	RELAY K231 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K245A	2.66E-004	RELAY K245 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K245B	2.66E-004	RELAY K245 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K247A	2.66E-004	RELAY K247 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K247B	2.66E-004	RELAY K247 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K248A	2.66E-004	RELAY K248 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K248B	2.66E-004	RELAY K248 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K306A	2.66E-004	RELAY K306 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K306B	2.66E-004	RELAY K306 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K317A	2.66E-004	RELAY K317 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K317B	2.66E-004	RELAY K317 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K318A	2.66E-004	RELAY K318 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K318B	2.66E-004	RELAY K318 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K319A	2.66E-004	RELAY K319 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K319B	2.66E-004	RELAY K319 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K320A	2.66E-004	RELAY K320 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K320B	2.66E-004	RELAY K320 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K321A	2.66E-004	RELAY K321 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K321B	2.66E-004	RELAY K321 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K327A	2.66E-004	RELAY K327 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K327B	2.66E-004	RELAY K327 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K334A	2.66E-004	RELAY K335 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K334B	2.66E-004	RELAY K334 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K337A	2.66E-004	RELAY K337 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K337B	2.66E-004	RELAY K337 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K344A	2.66E-004	RELAY K344 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K344B	2.66E-004	RELAY K344 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K347A	2.66E-004	RELAY K347 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K347B	2.66E-004	RELAY K347 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K348A	2.66E-004	RELAY K348 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K348B	2.66E-004	RELAY K348 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K408A	2.66E-004	RELAY K408 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K408B	2.66E-004	RELAY K408 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K409A	2.66E-004	RELAY K409 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K409B	2.66E-004	RELAY K409 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K410A	2.66E-004	RELAY K410 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K410B	2.66E-004	RELAY K410 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K416A	2.66E-004	RELAY K416 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K416B	2.66E-004	RELAY K416 TRAIN B LOSS OF FUNCTION



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1SIRLY-LF-K417A	2.66E-004	RELAY K417 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K417B	2.66E-004	RELAY K417 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K418A	2.66E-004	RELAY K418 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K418B	2.66E-004	RELAY K418 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K419A	2.66E-004	RELAY K419 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K419B	2.66E-004	RELAY K419 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K431A	2.66E-004	RELAY K431 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K431B	2.66E-004	RELAY K431 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K432A	2.66E-004	RELAY K432 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K432B	2.66E-004	RELAY K432 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K433A	2.66E-004	RELAY K433 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K433B	2.66E-004	RELAY K433 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K501A	2.66E-004	MASTER RELAY K501 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K501B	2.66E-004	RELAY K501 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K521A	2.66E-004	RELAY K521 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K521B	2.66E-004	RELAY K521 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K601A	2.66E-004	RELAY K601 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K602A	2.66E-004	RELAY K602 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K602B	2.66E-004	RELAY K602 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K603B	2.66E-004	RELAY K603 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K604A	2.66E-004	RELAY K604 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K604B	2.66E-004	RELAY K604 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K608A	2.66E-004	RELAY K608 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K608B	2.66E-004	RELAY K608 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K609A	2.66E-004	RELAY K609 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K609B	2.66E-004	RELAY K609 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K610A	2.66E-004	RELAY K610 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K610B	2.66E-004	RELAY K610 TRAIN B LOSS OF FUNCTION
1SIRLY-LF-K611A	2.66E-004	RELAY K611 TRAIN A LOSS OF FUNCTION
1SIRLY-LF-K611B	2.66E-004	RELAY K611 TRAIN B LOSS OF FUNCTION
1SISV--MC-1845A	3.75E-005	SAFETY VALVE 1845A MISCALIBRATED - LIFTS EARLY
1SISV--MC-1845C	3.75E-005	SAFETY VALVE 1845C MISCALIBRATED - LIFTS EARLY
1SITNK-LF-1SITK2	2.66E-006	FLOW OBSTRUCTION IN BORON INJECTION TANK
1SW-COLDWEA-3MO	2.50E-001	FRACTION OF TIME DISCHARGE VIA BYPASS (3 MONTHS)
1SW-HOTWEA-9MO	7.50E-001	FRACTION OF TIME DISCHARGE VIA SPRAY ARRAYS (9 MONTHS)
1SWCKV-CC-386420	6.34E-005	COMMON CAUSE FAULT CKVS 1-SW-386 & 420 FAILS CLOSED
1SWCKV-CC-402436	6.34E-005	COMMON CAUSE FAULT CKVS 1-SW-402 & 436 FAILS CLOSED
1SWCKV-CC-630631	6.34E-005	CCF OF CHECK VALVES SW-630 AND SW-631
1SWCKV-CC-641644	6.34E-005	CCF OF CHECK VALVES SW-641 AND SW-644
1SWCKV-CC-647648	6.34E-005	CCF OF CHECK VALVES SW-647 AND SW-648 TO OPEN
1SWCKV-CC-658661	6.34E-005	CCF OF CHECK VALVES SW-658 AND SW-661 TO OPEN
1SWCKV-FC-1SW10	6.34E-004	CHECK VALVE FAILS CLOSED 1-SW-10
1SWCKV-FC-1SW22	6.34E-004	CHECK VALVE FAILS CLOSED 1-SW-22
1SWCKV-FC-1SW386	6.34E-004	CHECK VALVE 1-SW-386 FAILS CLOSED
1SWCKV-FC-1SW402	6.34E-004	CHECK VALVE 1-SW-402 FAILS CLOSED
1SWCKV-FC-1SW420	6.34E-004	CHECK VALVE 1-SW-420 FAILS CLOSED
1SWCKV-FC-1SW436	6.34E-004	CHECK VALVE 1-SW-436 FAILS CLOSED
1SWCKV-FC-1SW630	6.34E-004	CHECK VALVE SW-630 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW631	6.34E-004	CHECK VALVE SW-631 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW641	6.34E-004	CHECK VALVE SW-641 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW644	6.34E-004	CHECK VALVE SW-644 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW647	6.34E-004	CHECK VALVE SW-647 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW648	6.34E-004	CHECK VALVE SW-648 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW658	6.34E-004	CHECK VALVE SW-658 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-1SW661	6.34E-004	CHECK VALVE SW-661 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-SW-114	6.34E-004	CHECK VALVE SW-114 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-SW-116	6.34E-004	CHECK VALVE SW-116 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-SW-120	6.34E-004	CHECK VALVE SW-120 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-SW-130	6.34E-004	CHECK VALVE SW-130 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-SW-140	6.34E-004	CHECK VALVE SW-140 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FC-SW-150	6.34E-004	CHECK VALVE SW-150 FAILS CLOSED (FAILS TO OPEN)
1SWCKV-FO-1SW10	3.44E-003	CHECK VALVE FAILS OPEN 1-SW-10
1SWCKV-FO-1SW23	3.44E-003	CHECK VALVE FAILS OPEN 1-SW-23

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1SWCKV-FO-1SW3	3.44E-003	CHECK VALVE FAILS OPEN 1-SW-3
1SWMOV-CC-101A-D	3.90E-004	CCF 4/4 FC OF INLET SUPPLY VALVES 1-SW-CC-101A-D
1SWMOV-CC-103A-D	3.90E-004	CCF 4/4 FC OF INLET ISO VALVES 1-SW-MOV-103A-D
1SWMOV-CC-104A-D	3.90E-004	CCF 4/4 FC OF OUTLET ISO VALVES 1-SW-MOV-104A-D
1SWMOV-CC-105A-D	3.90E-004	CCF 4/4 FC OF DISCHARGE ISO VLVS 1-SW-MOV-105A-D
1SWMOV-FC-115A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-SW-MOV-115A
1SWMOV-FC-115B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-SW-MOV-115B
1SWMOV-FC-120A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-SW-MOV-120A
1SWMOV-FC-120B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-SW-MOV-120B
1SWMOV-FC-1SW117	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-SW-MOV-117
1SWMOV-FC-1SW118	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 1-SW-MOV-118
1SWMOV-FC-SW101A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW101B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW101C	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW101D	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW103A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW103B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW103C	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW103D	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW104A	1.09E-002	MOTOR OPERTD VALVE SW-104A FAIL CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW104B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW104C	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW104D	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW105A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW105B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW105C	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-FC-SW105D	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED (FAILS TO OPEN)
1SWMOV-PG-SW102A	4.50E-005	MOTOR OPERTD VALVE 1-SW-102A PLUGGED DURING STANDBY
1SWMOV-PG-SW102B	4.50E-005	MOTOR OPERTD VALVE 1-SW-102B PLUGGED DURING STANDBY
1SWMOV-PG-SW106A	1.35E-004	MOTOR OPERTD VALVE SW-106A PLUGGED DURING STANDBY
1SWMOV-PG-SW106B	1.35E-004	MOTOR OPERTD VALVE SW-106B PLUGGED DURING STANDBY
1SWMOV-SC-121A	1.21E-005	1-SW-MOV-121A SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-121B	1.21E-005	1-SW-MOV-121B SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-122A	1.21E-005	1-SW-MOV-122A SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-122B	1.21E-005	1-SW-MOV-122B SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-123A	1.21E-005	BYPASS VALVE 1-SW-MOV-123A SPURIOUS CLOSURE
1SWMOV-SC-123B	1.21E-005	BYPASS VALVE 1-SW-MOV-223B SPURIOUS CLOSURE
1SWMOV-SC-223A	1.21E-005	BYPASS VALVE 1-SW-MOV-223A SPURIOUS CLOSURE
1SWMOV-SC-223B	1.21E-005	BYPASS VALVE 1-SW-MOV-223B SPURIOUS CLOSURE
1SWMOV-SC-SW108A	1.21E-005	MOTOR OPERTD VALVE SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-SW108B	1.21E-005	MOTOR OPERTD VALVE SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-SW208A	1.21E-005	MOTOR OPERTD VALVE SPURIOUS CLOSED DURING MISSION
1SWMOV-SC-SW208B	1.21E-005	MOTOR OPERTD VALVE SPURIOUS CLOSED DURING MISSION
1SWMV--FC-1SW13	1.25E-004	MANUAL VALVE FAILS CLOSED 1-SW-13
1SWMV--FC-1SW222	1.25E-004	MANUAL VALVE SW-222 FAILS CLOSED (FAILS TO OPN)
1SWMV--FC-1SW362	1.25E-004	MANUAL VALVE 1-SW-362 FAILS CLOSED
1SWMV--FC-1SW385	1.25E-004	MANUAL VALVE 1-SW-385 FAILS CLOSED
1SWMV--FC-1SW4	1.25E-004	MANUAL VALVE FAILS CLOSED 1-SW-4
1SWMV--FO-1SW11	1.25E-004	MANUAL VALVE FAILS OPEN 1-SW-11
1SWMV--FO-1SW6	1.25E-004	MANUAL VALVE FAILS OPEN 1-SW-6
1SWMV--PG-1SW11	4.50E-005	N.O. MANUAL VALVE 1-SW-11 PLUGGED DURING STANDBY
1SWMV--PG-1SW634	2.74E-004	N.O. MANUAL VALVE SW-634 PLUGGED DURING STANDBY
1SWMV--PG-1SW635	2.74E-004	N.O. MANUAL VALVE SW-635 PLUGGED DURING STANDBY
1SWMV--PG-1SW636	2.74E-004	N.O. MANUAL VALVE SW-636 PLUGGED DURING STANDBY
1SWMV--PG-1SW637	2.74E-004	N.O. MANUAL VALVE SW-637 PLUGGED DURING STANDBY
1SWMV--PG-1SW642	2.74E-004	N.O. MANUAL VALVE SW-642 PLUGGED DURING STANDBY
1SWMV--PG-1SW643	2.74E-004	N.O. MANUAL VALVE SW-643 PLUGGED DURING STANDBY
1SWMV--PG-1SW645	1.05E-005	N.O. MANUAL VALVE SW-645 PLUGGED DURING STANDBY
1SWMV--PG-1SW646	1.05E-005	N.O. MANUAL VALVE SW-646 PLUGGED DURING STANDBY
1SWMV--PG-1SW651	1.05E-005	N.O. MANUAL VALVE SW-651 PLUGGED DURING STANDBY
1SWMV--PG-1SW652	1.05E-005	N.O. MANUAL VALVE SW-652 PLUGGED DURING STANDBY
1SWMV--PG-1SW653	1.05E-005	N.O. MANUAL VALVE SSW-653 PLUGGED DURING STANDBY
1SWMV--PG-1SW654	1.05E-005	N.O. MANUAL VALVE SW-654 PLUGGED DURING STANDBY

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
