INITIAL SUBMITTAL

BROWNS FERRY EXAM 50-259, 260, 296/2001-301

SEPTEMBER 17-21, 2001

INITIAL SUBMITTAL

OPERATING TEST SIMULATOR SCENARIOS

DRAFT

.

Appendix D			Scenario Outline	Form ES-D-1
Facility:	Browns Fern	/	Scenario No.: NRC-1	Op-Test No.: A
Examin	ers:		Operators:	
out for m 3.5.1.7 i	ninor maintena s in progress a	nce (6 hour nd complet	With Power Ascension in progress. s into a 7 day LCO). HPCI Flow Test a e up to Step 7.10. Severe Thunder Storm Warning in e	tt Rated Pressure, 2-SR-
Event No.	Malf. No.	Event Type*	Event Descriptic	n
1	N/A	R-all	Continue power ascension to 100	%
2	imf hp07	N-duo C-duo	Continue HPCI Flow Test 2-SR-3. VAC power and pump is declared	5.1.7(HPCI Loss of 120 inoperable).
3	Imf fw25	l-duo	Controlling Steam Flow Channel I	Fails Low.
4	bat i034-1	C-buo	SLC Squib Valve Continuity Lost.	
5a	imf th03a	C-buo	High Vibrations result in 2A Reci	rc Pump Tripping.
5b	imf cr02a 20 2:00	C-all	Power Oscillations Lead to React Insert).	or Scram.(All rods do not
6a	imf th10A & th11A	M-all	2A Recirc pump seal failure.	
6b	imf th22	M-all	High Pressure in Drywell.	
6c	imf edo1	M-all	LOOP/ After entry into procedure	for High Pressure in DW.

* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor

ppendix	D		Scenario Outline	Form ES
Facility: Browns Ferry			Scenario No.: NRC 2	Op-Test No.: A
			Operators:	
hours ir Turnov	nto a 7 day LC er: Power redu	O) Iction Pla	s; 2C RHR Pump is tagged out for nned in order to perform 2-SR-3.3 nder Storm Warning in effect.	
Event No.	Malf. No.	Event Type*	Event Descript	
0	imf rp06	C all	Prevent Reactor Scram	
0	bat atws85	м	85% ATWS	
1	N/A	N duo	Alternate Unit 2 EHC pumps	
	N/A N/A	N duo R buo	Alternate Unit 2 EHC pumps Power Reduction for 2-SR-3.3.1.	1.8(9)
2				
	N/A	R buo	Power Reduction for 2-SR-3.3.1.	re 3-22AA low. (TS)
2 3	N/A imf th31a	R buo I buo	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu	re 3-22AA low. (TS)
2 3 4	N/A imf th31a imf fw26a	R buo I buo I duo	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu Failure of the A FW flow transmit	re 3-22AA low. (TS) tter to 100% over 5 min.
2 3 4 5a	N/A imf th31a imf fw26a	R buo I buo I duo	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu Failure of the A FW flow transmi Control Rod Drive pump Trip. Stand by Control Bod Drive Pum	re 3-22AA low. (TS) tter to 100% over 5 min. p Breaker fails to close llow AO to charge spring
2 3 4 5a 5b	N/A imf th31a imf fw26a Imf rd01 imf ms03d	R buo I buo I duo C buo	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu Failure of the A FW flow transmi Control Rod Drive pump Trip. Stand by Control Rod Drive Pum (charging spring not charged). A	re 3-22AA low. (TS) tter to 100% over 5 min. p Breaker fails to close llow AO to charge spring e sep. creating high leve
2 3 4 5a 5b 6	N/A imf th31a imf fw26a Imf rd01 imf ms03d imf ms03d	R buo I buo I duo C buo C all	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu Failure of the A FW flow transmit Control Rod Drive pump Trip. Stand by Control Rod Drive Pum (charging spring not charged). A Fail level control for 2B2 moistur	re 3-22AA low. (TS) tter to 100% over 5 min. p Breaker fails to close llow AO to charge spring e sep. creating high leve
2 3 4 5a 5b 6 7a	N/A imf th31a imf fw26a Imf rd01 imf ms03d imf ms02d N/A	R buo I buo I duo C buo C all C all	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu Failure of the A FW flow transmit Control Rod Drive pump Trip. Stand by Control Rod Drive Pum (charging spring not charged). A Fail level control for 2B2 moistur Reactor Fails to Scram. (ATWS	re 3-22AA low. (TS) tter to 100% over 5 min. In Breaker fails to close llow AO to charge spring e sep. creating high leve) 15 min. modify as necessa
2 3 4 5a 5b 6 7a 7b	N/A imf th31a imf fw26a Imf rd01 imf rd01 imf ms03d imf ms02d N/A imf pc05a	R buo I buo I duo C buo C all C all M all	Power Reduction for 2-SR-3.3.1. Failure of Reactor vessel pressu Failure of the A FW flow transmit Control Rod Drive pump Trip. Stand by Control Rod Drive Pum (charging spring not charged). A Fail level control for 2B2 moistur Reactor Fails to Scram. (ATWS SRV tailpipe break ramped in over Steam line break in tunnel causing	re 3-22AA low. (TS) tter to 100% over 5 min. p Breaker fails to close llow AO to charge spring e sep. creating high level) 15 min. modify as necessar

* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor