Facility: Monticello Scenario No.: ILT-SS-04E (**NRC 1**) Op-Test No.: MNGP 09

Examiners: _____ Operators: _____

Initial Conditions:
Normal plant startup in progress at approximately 38% power. No Limiting conditions for Operation in effect.

Turnover:
Ready to place the "B" Feedwater Regulating valve in service.
Continue raising reactor power with Recirc.

Event No.	Malf. No.	Event Type*	Event Description
1	None	**N (BOP)**	Place the "B" Feedwater Regulating valve in service.
2	None	**R (ATC/SRO)**	Raise reactor power with Recirc from 38% to 50%.
3	RR09C	**I (ATC/SRO)**	Recirc Speed Controller failure. Operator will lock the scoop tube. The CRS will address Tech Specs for Recirc speed mismatch.
4	RC02	**I (BOP/SRO)**	RCIC Auto Initiation (Inadvertent). The BOP will secure RCIC. The CRS will determine Tech Specs for inoperable RCIC. (ABNORMAL)
5	EG02A&B	**C (BOP/SRO)**	Complete loss of Stator Water cooling flow. BOP actions to start a SWC pump will be unsuccessful. The crew will manually scram the reactor. (ABNORMAL)
6	CH16 CH19 TC02 TC06A&B EG03	**M (Crew)**	Scram with Hydraulic ATWS The crew will perform C.5-1100 for RPV control. The crew will perform C.5-2007 for a failure to scram. The Power/Level Control contingency will be necessary. The scenario ends when Hot Shutdown Boron weight has been injected and the crew begins restoring RPV level.
7	SL01A&B	**C (ATC)**	The 1st SBLC Pump fails to start. The OATC will successfully start the 2nd SBLC Pump

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

ES-301-4 & 5 Quantitative attributes:
Total Malfunctions: 5 Malfunctions
Malfunction(s) after EOP: E7
Abnormal Events: E3, E4 & E5
EOPs: 1100
EOP Contingencies: Power/Level Control (2007)
Critical Tasks: Inhibit ADS, Initiate SBLC, Power/Level Control
Tech Spec: E3 & E4
SRO-I ATC I/C: E3 & E7
Note: CRS does not get shared credit for (N)ormal event