1SMV--PG-1SW659	1.05E-005	N.O. MANUAL VALVE SW-659 PLUGGED DURING STANDBY
1SMV--PG-1SW660	1.05E-005	N.O. MANUAL VALVE SW-660 PLUGGED DURING STANDBY
1SMV--PG-1SW669	2.74E-004	N.O. MANUAL VALVE SW-669 PLUGGED DURING STANDBY
1SMV--PG-1SW670	2.74E-004	N.O. MANUAL VALVE SW-670 PLUGGED DURING STANDBY
1SWPAT-CC-SWP1B	3.84E-004	COMMON CAUSE FAULT ALT PUMP IN STANBY FAILS TO START
1SWPAT-FR-1SWP1A	7.93E-004	MD ALT PUMP 1-SW-P-1A FAILS TO RUN
1SWPAT-FR-1SWP1B	7.93E-004	MD ALT PUMP 1-SW-P-1B FAILS TO RUN
1SWPAT-FS-1SWP1B	3.84E-003	MD ALT PUMP 1-SW-P-1B FAILS TO START
1SWPAT-UM-1SWP1B	3.75E-003	MD ALT PUMP 1-SW-P-1B UNSCHLD MAINT.
1SWPIP-UM-HDRA	2.28E-002	SW RTN HEADER A (3) IN MAINTENANCE
1SWPIP-UM-HDRB	2.28E-002	SW RTN HEADER B (4) IN MAINTENANCE
1SWPSB-FR-1SWP-4	7.93E-004	MD STNDBY PUMP 1-SW-P-4 FAILS TO RUN
1SWPSB-FS-1SWP-4	3.15E-003	MD STNDBY PUMP 1-SW-P-4 FAILS TO START
1SWPSB-UM-1SWP-4	8.29E-002	MD STNDBY PUMP 1-SW-P-4 UNSCHDL MAINT.
1SWRLY-LF-SWEA03	2.66E-004	RELAY 3C-SWEA03 FAILS TO OPEN AFTER 1-SW-P-1A FAILURE
1SWSCN-CC-SWRES	6.39E-005	CCF OF THE PUMPS DUE TO SCREENWELL PLUGGING
1SWSCN-PG-1SWP1B	9.53E-003	1-SW-P-1B FAILS DUE TO SCREENWELL PLUGGING
1SWSCN-PG-2SWP1B	9.53E-003	2-SW-P-1B FAILS DUE TO SCREENWELL PLUGGING
1SWSCN-PL-1SWP1A	6.39E-004	1-SW-P-1A FAILS DUE TO SCREENWELL PLUGGING
1SWTCV-CC-102BC	1.81E-003	CCF OF SW-TCV-102B AND SW-TCV-102C TO OPEN
1SWTCV-FC-SW102B	1.81E-002	TEMP CONTROL VALVE SW-102B FAILS CLSD (FAILS TO OPEN)
1SWTCV-FC-SW102C	1.81E-002	TEMP CONTROL VALVE SW-102C FAILS CLSD (FAILS TO OPEN)
1TMSOV-FC-20-ET	1.81E-002	ENC AUTO STOP OIL LOW PRESSURE SOV (FAILS TO OPEN)
1TMSOV-FC-ASO	1.81E-002	ENC / AUTO STOP OIL INTERFACE VALVE (FAILS TO OPEN)
2CDCKV-FC-2CD211	6.34E-004	CHECK VALVE 2-CD-211 FAILS CLOSED
2EE-BAT-I-2HR	1.00E+000	FAILURE OF BATTERY 2-I AT TWO HOURS
2EE-BAT-II-2HR	1.00E+000	FAILURE OF BATTERY 2-II AT TWO HOURS
2EE-BAT-III-2HR	1.00E+000	FAILURE OF BATTERY 2-III AT TWO HOURS
2EE-BAT-IV-2HR	1.00E+000	FAILURE OF BATTERY 2-IV AT TWO HOURS
2EEBAT-CC-ALL	1.05E-006	COMMON CAUSE FAULT BATTERIES FAIL TO SUPPLY POWER
2EEBAT-CC-I-III	1.05E-006	COMMON CAUSE FAULTS BATTERIES 2-BY-B-1 AND 2-BY-B-3
2EEBAT-LP-I	1.50E-005	BATTERY 2-I FAILS TO SUPPLY POWER 2-BY-B-1
2EEBAT-LP-II	1.50E-005	BATTERY 2-II FAILS TO SUPPLY POWER 2-BY-B-2
2EEBAT-LP-III	1.50E-005	BATTERY 2-III FAILS TO SUPPLY POWER
2EEBAT-LP-IV	1.50E-005	BATTERY 2-IV FAILS TO SUPPLY POWER 2-BY-B-4
2EEBCH-LP-2C-I	8.40E-005	BATTERY CHARGER 2C-I FAILS 225A 2-BY-C-3
2EEBCH-LP-2C-II	8.40E-005	BATTERY CHARGER 2C-II FAILS 225A 2-BY-C-6
2EEBCH-LP-I	8.40E-005	BATTERY CHARGER 2-I FAILS 225A 2-BY-C-2
2EEBCH-LP-II	8.40E-005	BATTERY CHARGER 2-II FAILS 225A 2-BY-C-4
2EEBCH-LP-III	8.40E-005	BATTERY CHARGER 2-III FAILS 225A 2-BY-C-5
2EEBCH-LP-IV	8.40E-005	BATTERY CHARGER 2-IV FAILS 225A 2-BY-C-7
2EEBKR-FO-25H1	2.74E-004	BREAKER 25H1 FAILS OPEN, WILL NOT CLOSE 4160 V
2EEBKR-FO-25H2	2.74E-004	BREAKER 25H2 EDG OUTPUT BREAKER FAILS TO CLOSE
2EEBKR-FO-25J11	2.74E-004	BREAKER 25J11 FAILS OPEN, WILL NOT CLOSE 4160 V
2EEBKR-FO-25J2	2.74E-004	BREAKER 25J2 EDG OUTPUT BREAKER FAILS TO CLOSE
2EEBKR-FO-I-12	2.74E-004	BREAKER 12 ON DC PANEL 2-I FAILS TO CLOSE
2EEBKR-FO-II-10	2.74E-004	BREAKER 10 ON DC PANEL 2-II FAILS TO CLOSE
2EEBKR-FO-III-12	2.74E-004	BREAKER 12 ON DC PANEL 2-III FAILS TO CLOSE
2EEBKR-FO-IV-8	2.74E-004	BREAKER 8 ON DC PANEL 2-IV FAILS TO CLOSE
2EEBKR-SO-16A-17	3.36E-005	BREAKER 17 ON SEMI VITAL DIST 2A SPURIOUSLY OPENS
2EEBKR-SO-16B-17	3.36E-005	BREAKER 17 ON SEMI VITAL DIST 2B SPURIOUSLY OPENS
2EEBKR-SO-24H1	3.36E-005	BREAKER 24H1 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24H1-1	3.36E-005	BREAKER 24H1-1 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24H1-3	3.36E-005	BREAKER 24H1-3 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24H2	3.36E-005	BREAKER 24H2 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24H3	3.36E-005	BREAKER 24H3 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24H4	3.36E-005	BREAKER 24H4 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24H5	3.36E-005	BREAKER 24H5 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24J1	3.36E-005	BREAKER 24J1 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24J1-1	3.36E-005	BREAKER 24J1-1 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24J4	3.36E-005	BREAKER 24J4 SPURIOUSLY OPENS 480 V
2EEBKR-SO-24J6	3.36E-005	BREAKER 24J6 SPURIOUSLY OPENS
2EEBKR-SO-25H11	3.36E-005	BREAKER 25H11 SPURIOUSLY OPENS 4160 V

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
2EEBKR-SO-25H12	3.36E-005	BREAKER 25H12 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-25H2	8.39E-006	BREAKER 25H2 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-25H8	3.36E-005	BREAKER 25H8 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-25J11	3.36E-005	BREAKER 25J11 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-25J12	3.36E-005	BREAKER 25J12 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-25J2	8.39E-006	BREAKER 25J2 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-25J8	3.36E-005	BREAKER 25J8 SPURIOUSLY OPENS 4160 V
2EEBKR-SO-2A-25	3.36E-005	BREAKER 25 ON SEMI VITAL BUS 2A SPURIOUSLY OPENS
2EEBKR-SO-H1-E2R	3.36E-005	BREAKER E2R ON MCC 2H1-1 SPURIOUSLY OPENS
2EEBKR-SO-H1-E4L	3.36E-005	BREAKER E4L ON MCC 2H1-1 SPURIOUSLY OPENS
2EEBKR-SO-H1-E4R	3.36E-005	BREAKER E4R ON MCC 2H1-1 SPURIOUSLY OPENS
2EEBKR-SO-H1-F3L	3.36E-005	BREAKER F3L ON MCC 2H1-1 SPURIOUSLY OPENS
2EEBKR-SO-H1-F3R	3.36E-005	BREAKER F3R ON MCC 1H1-1 SPURIOUSLY OPENS
2EEBKR-SO-H3-A3	3.36E-005	BREAKER A3 ON MCC 2H1-3A SPURIOUSLY OPENS
2EEBKR-SO-H4-B4R	3.36E-005	BREAKER B4R ON MCC 2H1-4 SPURIOUSLY OPENS
2EEBKR-SO-1-12	3.36E-005	BREAKER 12 ON DC PANEL 2-1 SPURIOUSLY OPENS
2EEBKR-SO-1-13	3.36E-005	BREAKER 13 ON DC BUS 2-1 SPURIOUSLY OPENS
2EEBKR-SO-11-11	3.36E-005	BREAKER 11 ON DC PANEL 2-11 SPURIOUSLY OPENS
2EEBKR-SO-11-14	3.36E-005	BREAKER 14 ON DC BUS 2-11 SPURIOUSLY OPENS
2EEBKR-SO-111-11	3.36E-005	BREAKER 11 ON DC PANEL 2-111 SPURIOUSLY OPENS
2EEBKR-SO-111-12	3.36E-005	BREAKER 12 ON DC BUS 2-111 SPURIOUSLY OPENS
2EEBKR-SO-1V-11	3.36E-005	BREAKER 11 ON DC BUS 2-1V SPURIOUSLY OPENS
2EEBKR-SO-1V-25	3.36E-005	BREAKER 25 ON SEMI VITAL BUS 2B SPURIOUSLY OPENS
2EEBKR-SO-1V-9	3.36E-005	BREAKER 9 ON DC PANEL 2-1V SPURIOUSLY OPENS
2EEBKR-SO-J1-B2L	3.36E-005	BREAKER B2L ON MCC 2J1-1 SPURIOUSLY OPENS
2EEBKR-SO-J1-B2R	3.36E-005	BREAKER B2R ON MCC 2J1-1 SPURIOUSLY OPENS
2EEBKR-SO-J1-C1L	3.36E-005	BREAKER C1L ON MCC 2J1-1 SPURIOUSLY OPENS
2EEBKR-SO-J1-E1L	3.36E-005	BREAKER E1L ON MCC 2J1-1 SPURIOUSLY OPENS
2EEBKR-SO-J1-E1R	3.36E-005	BREAKER E1R ON MCC 2J1-1 SPURIOUSLY OPENS
2EEBKR-SO-J2-J2R	3.36E-005	BREAKER J2R ON MCC 2J1-2S SPURIOUSLY OPENS
2EEBKR-SO-J3-A3	3.36E-005	BREAKER A3 ON MCC 2J1-3 SPURIOUSLY OPENS
2EEBKR-SO-VB1-35	3.36E-005	BREAKER 35 ON VITAL BUS 2-1 SPURIOUSLY OPENS
2EEBKR-SO-VB2-35	3.36E-005	BREAKER 35 ON VITAL BUS 2-11 SPURIOUSLY OPENS
2EEBKR-SO-VB3-35	3.36E-005	BREAKER 35 ON VITAL BUS 2-111 SPURIOUSLY OPENS
2EEBKR-SO-VB4-35	3.36E-005	BREAKER 35 ON VITAL BUS 2-1V SPURIOUSLY OPENS
2EEBUS-LU-2H	1.21E-005	4160 V BUS 2H LOSS OF FUNCTION 2-EE-SW-1
2EEBUS-LU-2H-480	1.21E-005	480 V BUS 2H LOSS OF FUNCTION 2-EE-SS-1
2EEBUS-LU-2H1	1.21E-005	480 V BUS 2H1 LOSS OF FUNCTION 2-EE-SS-3
2EEBUS-LU-2H1-1	1.21E-005	480 V MCC 2H1-1 LOSS OF FUNCTION 2-EP-MC-10
2EEBUS-LU-2H1-2N	1.21E-005	480 V MCC 2H1-2N LOSS OF FUNCTION 2-EP-MC-19
2EEBUS-LU-2H1-2S	1.21E-005	480 V MCC 2H1-2S LOSS OF FUNCTION 2-EP-MC-20
2EEBUS-LU-2H1-3	1.21E-005	480 V MCC 2H1-3 LOSS OF FUNCTION 2-EP-MC-32
2EEBUS-LU-2H1-3A	1.21E-005	480 V MCC 2H1-3A LOSS OF FUNCTION 2-EP-MC-50
2EEBUS-LU-2H1-4	1.21E-005	480 V MCC 2H1-4 LOSS OF FUNCTION 2-EP-MC-41
2EEBUS-LU-2HSTUB	1.21E-005	4160 V STUB BUS 2H LOSS OF FUNCTION 2-EE-SW-1
2EEBUS-LU-2J	1.21E-005	4160 V BUS 2J LOSS OF FUNCTION 2-EE-SW-2
2EEBUS-LU-2J-480	1.21E-005	480 V BUS 2J LOSS OF FUNCTION 2-EE-SS-2
2EEBUS-LU-2J1	1.21E-005	480 V BUS 2J1 LOSS OF FUNCTION 2-EE-SS-4
2EEBUS-LU-2J1-1	1.21E-005	480 V MCC 2J1-1 LOSS OF FUNCTION 1-EP-MC-11
2EEBUS-LU-2J1-2	1.21E-005	480V MCC 2J1-2N & 2S LOSS OF FUNCTION 2-EP-MC-21 & 22
2EEBUS-LU-2J1-3	1.21E-005	480V MCC 2J1-3 LOSS OF FUNCTION 2-EP-MC-33
2EEBUS-LU-2J1-3A	1.21E-005	480 V MCC 2J1-3A LOSS OF FUNCTION 2-EP-MC-51
2EEBUS-LU-2JSTUB	1.21E-005	4160V STUB BUS 2J LOSS OF FUNCTION 2-EE-SW-2
2EEBUS-LU-DB-2A	1.21E-005	SEMI VITAL DIST 2A LOSS OF FUNCTION 2-EP-DB-16A 120 V
2EEBUS-LU-DB-2B	1.21E-005	SEMI VITAL DIST 2B LOSS OF FUNCTION 2-EP-DB-2B 120 V
2EEBUS-LU-DC-1	1.21E-005	125 V DC BUS 2-1 LOSS OF FUNCTION 1-EP-CB-12A
2EEBUS-LU-DC-11	1.21E-005	125 V DC BUS 2-11 LOSS OF FUNCTION 2-EP-CB-12B
2EEBUS-LU-DC-111	1.21E-005	125 V DC BUS 2-111 LOSS OF FUNCTION 2-EP-CB-12C
2EEBUS-LU-DC-1V	1.21E-005	125 V DC BUS 2-1V LOSS OF FUNCTION 2-EP-CB-12D
2EEBUS-LU-SVB-2A	1.21E-005	SEMI VITAL BUS 2A LOSS OF FUNCTION 2-EP-CB-16A 120 V
2EEBUS-LU-SVB-2B	1.21E-005	SEMI VITAL BUS 2B LOSS OF FUNCTION 2-EP-CB-16B 120 V
2EEBUS-LU-VB-1	1.21E-005	120 V VITAL BUS 2-1 LOSS OF FUNCTION 2-EP-CB-4A
2EEBUS-LU-VB-11	1.21E-005	120V VITAL BUS 2-11 LOSS OF FUNCTION 2-EP-CE-4B

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
ZEEBUS-LU-VB-III	1.21E-005	120 V VITAL BUS III LOSS OF FUNCTION 2-EP-CB-4C
ZEEBUS-LU-VB-IV	1.21E-005	12-V VITAL BUS 2-IV LOSS OF FUNCTION 2-EP-CB-4D
ZEEBUS-UM-2H	2.00E-004	4160 V BUS 2H UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H-480	2.00E-004	480 V BUS 2H UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1	2.00E-004	480 V BUS 2H1 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1-1	2.00E-004	480 V MCC 2H1-1 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1-2N	2.00E-004	480 V MCC 2H1-2N UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1-2S	2.00E-004	480 V MCC 2H1-2S UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1-3	2.00E-004	480 V MCC 2H1-3 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1-3A	2.00E-004	480 V MCC 2H1-3A UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2H1-4	2.00E-004	480 V MCC 2H1-4 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2HSTUB	2.00E-004	4160 V STUB BUS 2H UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J	2.00E-004	480 V BUS 2J UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J-480	2.00E-004	480 V BUS 2J UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J1	2.00E-004	480 V BUS 2J1 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J1-1	2.00E-004	480 V MCC 2J1-1 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J1-2	2.00E-004	480V MCC 2J1-2N & 2S UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J1-3	2.00E-004	480V MCC 2J1-3 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2J1-3A	2.00E-004	480 V MCC 2J1-3A UNSCHEDULED MAINTENANCE
ZEEBUS-UM-2JSTUB	2.00E-004	4160 V STUB BUS 2J UNSCHEDULED MAINTENANCE
ZEEBUS-UM-DB-2A	2.00E-004	SEMI VITAL DIST 2A UNSCHEDULED MAINTENANCE
ZEEBUS-UM-DB-2B	2.00E-004	SEMI VITAL DIST 2B UNSCHEDULED MAINTENANCE
ZEEBUS-UM-DC-1	2.00E-004	125 V DC BUS 2-1 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-DC-11	2.00E-004	125 V DC BUS 2-11 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-DC-111	2.00E-004	125 V DC BUS 2-111 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-DC-1V	2.00E-004	125 V DC BUS 2-1V UNSCHEDULED MAINTENANCE
ZEEBUS-UM-SVB-2A	2.00E-004	SEMI VITAL BUS 2A UNSCHEDULED MAINTENANCE
ZEEBUS-UM-SVB-2B	2.00E-004	SEMI VITAL BUS 2B UNSCHEDULED MAINTENANCE
ZEEBUS-UM-VB-1	2.00E-004	120 V VITAL BUS 2-1 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-VB-11	2.00E-004	120V VITAL BUS 2-11 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-VB-111	2.00E-004	120 V VITAL BUS 111 UNSCHEDULED MAINTENANCE
ZEEBUS-UM-VB-IV	2.00E-004	120 V VITAL BUS IV UNSCHEDULED MAINTENANCE
ZEEHS--LF-1	2.66E-005	HAND SWITCH FOR VITAL BUS 2-1 FAILS 2-VB-BP-SW-1
ZEEHS--LF-11	2.66E-005	HAND SWITCH FOR VITAL BUS 2-11 FAILS 2-VB-BP-SW-2
ZEEHS--LF-111	2.66E-005	HAND SWITCH FOR VITAL BUS 2-111 FAILS 2-VB-BP-SW-3
ZEEHS--LF-1V	2.66E-005	HAND SWITCH FOR VITAL BUS 2-1V FAILS 2-VB-BP-SW-4
ZEEINV-LU-1	6.14E-004	INVERTER 2-1 LOSS OF FUNCTION 2-VB-1-1
ZEEINV-LU-11	6.14E-004	INVERTER 2-11 LOSS OF FUNCTION 2-VB-1-2
ZEEINV-LU-111	6.14E-004	INVERTER 2-111 LOSS OF FUNCTION 2-VB-1-3
ZEEINV-LU-1V	6.14E-004	INVERTER 2-1V LOSS OF FUNCTION 2-VB-1-4
ZEEFM-LP-118	1.90E-005	TRANSFORMER 118-2 SEMI VITAL DIST 2A 480/120-240V 15KVA
ZEEFM-LP-119	1.90E-005	TRANSFORMER 119-2 SEMI VITAL DIST 2B 480/120-240V 15KVA
ZEEFM-LP-2H	1.90E-005	TRANSFORMER 2H 4160/480 V FAILS 2-EE-ST-2H
ZEEFM-LP-2H1	1.90E-005	TRANSFORMER 2H1 4160/480 V FAILS 2-EE-ST-2H1
ZEEFM-LP-2J	1.90E-005	TRANSFORMER 2J 4160/480 V FAILS 1000/1333KVA
ZEEFM-LP-2J1	1.90E-005	TRANSFORMER 2J1 4160/480 V FAILS 750KVA
ZEEFM-LP-70	1.90E-005	TRANSFORMER 70-2 SEMI VITAL BUS 2A 480-120/240V 15KVA
ZEEFM-LP-71	1.90E-005	TRANSFORMER 71-2 SEMI VITAL BUS 2B 480V/120-240V 15KV
ZEEFM-LP-79A	1.90E-005	TRANSFORMER 79A 480/120V 1PH FAILS 10KVA VOLT REG
ZEEFM-LP-79B	1.90E-005	TRANSFORMER 79B 480/120V 1PH FAILS 10KVA VOLT REG
ZEEFM-LP-80	1.90E-005	TRANSFORMER 80-2 480/120V 1PH FAILS 15KVA VOLT REG
ZEGEDG-CC-2H-2J	2.66E-004	COMMON CAUSE FAULTS EDGS 2H AND 2J
ZEGEDG-FR-2H	1.33E-002	EMERGENCY DIESEL GENERATOR 2H FAILS TO RUN FOR 6 HOURS
ZEGEDG-FR-2J	1.33E-002	EMERGENCY DIESEL GENERATOR 2J FAILS TO RUN FOR 6 HOURS
ZEGEDG-FS-2H	1.43E-002	EMERGENCY DIESEL GENERATOR 2H FAILS TO START
ZEGEDG-FS-2J	1.43E-002	EMERGENCY DIESEL GENERATOR 2J FAILS TO START
ZEGEDG-TM-2H	5.71E-004	EDG 2H UNAVAILABLE DUE TO SCHEDULED TEST OR MAINTENANCE
ZEGEDG-TM-2J	5.71E-004	EDG 2J UNAVAILABLE DUE TO SCHEDULED TEST OR MAINTENANCE
ZEGEDG-UM-2H	1.07E-001	EDG 2H UNAVAILABLE DUE TO UNSCHEDULED MAINTENANCE
ZEGEDG-UM-2J	1.07E-001	EDG 2J UNAVAILABLE DUE TO UNSCHEDULED MAINTENANCE
ZEPBKR-FC-25A2	1.83E-003	BREAKER 25A2 FAILS CLOSED, WILL NOT OPEN 4160 V
ZEPBKR-FC-25B2	1.83E-003	BREAKER 25B2 FAILS CLOSED, WILL NOT OPEN 4160 V
ZEPBKR-FC-25C2	1.83E-003	BREAKER 25C2 FAILS CLOSED, WILL NOT OPEN 4160 V

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
2EPBKR-FO-24A1-8	2.74E-004	BREAKER 24A1-8 FAILS OPEN, WILL NOT CLOSE 480 V
2EPBKR-FO-24B1-8	2.74E-004	BREAKER 24B1-8 FAILS OPEN, WILL NOT CLOSE 480 V
2EPBKR-FO-24C1-8	2.74E-004	BREAKER 24C1-8 FAILS OPEN, WILL NOT CLOSE 480 V
2EPBKR-FO-25A1	2.74E-004	BREAKER 25A1 FAILS OPEN, WILL NOT CLOSE 4160 V
2EPBKR-FO-25B1	2.74E-004	BREAKER 25B1 FAILS OPEN, WILL NOT CLOSE 4160 V
2EPBKR-FO-25B10	2.74E-004	BREAKER 25B10 FAILS OPEN, WILL NOT CLOSE 4160 V
2EPBKR-FO-25C1	2.74E-004	BREAKER 25C1 FAILS OPEN, WILL NOT CLOSE 4160 V
2EPBKR-SO-24A1-1	3.36E-005	BREAKER 24A1-1 SPURIOUSLY OPENS 480 V
2EPBKR-SO-24A215	3.36E-005	BREAKER 24A2-15 SPURIOUSLY OPENS 480 V
2EPBKR-SO-24B1-1	3.36E-005	BREAKER 24B1-1 SPURIOUSLY OPENS 480 V
2EPBKR-SO-24B215	3.36E-005	BREAKER 24B2-15 SPURIOUSLY OPENS 480 V
2EPBKR-SO-24C1-1	3.36E-005	BREAKER 24C1-1 SPURIOUSLY OPENS 480 V
2EPBKR-SO-24C215	3.36E-005	BREAKER 24C2-15 SPURIOUSLY OPENS 480 V
2EPBKR-SO-25A1	3.36E-005	BREAKER 25A1 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25A7	3.36E-005	BREAKER 25A7 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25B1	3.36E-005	BREAKER 25B1 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25B7	3.36E-005	BREAKER 25B7 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25C1	3.36E-005	BREAKER 25C1 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25C7	3.36E-005	BREAKER 25C7 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25G1	3.36E-005	BREAKER 25G1 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25G5	3.36E-005	BREAKER 25G5 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-25G9	3.36E-005	BREAKER 25G9 SPURIOUSLY OPENS 4160 V
2EPBKR-SO-2G11A3	3.36E-005	BREAKER A3 ON 2G1-1 SPURIOUSLY OPENS 480 V
2EPBKR-SO-2G2-7B	3.36E-005	BREAKER 7B ON 2G2 SPURIOUSLY OPENS 480 V
2EPBUS-LU-2A	1.21E-005	4160 V BUS 2A1 LOSS OF FUNCTION 2-EP-SW-1
2EPBUS-LU-2A1	1.21E-005	480 V BUS 2A1 LOSS OF FUNCTION 1-EP-SS-3
2EPBUS-LU-2A2	1.21E-005	480 V BUS 2A2 LOSS OF FUNCTION 2-EP-SS-6
2EPBUS-LU-2B	1.21E-005	160 V BUS 2B LOSS OF FUNCTION 2-EP-SW-2
2EPBUS-LU-2B1	1.21E-005	480 V BUS 2B1 LOSS OF FUNCTION 2-EP-SS-5
2EPBUS-LU-2B2	1.21E-005	480 V BUS 2B2 LOSS OF FUNCTION 2-EP-SS-8
2EPBUS-LU-2C	1.21E-005	4160 V BUS 2C LOSS OF FUNCTION 2-EP-SW-3
2EPBUS-LU-2C1	1.21E-005	480 V BUS 2C1 LOSS OF FUNCTION 1-EP-SS-7
2EPBUS-LU-2C2	1.21E-005	480 V BUS 2C2 LOSS OF FUNCTION 2-EP-SS-4
2EPBUS-LU-2G	1.21E-005	4160V INTAKE BUS 2G LOSS OF FUNCTION
2EPBUS-LU-2G1-1	1.21E-005	480 V MCC 2G1-1 LOSS OF FUNCTION 2-EP-MC-34 & 35
2EPBUS-LU-2G2	1.21E-005	480 V BUS 2G2 LOSS OF FUNCTION 2-EP-SS-9
2EPBUS-UM-2A1	2.00E-004	480 V BUS 2A1 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2A2	2.00E-004	480 V BUS 2A2 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2B1	2.00E-004	480 V BUS 2B1 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2B2	2.00E-004	480 V BUS 2B2 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2C1	2.00E-004	480 V BUS 2C1 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2C2	2.00E-004	480 V BUS 2C2 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2G	2.00E-004	4160V INTAKE BUS 2G UNSCHEDULED MAINTENANCE
2EPBUS-UM-2G1-1	2.00E-004	480 V MCC 2G1-1 UNSCHEDULED MAINTENANCE
2EPBUS-UM-2G2	2.00E-004	480 V BUS 2G2 UNSCHEDULED MAINTENANCE
2EPTFM-LP-2A1	1.90E-005	TRANSFORMER 2A1 4160/480 V FAILS
2EPTFM-LP-2A2	1.90E-005	TRANSFORMER 2A2 4160/480 V FAILS
2EPTFM-LP-2B1	1.90E-005	TRANSFORMER 2B1 4160/480 V FAILS
2EPTFM-LP-2B2	1.90E-005	TRANSFORMER 2B2 4160/480 V FAILS
2EPTFM-LP-2C1	1.90E-005	TRANSFORMER 2C1 4160/480 V FAILS
2EPTFM-LP-2C2	1.90E-005	TRANSFORMER 2C2 4160/480 V FAILS
2EPTFM-LP-2G1-1	1.90E-005	TRANSFORMER 2G1-1 4160/480 V FAILS 2-EP-ST-2G1
2EPTFM-LP-2G2	1.90E-005	TRANSFORMER 2G2 4160/480 V FAILS 2-EP-ST-2G2
2HVACU-LF-2HVAC6	3.42E-005	STDBY AHU 2-HV-AC-6 LOSS OF FUNCTION IN 24 HR MISSION
2HVACU-LF-2HVAC7	3.42E-005	OPER AHU 2-HV-AC-7 LOSS OF FUNCTION IN 24 HR MISSION
2HVACU-UM-2HVAC6	1.65E-003	STDBY AHU 2-HV-AC-6 UNSCHEDULED MAINTENANCE
2HVCHU-CC-HVE4	4.55E-003	COMMON CAUSE FAULT 2-HV-E-4B & 4C FAIL TO START
2HVCHU-FR-2HVE4A	1.51E-003	OPERATING 2-HV-E-4A FAILS TO RUN FOR 24 HOUR MISSION
2HVCHU-FR-2HVE4B	1.51E-003	SPARE 2-HV-E-4B FAILS TO RUN FOR 24 HOUR MISSION
2HVCHU-FR-2HVE4C	1.51E-003	STANDBY 2-HV-E-4C FAILS TO RUN FOR 24 HOUR MISSION
2HVCHU-FS-2HVE4B	4.55E-002	SPARE CHILLER 2-HV-E-4B FAILS TO START
2HVCHU-FS-2HVE4C	4.55E-002	STANDBY CHILLER 2-HV-E-4C FAILS TO START
2HVCHU-UM-2HVE4B	9.44E-002	SPARE 2-HV-E-4B CHILLER TRAIN UNSCHED MAINTENANCE

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
2HVCHU-UM-2HVE4C	9.44E-002	STANDBY 2-HV-E-4C CHILLER TRAIN UNSCHED MAINTENANCE
2HVCHU-UM-HVE4BC	2.26E-003	2-HV-E-4B & 4C DUAL CHILLER TRAIN UNSCHED MAINTENANCE
2HVCKV-CC-187211	6.34E-005	COMMON CAUSE FAULT CKVS 2-CD-187 & 211 FAILS CLOSED
2HVFAN-FR-2FM06	1.36E-004	STDBY AHU 2-HV-AC-6 FAN MOTOR FAILS TO RUN 24 HR MISSION
2HVFAN-FR-2FM07	1.36E-004	OPER AHU 2-HV-AC-7 FAN MOTOR FAILS TO RUN 24 HR MISSION
2HVFAN-FS-2FM06	3.93E-003	STDBY AHU 2-HV-AC-6 FAN MOTOR FAILS TO START
2HVMOD-FC-MOD237	1.09E-002	STDBY AHU 2-HV-AC-6 2-HV-MOD-237 FAILS CLOSED
2HVMO-FO-MOD238	1.09E-002	AIR FLOW DIVERSION 2-HV-MOD-238 FAILS OPEN
