

FINAL SUBMITTAL

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

SEPTEMBER 17-21, 2001

FINAL OUTLINES

Facility: Browns FerryDate of Examination: 9/17-9/19-2001Examination Level (circle one): RO / SROOperating Test Number: 1

Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Conduct Of Operations	RO-JPM NRC A.1.a DETERMINE REACTOR VESSEL WATER LEVEL. (K/A 2.1.28)
	Shift Staffing Requirements	RO - NRC-JPM-02 (NEW), EVALUATE OVERTIME ELIGIBILITY (K/A 2.1.3, 3.0/3.4)
A.2	Equipment Operability Requirements	RO - JPM A.2 DETERMINE COMPONENT POSITIONS FOR VALVE LINE-UPS AND TAG ORDER PERFORMANCE. (K/A 2.2.1, 3.6/3.8)
A.3	Control of Radiation Releases	DETERMINE BUILDING VENTILATION NOBLE GAS RELEASE RATE. <u>JPM #131</u> , KA 271000A4.05, 3.2/3.9
A.4	Emergency Plan	1. RO QUESTION: KNOWLEDGE OF ABNORMAL CONDITION PROCEDURES.(K/A: G2.4.11)
		2. RO QUESTION: KNOWLEDGE OF THE RO'S RESPONSIBILITIES IN EMERGENCY PLAN IMPLEMENTATION. (K/A G2.4.39)

Facility: Browns FerryDate of Examination: 9/17-9/19 2001Examination Level (circle one): RO / SROOperating Test Number: 1

Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Conduct of Operations	QUESTION ON FITNESS FOR DUTY. (K/A 2.1.6, 4.3)
		DETERMINE THE CONDITION CLASSIFICATION FOR RCIC INOPERABLE. (K/A 2.1.33, 3.4/4.0)
	Shift Staffing Requirements	SRO - NRC-JPM-02 (NEW), EVALUATE OVERTIME ELIGIBILITY (K/A 2.1.3, 3.0/3.4)
A.2	Equipment Operability Requirements	SRO - JPM A.2 DETERMINE COMPONENT POSITIONS FOR VALVE LINE-UPS AND TAG ORDER PERFORMANCE. (K/A 2.2.1, 3.6/3.8)
A.3	Control of Radiation Releases	DETERMINE BUILDING VENTILATION NOBLE GAS RELEASE RATE. <u>JPM #131</u> , (KA 271000A4.05, 3.2/3.9)
A.4	Emergency Plan	JPM -181 CLASSIFY THE EVENT PER THE REP (GASEOUS RELEASE RATE-OSI-4.8.B.1.A.1) (K/A 2.4.38, 4.0)

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	N-BUO	Alternate Unit 2 EH pumps.
2	N/A	R-all	Continue power ascension to 100%.
3	Imfhp08	N-duo C-duo	Continue HPCI Flow Test 2-SR-3.5.1.7 (Ruptured HPCI steam line with a failure to auto isolate).
4	imf swo2a	I-duo	"A" RBCCW pump trip and FCV-70-48 failure to close.
5	imf ad01n 100	C-buo	SRV-1-180 Fails Open.
6	Bat RRPAVIB dmf th12A	C-buo /all	High Vibrations result in 2A Recirc Pump Seal Leak, and Power Oscillations that will Lead to Reactor Scram.
7	imf th22	M-all	High Pressure in Drywell.
7b	imf edo1	M-all	LOOP/ After entry into procedure for High Pressure in DW, with a failure of the "D" D/G to autostart.

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

Facility: Browns Ferry	Scenario No.: NRC 2	Op-Test No.: A
Examiners: _____ Operators: _____ _____ _____		
Initial Conditions: Unit At 100%; 2C RHR Pump is tagged out for minor maintenance (6 hours into a 7 day LCO)		
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.		

Event No.	Malf. No.	Event Type*	Event Description
0	imf rp06	C all	Prevent Reactor Scram
0	bat atws75	M	75% ATWS
1	N/A	R buo	Power Reduction for 2-SR-3.3.1.1.8(9)
2	imf rp01a	I buo	Failure of "A" RPS.
3	lmf og04a	C duo	Failure of "A" SJAE.
4	lmf rd01a	C buo	2A CRD Pump Trip. B pump starts
5	imf pc02 dmf pc02	C duo	A Reactor Zone Fans Trip.
6	Bat ms1b hilevel	C all	Fail level control for 2B1 moisture sep. creating high level
7a	N/A	M all	Reactor Fails to Scram. (ATWS)
7b	imf pc05a	M all	Steam Leak in Primary and Secondary Containment with MSIV Closure.

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