

INITIAL SUBMITTAL

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

SEPTEMBER 17-21, 2001

INITIAL SUBMITTAL

**OPERATING TEST
SIMULATOR SCENARIOS**

Facility: Browns Ferry

Scenario No.: NRC-1

Op-Test No.: A

Examiners: _____ Operators: _____

Initial Conditions: Unit At 85%, With Power Ascension in progress. 2C RHR Pump is tagged out for minor maintenance (6 hours into a 7 day LCO). HPCI Flow Test at Rated Pressure, 2-SR-3.5.1.7 is in progress and complete up to Step 7.10.

Turnover: Continue to 100%. Severe Thunder Storm Warning in effect.

Event No.	Malf. No.	Event Type*	Event Description
1	N/A	R-all	Continue power ascension to 100%.
2	imf hp07	N-duo C-duo	Continue HPCI Flow Test 2-SR-3.5.1.7(HPCI Loss of 120 VAC power and pump is declared inoperable).
3	Imf fw25	I-duo	Controlling Steam Flow Channel Fails Low.
4	bat i034-1	C-buo	SLC Squib Valve Continuity Lost.
5a	imf th03a	C-buo	High Vibrations result in 2A Recirc Pump Tripping.
5b	imf cr02a 20 2:00	C-all	Power Oscillations Lead to Reactor Scram.(All rods do not Insert).
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

Facility: Browns Ferry	Scenario No.: NRC 2	Op-Test No.: A	
Examiners: _____ Operators: _____ _____ _____			
<p>Initial Conditions: Unit At 100%; 2C RHR Pump is tagged out for minor maintenance (6 hours into a 7 day LCO)</p> <p>Turnover: Power reduction Planned in order to perform 2-SR-3.3.1.1.8(9) turbine control valve fast closure. Severe Thunder Storm Warning in effect.</p>			
Event No.	Malf. No.	Event Type*	Event Description
0	imf rp06	C all	Prevent Reactor Scram
0	bat atws85	M	85% ATWS
1	N/A	N duo	Alternate Unit 2 EHC pumps
2	N/A	R buo	Power Reduction for 2-SR-3.3.1.1.8(9)
3	imf th31a	I buo	Failure of Reactor vessel pressure 3-22AA low. (TS)
4	imf fw26a	I duo	Failure of the A FW flow transmitter to 100% over 5 min.
5a	Imf rd01	C buo	Control Rod Drive pump Trip.
5b			Stand by Control Rod Drive Pump Breaker fails to close (charging spring not charged). Allow AO to charge spring.
6	imf ms03d imf ms02d	C all	Fail level control for 2B2 moisture sep. creating high level.
7a	N/A	C all	Reactor Fails to Scram. (ATWS)
7b	imf pc05a	M all	SRV tailpipe break ramped in over 15 min. modify as necessary.
7c	imf th32c	M all	Steam line break in tunnel causing MSIV's to close. (Insert with SRV tailpipe break.)

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