2HVMO-SC-MOD237	1.21E-005	STDBY AHU 2-HV-AC-6 2-HV-MOD-237 SPURIOUS CLOSURE
2HVMO-SC-MOD238	1.21E-005	OPER AHU 2-HV-AC-7 2-HV-MOD-238 SPURIOUS CLOSURE
2HVMOV-CC-HV211	3.90E-004	COMMON CAUSE FAULT 2-HV-MOV-211B & 211C FAIL CLOSED
2HVMOV-CC-HV213	3.90E-004	COMMON CAUSE FAULT 2-HV-MOV-213B & 213C FAIL CLOSED
2HVMOV-FC-211B	1.09E-002	MOTOR OPERATD VALVE 2-HV-MOV-211B FAILS CLOSED
2HVMOV-FC-211C	1.09E-002	MOTOR OPERATD VALVE 2-HV-MOV-211C FAILS CLOSED
2HVMOV-FC-213B	1.09E-002	MOTOR OPERATD VALVE 2-HV-MOV-213B FAILS CLOSED
2HVMOV-FC-213C	1.09E-002	MOTOR OPERATD VALVE 2-HV-MOV-213C FAILS CLOSED
2HVMOV-SC-211A	1.21E-005	MOTOR OPERATD VALVE 2-HV-MOV-211A SPURIOUS CLOSURE
2HVMOV-SC-213A	1.21E-005	MOTOR OPERATD VALVE 2-HV-MOV-213A SPURIOUS CLOSURE
2HVMV--FC-2CD207	1.25E-004	MANUAL VALVE 2-CD-207 FAILS CLOSED
2HVMV--FC-2CD218	1.25E-004	MANUAL VALVE 2-CD-218 FAILS CLOSED
2HVPAT-CC-HVP20	1.98E-004	COMMON CAUSE FAULT 2-HV-P-20B & 20C FAIL TO START
2HVPAT-CC-HVP22	1.98E-004	COMMON CAUSE FAULT 2-HV-P-22B & 22C FAIL TO START
2HVPAT-FR-HVP20A	7.93E-004	MOTOR DRIVEN PUMP 2-HV-P-20A FAILS TO RUN 24 HOUR MISSION
2HVPAT-FR-HVP20B	7.93E-004	MOTOR DRIVEN PUMP 2-HV-P-20B FAILS TO RUN 24 HOUR MISSION
2HVPAT-FR-HVP20C	7.93E-004	MOTOR DRIVEN PUMP 2-HV-P-20C FAILS TO RUN 24 HOUR MISSION
2HVPAT-FR-HVP22A	7.93E-004	MOTOR DRIVEN PUMP 2-HV-P-22A FAILS TO RUN 24 HOUR MISSION
2HVPAT-FR-HVP22B	7.93E-004	MOTOR DRIVEN PUMP 2-HV-P-22B FAILS TO RUN 24 HOUR MISSION
2HVPAT-FR-HVP22C	7.93E-004	MOTOR DRIVEN PUMP 2-HV-P-22C FAILS TO RUN 24 HOUR MISSION
2HVPAT-FS-HVP20B	1.98E-003	MOTOR DRIVEN PUMP 2-HV-P-20B FAILS TO START
2HVPAT-FS-HVP20C	1.98E-003	MD ALT PUMP 2-HV-P-22C FAILS TO START
2HVPAT-FS-HVP22B	1.98E-003	MOTOR DRIVEN PUMP 2-HV-P-22B FAILS TO START
2HVPAT-FS-HVP22C	1.98E-003	MOTOR DRIVEN PUMP 2-HV-P-22C FAILS TO START
2HVPCV-CC-2235	1.81E-003	COMMON CAUSE FAULT 2-HV-PCV-2235B1 & 1235C1 FAIL CLOSED
2HVPCV-FC-2235B1	1.81E-002	PRESS CONTROL VALVE 2-HV-PCV-2235B-1 FAILS CLOSED
2HVPCV-FC-2235C1	1.81E-002	PRESS CONTROL VALVE 2-HV-PCV-2235C-1 FAILS CLOSED
2HVPCV-SC-2235A1	1.21E-005	PRESS CONTROL VALVE 2-HV-PCV-2235A-1 SPURIOUS CLOSURE
2HVPCV-SC-2235A2	1.21E-005	PRESS CONTROL VALVE 2-HV-PCV-2235A-2 SPURIOUS CLOSURE
2HVPCV-SC-2235B1	1.21E-005	PRESS CONTROL VALVE 2-HV-PCV-2235B-1 SPURIOUS CLOSURE
2HVPCV-SC-2235B2	1.21E-005	PRESS CONTROL VALVE 2-HV-PCV-2235B-2 SPURIOUS CLOSURE
2HVPCV-SC-2235C1	1.21E-005	PRESS CONTROL VALVE 2-HV-PCV-2235C-1 SPURIOUS CLOSURE
2HVPCV-SC-2235C2	1.21E-005	PRESS CONTROL VALVE 2-HV-PCV-2235C-2 SPURIOUS CLOSURE
2HVSTR-PG-2HVS1B	9.53E-003	SW STRAINER 2-HV-S-1B PLUGGED DURING STANDBY
2HVSTR-PL-2HVS1A	6.39E-004	SW STRAINER 2-SW-S-1A PLUGGED DURING MISSION
2HVSV--SO-2200	9.33E-005	RELIEF VALVE 2-HV-SV-2200 SPURIOUS OPENING
2HVSV--SO-2201	9.33E-005	RELIEF VALVE 2-HV-SV-2201 SPURIOUS OPENING
2HVSV--SO-2202A	9.33E-005	RELIEF VALVE 2-HV-RV-2202A SPURIOUS OPENING
2HVSV--SO-2202B	9.33E-005	RELIEF VALVE 2-HV-RV-2202B SPURIOUS OPENING
2HVSV--SO-2202C	9.33E-005	RELIEF VALVE 2-HV-RV-2202C SPURIOUS OPENING
2HVSV--SO-2205A	9.33E-005	RELIEF VALVE 2-HV-RV-2205A SPURIOUS OPENING
2HVSV--SO-2205B	9.33E-005	RELIEF VALVE 2-HV-RV-2205B SPURIOUS OPENING
2HVSV--SO-2205C	9.33E-005	RELIEF VALVE 2-HV-RV-2205C SPURIOUS OPENING
2HVTCV-FC-TCV266	1.81E-002	STDBY AHU 2-HV-AC-6 2-HV-TCV-266 FAILS CLOSED
2HVTCV-SC-TCV266	1.21E-005	OPER AHU 2-HV-AC-7 2-HV-TCV-267 SPURIOUS CLOSURE
2HVTCV-SC-TCV267	1.21E-005	OPER AHU 2-HV-AC-7 2-HV-TCV-267 SPURIOUS CLOSURE
2IAIAS-LF-OUT1A	2.52E-004	OUTSIDE CONTAINMENT INSTRUMENT AIR SYS LOSS OF FUNCTION
2SWCKV-CC-306337	6.34E-005	COMMON CAUSE FAULT CKVS 2-SW-306 & 337 FAILS CLOSED
2SWCKV-CC-322353	6.34E-005	COMMON CAUSE FAULT CKVS 2-SW-322 & 353 FAILS CLOSED
2SWCKV-FC-2SW10	6.34E-004	CHECK VALVE FAILS CLOSED 2-SW-10
2SWCKV-FC-2SW306	6.34E-004	CHECK VALVE 2-SW-306 FAILS CLOSED
2SWCKV-FC-2SW322	6.34E-004	CHECK VALVE 2-SW-322 FAILS CLOSED
2SWCKV-FC-2SW337	6.34E-004	CHECK VALVE 2-SW-337 FAILS CLOSED
2SWCKV-FC-2SW353	6.34E-004	CHECK VALVE 2-SW-353 FAILS CLOSED
2SWCKV-FO-2SW10	3.44E-003	CHECK VALVE FAILS OPEN 2-SW-10



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
2SWMOV-FC-215A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 2-SW-MOV-215A
2SWMOV-FC-215B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 2-SW-MOV-215B
2SWMOV-FC-220A	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 2-SW-MOV-220A
2SWMOV-FC-220B	1.09E-002	MOTOR OPERTD VALVE FAILS CLOSED 2-SW-MOV-220B
2SWMOV-SC-221A	1.21E-005	2-SW-MOV-221A SPURIOUS CLOSED DURING MISSION
2SWMOV-SC-221B	1.21E-005	2-SW-MOV-221B SPURIOUS CLOSED DURING MISSION
2SWMOV-SC-222A	1.21E-005	2-SW-MOV-222A SPURIOUS CLOSED DURING MISSION
2SWMOV-SC-222B	1.21E-005	2-SW-MOV-222B SPURIOUS CLOSED DURING MISSION
2SWMV--FC-2SW11	1.25E-004	MANUAL VALVE FAILS CLOSED 2-SW-11
2SWMV--FC-2SW302	1.25E-004	MANUAL VALVE 2-SW-302 FAILS CLOSED
2SWMV--FC-2SW305	1.25E-004	MANUAL VALVE 2-SW-305 FAILS CLOSED
2SWMV--FO-2SW13	1.25E-004	MANUAL VALVE FAILS OPEN 2-SW-13
2SWMV--PG-2SW13	4.50E-005	N.O. MANUAL VALVE 2-SW-13 PLUGGED DURING STANDBY
2SWPAT-FR-2SWP1B	7.93E-004	MD ALT PUMP 2-SW-P-1B FAILS TO RUN
2SWPAT-FS-2SWP1B	3.84E-003	MD ALT PUMP 2-SW-P-1B FAILS TO START
2SWPAT-UM-2SWP1B	3.72E-002	MD ALT PUMP 2-SW-P-1B UNSCHLD MAINT.
C-B01	5.20E-001	COMPLEMENT FOR NON-REC-B01 USED IN T1A
C-B02	6.60E-001	COMPLEMENT FOR NON-REC-B02 USED IN T1A
C-B102	3.20E-001	COMPLEMENT FOR NON-REC-B102 USED IN T1A
C-B103	3.20E-001	COMPLEMENT FOR NON-REC-B103 USED IN T1A
C-B111	3.20E-001	COMPLEMENT FOR NON-REC-B111 USED IN T1A
C-B117	3.20E-001	COMPLEMENT FOR NON-REC-B117 USED IN T1A
C-CHFLD	1.00E-015	COMPLEMENT FOR CONT HEAT REMOVAL DUE TO FLOODING
C-D102	9.40E-001	COMPLEMENT FOR D102 USED IN T1 AND T1TR
C-D105	9.47E-001	COMPLEMENT FOR D105 USED IN T1A, T2, T2A T3, T2ATR, T2Tr, T3Tr
C-D304	8.80E-001	COMPLEMENT FOR D304 USED IN T1
C-FM01	4.80E-002	COMPLEMENT FOR FM01 USED IN S2 AND VX
C-H103	9.61E-001	COMPLEMENT FOR H103 USED IN T5A
C-H104	9.62E-001	COMPLEMENT FOR H104 USED IN T5B
C-H105	9.49E-001	COMPLEMENT FOR H105 USED IN T9A & T9ATR
C-H106	9.36E-001	COMPLEMENT FOR H106 USED IN T9B & T9BTR
C-HV05	7.49E-001	COMPLEMENT FOR HV05 USED IN T9A
C-L08	8.41E-001	COMPLEMENT FOR L08 USED IN T7
C-LT01	9.07E-001	COMPLEMENT FOR LT01 USED IN T1A, T6, T8 AND Tr TREES
C-M03	7.06E-001	COMPLEMENT FOR M03 USED IN TH
C-O01	1.00E-015	COMPLEMENT FOR O01 USED IN S1 AND VX
