Outline Comments

11/24/04

Scenario #1 – more t.s. calls for SRO

- classifying events not needed for scenarios
- for level of detail - focus on SRO position

Scenario #2 – More detail for RO

Scenario #3 – More details for RO

Does SRO have role in TB evaluation?

- Same failure/CT/Both Scenario for RHR/LPCI injection valve
- Make sure provide detailed justification for CT's
- Make sure all rqd. operator actions are detailed in the scenario scripts.

Facility: **SSES** Scenario No.: **ILO-502A (SRO)** Op-Test No.: _____

Examiners: _____ Operators: _____

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Initial Conditions: Unit 1 at 50% power EOL, Unit 2 in Mode 4.

Turnover: Startup Bus 10 is currently supplied from Startup Bus 20 with Tie Breaker 0A10502 closed The shift will be directed to restore the electric plant lineup to normal by transferring Startup Bus 10 to Startup Transformer 10. Following restoration of the electric plant lineup, the crew will continue with power ascension by pulling control rods and raise power ≈10%. Standby Liquid Control Pump 1B is inoperable while maintenance investigates a high motor vibration.

Event No.	Malf. No.	Event Type*	Event Description
1		N	Transfer SUB 10 to SUT 10
2		R, N	Increase Reactor Power
3		I	FW Flow Transmitter B Fails Low
4		I	Steam Leak Detection Failure / HPCI Isolation
5		C	Loss of Instrument Air
6		C, M	Recirc Loop B Suction Line Break
7		C	Auto ADS Logic Failure
8		M	Rapid Depressurization
9		C	LPCI Injection Valve HV-F015B Fails to Auto-Open
10		M	RPV Flooding

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

Facility: **SSES** Scenario No.: **ILO-503A (ATC)** Op-Test No.: _____

Examiners: _____ Operators: _____

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Initial Conditions: Unit 1 at 65% power EOL, Unit 2 in Mode 1.

Turnover: The scenario begins with Unit 1 at 65% power, rod sequence B2/SU step 550 and RX Engineer is finalizing instructions for increasing power. Instrument Air compressor 'B' is out of service for rebuild. SRV 'R' is leaking. Reactor Recirc "B' is experiencing seal oscillations accompanied by seal stage Hi/Lo flow alarms. Unit 2 is 1 hour from synchronizing to the grid. Fuel handling is in progress in Unit 1 Spent Fuel Pool.

Event No.	Malf. No.	Event Type*	Event Description
1		C	RRP "B" Lower Seal Failure
2		R	Control Rod Drift OUT
3		C	RRP "B" Upper Seal Failure
4		C, M	LOCA Inside Drywell
5		C	HPCI Auto Start Failure/Trip
6		C	D/G Start Failure
7		C, M	Loss Of Offsite Power (LOOP)
8		C	1A201 Bus Lockout
9		M	Rapid Depressurization
10		C	LPCI Injection Valve HV-F015B Fails to Auto-Open

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

Facility: **SSES** Scenario No.: **ILO-302 (Backup)** Op-Test No.: _____

Examiners: _____ Operators: _____

Initial Conditions: Unit 1 at 75% power EOL, Unit 2 in Mode 4

Turnover: CRD pump 1B is out of service for breaker maintenance and is not expected to return this shift. Condensate pump 1B has a possible ground, requiring the crew to remove 1B Condensate pump from service for inspection. No surveillance activities are planned or due during the shift. Chemistry and Reactor Engineering are investigating a spike in Off-Gas activity during the last Control Rod Exercise Surveillance.

Event No.	Malf. No.	Event Type*	Event Description
1		N	Shutdown 1B Condensate Pump
2		C	Condensate Minimum Flow Recirc Valve Failure
3		I	'A' Narrow Range Level Instrument Fails Upscale
4		C	Fuel Clad Failure
5		I	RPS 'A' Failure to Trip (Momentary ATWS)
6		C	'D' Main Steam Line Failure to Isolate
7		C,M	Main Steam Line Leak in Turbine Building
8		M	Radioactivity Release
9		M	Rapid Depressurization

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