C-O05	6.13E-001	COMPLEMENT FOR O05 USED IN T4
C-P01	1.00E+000	COMPLEMENT FOR P01 USED IN S2, T1A, T2, T2A, T3 & T7
C-P02	9.87E-001	COMPLEMENT FOR P02 USED IN T1
C-P03	9.87E-001	COMPLEMENT FOR P03 USED IN T1
C-PR01	7.22E-001	COMPLEMENT FOR PR01 USED IN TH
C-Q08	1.00E-015	COMPLEMENT FOR Q08 USED IN TH
C-QS03	9.46E-001	COMPLEMENT FOR QS03 USED IN T5A
C-QS04	9.46E-001	COMPLEMENT FOR QS04 USED IN T5B
C-QS05	9.46E-001	COMPLEMENT FOR QS05 USED IN T9A
C-QS06	9.46E-001	COMPLEMENT FOR QS06 USED IN T9B
C-RC301	8.75E-001	COMPLEMENT FOR RC301 USED IN T6
C-RC303	8.75E-001	COMPLEMNT FOR RC303 USED IN T8 & TR FOR T1 T2 T2A T3 T9A & B
C-SG101	9.89E-001	COMPLEMENT FOR SG101 USED IN T7
C-SPRAY	7.50E-001	COMP FOR SPRAY SPRAY OPERABLE FRACTION
C-TT01	8.00E-001	COMPLEMENT FOR TT01 USED IN TH
C-V101	1.00E-015	COMPLEMENT FOR V101 USED IN VX
C-Y01	1.00E-015	COMPLEMENT FOR Y01 USED IN S1
C-Y02	9.80E-001	COMPLEMENT FOR Y02 USED IN S2
C-Y03	8.98E-001	COMPLEMENT FOR Y03 USED IN T1
C-Y04	9.85E-001	COMPLEMENT FOR Y04 USED IN T4
CHFLD	1.00E+000	FAILURE OF CHR DUE TO FLOODING
HEP-OAP10	5.27E-003	0-AP-10 LOSS OF ELECTRICAL POWER
HEP-OAP12-10HR	4.95E-003	0-AP-12 LOSS OF SERVICE WATER RECOVERY IN 10 HR
HEP-OAP12-20HR	2.60E-004	0-AP-12 LOSS OF SERVICE WATER RECOVERY IN 20 HR
HEP-OAP12-30HR	6.57E-003	0-AP-12 LOSS OF SERVICE WATER WITH RECOVERY IN 30 HR
HEP-OAP12-40HR	1.25E-001	0-AP-12 LOSS OF SERVICE WATER WITH RECOVERY IN 40 HR
HEP-OAP12-ATTCH4	1.61E-004	0-AP-12 LOSS OF SW ATTACHMENT 4: TWO PUMPS ON ONE HEADER



**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
HEP-OAP55-10HR	4.95E-003	0-AP-55 LOSS OF MCR/ESGR HVAC RECOVERY IN 10 HR
HEP-OAP55-20HR	2.60E-004	0-AP-55 LOSS OF MCR/ESGR HVAC RECOVERY IN 20 HR
HEP-OAP55-30HR	6.57E-003	0-AP-55 LOSS OF MCR /ESGR HVAC RECOVERY IN 30 HOUR
HEP-OAP55-40HR	1.25E-001	0-AP-55 LOSS OF SERVICE WATER WITH RECOVERY IN 40 HR
HEP-OOP49:4A	6.26E-002	0-OP-49.4A VALVE CHECKOFF MCR A/C SERVICE WATER
HEP-1AP15-1E	7.80E-004	1-AP-15 LOSS OF CC STEP 1E RESTORE SW TO CC HEAT EXCHANGR
HEP-1AP15-6	2.81E-002	1-AP-15 LOSS OF CC STEP 6 CROSS TIE CC IF UNIT 2 AVAILABLE
HEP-1AP22:5	1.75E-004	1-AP-22.5 LOSS OF EMERGENCY CONDENSATE STORAGE TANK
HEP-1AP33:1	3.87E-001	1-AP-33.1 REACTOR COOLANT PUMP SEAL FAILURE
HEP-1AP49	1.34E-002	1-AP-49 LOSS OF NORMAL CHARGING
HEP-1E0-1	1.35E-003	1-E-0 RX TRIP OR SI STEP 1 VERIFY REACTOR TRIP
HEP-1E0-11	1.35E-003	1-E-0 RX TRIP OR SI STEP 11 VERIFY SW PUMPS RUNNING
HEP-1E0-12	1.35E-003	1-E-0 RX TRIP OR SI STEP 12 MAIN STEAM LINES ISOLATION
HEP-1E0-13	1.35E-003	1-E-0 RX TRIP OR SI STEP 13 CHECK IF CDA IS REQUIRED
HEP-1E0-14	1.00E+000	1-E-0 RX TRIP OR SI STEP 14 VERIFY SI FLOW
HEP-1E0-15	1.07E-003	1-E-0 RX TRIP OR SI STEP 15 VERIFY AUX FEEDWATER FLOW
HEP-1E0-16	8.00E-003	1-E-0 RX TRIP OR SI STEP 16 CHARGING PUMP ALIGNMENT
HEP-1E0-22	1.88E-002	1-E-0 RX TRIP OR SI STEP 22 PRZR PORVS SPRAY VALVES CLOSED
HEP-1E0-7	1.35E-003	1-E-0 RX TRIP OR SI STEP 7 VERIFY SI PUMPS RUNNING
HEP-1E0-8	1.35E-003	1-E-0 RX TRIP OR SI STEP 8 VERIFY MAIN FEEDWATER ISOLATION
HEP-1E0-ATTACH:1	7.70E-003	1-E-0 RX TRIP OR SI ATTACHMENT 1 VERIFY PHASE B ISOLATION
HEP-1E1-25	1.17E-002	1-E-1 LOSS OF RX OR 2ND COOLANT STEP 25 REDUNDANT COLD LEG
HEP-1E3-13	2.18E-002	1-E-3 SGTR STEP 13 INITIATE RCS COOLDOWN
HEP-1E3-3	3.65E-003	1-E-3 SGTR STEP 3 ISOLATE FLOW FROM RUPTURED S/G
HEP-1ECA3:1-16	3.02E-003	1-ECA-3.1 SGTR WITH SUBCOOLED RCS STEP 16 COOLDOWN
HEP-1ECA3:2-5	7.25E-004	1-ECA-3.2 SGTR WITH SATURATED RCS STEP 5 COOLDOWN
HEP-1ECA3:3-27	8.97E-002	1-ECA-3.3 SGTR & NO PRESSURE CONTROL STEP 27 COOLDOWN
HEP-1ECA3:3-35	4.92E-003	1-ECA-3.3 SGTR & NO PRESSURE CONTROL STEP 35 LATE COOLDN
HEP-1ES1:2-S1	1.00E+000	1-ES-1.2 POST LOCA COOLDOWN AND DEPRESSURIZATION S1
HEP-1ES1:2-S2	8.50E-004	1-ES-1.2 POST LOCA COOLDOWN AND DEPRESSURIZATION S2
HEP-1ES1:3	1.22E-002	1-ES-1.3 TRANSFER TO COLD LEG RECIRCULATION
HEP-1ES1:4	8.50E-004	1-ES-1.4 TRANSFER TO HOT LEG RECIRCULATION
HEP-1FRC:1-11-S1	1.00E+000	1-FR-C.1 INADEQUATE CORE COOLING STEP11 DEPRESSURE S/GS S1
HEP-1FRC:1-11-S2	1.06E-002	1-FR-C.1 INADEQUATE CORE COOLING STEP11 DEPRESSURE S/GS S2
HEP-1FRH:1-11	4.82E-002	1-FR-H.1 LOSS OF HEAT SINK STEP 11 RCS FEED PATH
HEP-1FRH:1-15	8.25E-003	1-FR-H.1 LOSS OF HEAT SINK STEP 15 RCS BLEED PATH
HEP-1FRH:1-5	3.12E-003	1-FR-H.1 LOSS OF HEAT SINK STEP 5 CHECK S/G LEVELS
HEP-1FRS:1-4	7.60E-003	1-FR-S.1 ATWS STEP 4 INITIATE EMERGENCY BORATE
HEP-1FRS:1-5	2.97E-002	1-FR-S.1 ATWS STEP 5 DO ATTACH 2 REMOTE REACTOR TRIP
HEP-1OP14:1-5:13	4.26E-003	1-OP-14.1 RHR STEP 5.13, OPEN MOV-1700 & MOV-1701
HEP-1OP21:6	1.05E-003	1-OP-21.6 MCR AND RELAY ROOM AIR CONDITIONING
HEP-1OP49:1	1.33E-001	1-OP-49.1 STARTUP AND SHUTDOWN OF THE SERVICE WATER SYSTM
HEP-NO-PROCEDURE	1.00E+000	NO PROCEDURE FOR THIS OPERATOR ACTION
IE-A	5.00E-004	IE FREQUENCY LARGE LOCA
IE-RX	2.66E-007	IE FREQUENCY REACTOR VESSEL RUPTURE
IE-S1	1.00E-003	IE FREQUENCY MEDIUM LOCA
IE-S2	2.10E-002	IE FREQUENCY SMALL LOCA
IE-T1	1.14E-001	IE FREQUENCY LOSS OF OFFSITE POWER
IE-T2	5.00E-002	IE FREQUENCY NON-RECOVERABLE LOSS OF MFW
IE-T2A	5.50E-001	IE FREQUENCY RECOVERABLE LOSS OF MFW
IE-T3	1.35E+000	IE FREQUENCY TRANSIENT WITH MFW AVAILABLE
IE-T4	6.00E-007	IE FREQUENCY LOSS OF RC PUMP SEAL COOLING
IE-T5A	6.00E-003	IE FREQUENCY LOSS OF DC BUS 1-1
IE-T5B	6.00E-003	IE FREQUENCY LOSS OF DC BUS 1-111
IE-T6	6.27E-006	IE FREQUENCY LOSS OF SERVICE WATER
IE-T7	1.00E-002	IE FREQUENCY STEAM GENERATOR TUBE RUPTURE
IE-T8	6.58E-003	IE FREQ, LOSS OF EMER SWITCHGEAR ROOM COOLING
IE-TH	1.75E+000	IE FREQ, TRANSIENT AT/ABOVE 40 PERCENT POWER FOR ATWS
IE-TL	3.50E-001	IE FREQ, TRANSIENT BELOW 40 PERCENT POWER FOR ATWS
IE-VX	1.60E-006	IE FREQUENCY INTERFACING LOCA OUTSIDE CONTAINMENT
IEFAB2	1.00E-004	IE FREQ FOR FLOOD IN AUX BUILDING FROM SW PIPING COMP
IEFAB4	6.20E-007	IE FREQ FOR FLOOD IN AUX BUILDING DUE TO RWST PIPE BREAK
IEFAC1	5.60E-004	IE FREQ FOR FLOOD IN CHILLER ROOM

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
IS	3.80E-008	INITIATING EVENT FREQUENCY FOR CD SEQS W/ NO BYPASS
ISOL	3.80E-008	INITIATING EVENT FREQUENCY FOR CD SEQS W/ NO BYPASS
NON-REC-B01	4.80E-001	T1A NON-RECOVERY OF AC POWER IN 0.6 HR BEFORE CORE MELT
NON-REC-B02	3.40E-001	T1A NON-RECOVERY OF AC POWER IN 1.5 HR BEFORE CORE MELT
NON-REC-B10	2.00E-002	T1A NON-RECOVERY OF AC POWER IN 10 HR BEFORE CORE MELT
NON-REC-B102	6.80E-001	T1A NON-REC OF AC IN 1.6 HR AFTER B01 BEFORE VESSEL FAIL
NON-REC-B103	6.80E-001	T1A NON-REC OF AC IN 2.5 HR AFTER B02 BEFORE VESSEL FAIL
NON-REC-B111	6.80E-001	T1A NON-REC OF AC IN 11.4 HR AFTR B10 BEFORE VESSEL FAIL
NON-REC-B117	6.80E-001	T1A NON-REC OF AC IN 12.2 HR AFTR B16 BEFORE VESSEL FAIL
NON-REC-B16	7.50E-003	T1A NON-RECOVERY OF AC POWER IN 11.2 HR BEFORE CORE MELT
NON-REC-B20	2.50E-004	T1TR NON-RECOVERY AC POWER IN 20 HR BEFORE CORE MELT
NON-REC-B220	9.00E-004	T1A NON-REC OF AC IN 20 HR AFTER B102 BEFORE CONT FAILURE
NON-REC-B221	9.00E-004	T1A NON-REC OF AC IN 21 HR AFTER B103 BEFORE CONT FAILURE
NON-REC-B229	9.00E-004	T1A NON-REC OF AC IN 29 HR AFTER B111 BEFORE CONT FAILURE
NON-REC-B235	9.00E-004	T1A NON-REC OF AC IN 30 HR AFTER B117 BEFORE CONT FAILURE
PROB-CHFLD	1.00E+000	CONT HEAT REMOVAL LOST IN FLOOD
PROB-D104A	6.00E-002	T1A, PROB SEAL LOCA IN PROGRESS WHEN AC POWER IS RECOVERED
PROB-FM01	9.52E-001	S2 VERY SMALL LOCA PROBABILITY GIVEN S2 HAS OCCURRED
PROB-M03	2.94E-001	LOSS OF MAIN FW PROBABILITY GIVEN TH ATWS HAS OCCURED
PROB-PR01	2.78E-001	PROBABILITY OF UET (UNFAV EXP TIME) M1 POWER ATWS
PROB-Q08	1.00E+000	RCS INTEGRITY LOSS RCS PRESS > 3200PSI TH ATWS W/O FW/TT
PROB-VI01	1.00E+000	NON ISOLATION PROB AFTER ISLOCA
REC-OMOP26:64	5.42E-002	0-MOP-26.64 SWITCHYARD WALK DOWN & RESTORATION
REC-OOP21:6	1.69E-003	0-OP-21.6 MCR AND RELAY ROOM AIR CONDITIONING
REC-OOP26:10	1.76E-003	0-OP-26.10 480 VOLT BREAKER OPERATION
REC-1AP28	1.02E-001	1-AP-28 LOSS OF INSTRUMENT AIR
REC-1ES1:2	2.66E-003	1-ES-1.2 POST LOCA DEPRESSURIZATION AND COOLDOWN
REC-1ES1:4-1	1.04E-001	1-ES-1.4 MOT LEG RECIRC STEP 1 OPEN 1-S1-MOV-1890A & B
REC-1FRH:1-4	1.13E-002	1-FR-H.1 LOSS OF HEAT SINK STEP 4 MAIN FEEDWATER
REC-1MOP6:70	5.42E-002	1-MOP-6.70 1H EMERGENCY BUS MAINTENANCE
REC-1MOP6:71	5.42E-002	1-MOP-6.71 1J EMERGENCY BUS MAINTENANCE
REC-1OP14:1	1.04E-001	1-OP-14.1 RHR RECOVERY
REC-2AP28	1.02E-001	2-AP-28 LOSS OF INSTRUMENT AIR
REC-2MOP6:70	5.42E-002	2-MOP-6.70 2H EMERGENCY BUS MAINTENANCE
REC-B12AVE	1.06E-001	TIME AVERAGED NON- RECOVERY OF AC POWER IN 12 HOURS
REC-CONTAINMENT	2.00E-002	RECOVER SEQUENCES CONTAINMENT HAS FAILED NO CORE MELT
REC-FW-RECIRC	1.00E-001	REVISED PROCEDURES TO VERIFY FW RECIRC HAS BEEN CLOSED
REC-MMP-C-MR-2	2.51E-001	MMP-C-MR-2 TROUBLE SHOOTING & REPAIR MCR CHILLER UNITS
REC-QS-FLANGE	2.32E-002	REVISED PROCEDURES TO VERIFY QS FLANGE HAS BEEN REMOVED
REC-RS-FLANGE	2.32E-002	REVISED PROCEDURES TO VERIFY RS FLANGE HAS BEEN REMOVED
REC-SCREEN-TURNS	1.00E-001	SW RESERVOIR TRAVELING SCREEN AUTO ROTATES & WASH
SPRAY	2.50E-001	SPRAY FAILURE FRACTION
T9A-FREQ-4160-1H	6.00E-003	FREQUENCY OF LOSS OF 1H 4160 VAC BUS BUS FAULT
T9A-FREQ-500KV-1	1.79E-001	FREQUENCY OF 500KV BUS 1 FAULT CAUSING LOSS OF PWR 1H 4160
T9A-FREQ-RSST-C	7.14E-002	FREQUENCY OF RSST C FAULT RESULTING IN LOSS OF PWR 1H 4160
T9B-FREQ-4160-1J	6.00E-003	FREQUENCY OF LOSS OF 1J 4160 VAC BUS BUS FAULT
T9B-FREQ-500KV-2	1.79E-001	FREQUENCY OF 500KV BUS 2 FAULT CAUSING LOSS OF PWR 1J 4160
T9B-FREQ-RSST-A	7.14E-002	FREQUENCY OF RSST A FAULT RESULTING IN LOSS OF PWR 1J 4160
XHOS-1-OF-2-SG	0.00E+000	HOUSE EVENT TO SELECT FLOW TO 1 OF 2 SG's
XHOS-1-OF-3-SG	1.00E+000	HOUSE EVENT TO SELECT FLOW TO 1 OF 3 SG's
XHOS-1H-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL 4160 V BUS 1H NORMALLY = 0
XHOS-1J-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL 4160 V BUS 1J NORMALLY = 0
XHOS-2-OF-2-SG	0.00E+000	HOUSE EVENT TO SELECT FLOW TO 2 OF 2 SG's
XHOS-2-OF-3-SG	0.00E+000	HOUSE EVENT TO SELECT FLOW TO 2 OF 3 SG's
XHOS-2H-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL 4160 V BUS 2H NORMALLY = 0
XHOS-2J-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL 4160 V BUS 2J NORMALLY = 0
XHOS-ATWS	0.00E+000	HOUSE EVENT FOR ATWS SEQUENCES
XHOS-CASCOOLREQD	1.00E+000	CASING COOLING REQUIRED
XHOS-CORECOOLREC	1.00E+000	CORE COOLING RECOVERY IN PROGRESS
XHOS-DCBUS-1-I	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 1-I NORMALLY = 0
XHOS-DCBUS-1-II	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 1-II NORMALLY = 0
XHOS-DCBUS-1-III	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 1-III NORMALLY = 0
XHOS-DCBUS-1-IV	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 1-IV NORMALLY = 0

**TABLE C.8-1 (Continued)**  
**NAPS1.BED:TUESDAY, OCTOBER 13, 1992**

<u>Event</u>	<u>Unavailability</u>	<u>Description</u>
XHOS-DCBUS-2-I	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 1-I NORMALLY = 0
XHOS-DCBUS-2-III	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 2-III NORMALLY = 0
XHOS-DCBUS-2-III	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 2-III NORMALLY = 0
XHOS-DCBUS-2-IV	0.00E+000	HOUSE EVENT = 1 TO FAIL DC BUS 2-IV NORMALLY = 0
XHOS-DG-1H-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL EDG 1H NORMALLY = 0
XHOS-DG-1J-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL EDG 1J NORMALLY = 0
XHOS-DG-2H-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL EDG 2H NORMALLY = 0
XHOS-DG-2J-FAILS	0.00E+000	HOUSE EVENT = 1 TO FAIL EDG 2J NORMALLY = 0
XHOS-DG-AAC-FAIL	1.00E+000	HOUSE EVENT = 1 TO FAIL ALT AC DIESEL NORMALLY = 1
XHOS-ELE-1H-2J	0.00E+000	HOUSE EVENT = 0 TO XTIE 1H AND 2J NORMALLY = 0
XHOS-ELE-1H-AAC	1.00E+000	HOUSE EVENT = 0 FOR ALTERNATE AC DIESEL TO SUPPLY POWER
XHOS-ELE-1J-AAC	1.00E+000	HOUSE EVENT = 0 FOR ALTERNATE AC DIESEL TO SUPPLY POWER
XHOS-ELE-2H-2J	1.00E+000	HOUSE EVENT = 0 TO CROSS TIE 2H AND 2J NORMALLY = 1
XHOS-ELE-2H-AAC	1.00E+000	HOUSE EVENT = 0 FOR ALTERNATE AC DIESEL TO SUPPLY POWER
XHOS-ELE-2J-AAC	1.00E+000	HOUSE EVENT = 0 FOR ALTERNATE AC DIESEL TO SUPPLY POWER
XHOS-HIRCSPRESS	0.00E+000	LHSI PUMP SHUTOFF HEAD EXCEEDED
XHOS-LOOP	0.00E+000	HOUSE EVENT = 1 FOR LOSS OF OFFSITE POWER, NORMALLY = 0
XHOS-NO-ATM-DUMP	0.00E+000	HOUSE EVENT TO FAIL SG PORV FOR CCR
XHOS-NO-ATWS	1.00E+000	HOUSE EVENT FOR NON-ATWS SEQUENCES
XHOS-NO-CND-DUMP	0.00E+000	HOUSE EVENT TO FAIL CONDENSER DUMP FOR CCR
XHOS-NO-SGA	0.00E+000	HOUSE EVENT NO SG-A
XHOS-NO-SGB	0.00E+000	HOUSE EVENT - NO SG-B
XHOS-NO-SGC	0.00E+000	HOUSE EVENT - NO SG-C
XHOS-QS-REQ-NPSH	1.00E+000	SEQUENCE IN WHICH QS IS REQUIRED TO PROVIDE NPSH FOR RS
XHOS-SBO	0.00E+000	HOUSE EVENT FOR SBO SEQUENCES
XHOS-SI	0.00E+000	HOUSE EVENT NO SI SIGNAL
XHOS-SLB	0.00E+000	HOUSE EVENT STEAM LINE BREAK
XHOS-SW	1.00E+000	SERVICE WATER REQUIRED
XHOS-TDP-FAILED	0.00E+000	HOUSE EVENT - TDP FAILED NORMALLY = 0