

SYSTEM: 211000 Standby Liquid Control System

- TASK: Perform lineups on the standby liquid control system
 Charge the standby liquid control tank
 Place the standby liquid control system in standby readiness
 Monitor the standby liquid control system
 Inject poison solution into the reactor vessel
 Purge the standby liquid control tank level indicator
 Perform standby liquid control recirculation test
 Perform standby liquid control relief valve test
 Perform standby liquid control and demineralized water injection reactor vessel test
 Perform standby liquid control explosive valve inspection
 Perform standby liquid control component inoperable test

K/A NO.	KNOWLEDGE	IMPORTANCE	
		RO	SRO
K1.	Knowledge of the physical connections and/or cause-effect relationships between STANDBY LIQUID CONTROL SYSTEM and the following: (CFR: 41.2 to 41.9 / 45.7 to 45.8)		
K1.01	Core spray line break detection: Plant-Specific	3.0*	3.3*
K1.02	Core plate differential pressure indication: Plant Specific	2.7	2.7
K1.03	Plant air systems: Plant-Specific	2.5	2.6
K1.04	Demineralized water/ condensate storage system	2.2*	2.3*
K1.05	RWCU	3.4	3.6
K1.06	Reactor vessel	3.7	3.7
K1.07	Jet pump differential pressure indication: Plant-Specific	2.6	2.6
K1.08	CRD drive and cooling water differential pressure Indication: Plant Specific	2.3*	2.4*
K1.09	Core spray system: Plant-Specific	3.2*	3.4*
K1.10	HPCI: Plant-Specific	2.8*	3.0*
K1.11	HPCF: ABWR	XX	XX
K2.	Knowledge of electrical power supplies to the following: (CFR: 41.7)		
K2.01	SBLC pumps	2.9*	3.1*
K2.02	Explosive valves: BWR 2,3,4,5,6	3.1*	3.2*
K2.03	Heater power	2.2*	2.4*
K3.	Knowledge of the effect that a loss or malfunction of the STANDBY LIQUID CONTROL SYSTEM will have on following: (CFR: 41.7 / 45.4)		
K3.01	Ability to shutdown the reactor in certain conditions.....	4.3*	4.4*
K3.02	Core spray line break detection system: Plant-Specific.....	3.0*	3.2*
K3.03	Core plate differential pressure indication: Plant Specific	2.6*	2.7*

SYSTEM: ~~209002~~ 209003 ? High Pressure Core Flooder System (HPCF)

- TASK:** Perform lineups on the core flooder system
 Place high pressure core flooder system in standby readiness
 Monitor automatic operation of high pressure core flooder system
 Shutdown high pressure core flooder cooling system
 Perform high pressure core flooder simulated automatic actuation test
 Perform core flooder pump operability test
~~Perform core spray system inop test~~
 Conduct core flooder cold shutdown valve testing

K/A NO.	KNOWLEDGE SRO	IMPORTANCE RO	
K1.	Knowledge of the physical connections and/or cause effect relationships between HIGH PRESSURE CORE FLOODER SYSTEM (HPCF) and the following: (CFR: 41.2 to 41.9 / 45.7 to 45.8)		
K1.01	Condensate transfer and storage system: Makeup Water Condensate System ABWR	3.4	3.4
K1.02	Suppression Pool: ABWR	3.5	3.5
K1.03	Water leg (jockey) pump: Condensate Water Transfer Pumps ABWR	3.0	3.0
K1.04	HPCS Division 2 and 3 diesel generators: ABWR	3.8	3.8
K1.05	Standby liquid control system: Plant Specific-ABWR	2.8	2.8
K1.056	Suppression pool cleanup system: ABWR	2.0*	2.0
K1.07	ECCS room coolers: ABWR	2.4	2.4
K1.08	Component cooling water systems: ABWR	2.4	2.6
K1.09	Leak detection: ABWR	2.5	2.5
K1.10	Suppression pool suction strainers: ABWR	2.1*	2.1
K1.11	Adequate core cooling: ABWR	3.8	4.0
K1.12	Reactor vessel: ABWR	3.4	3.6
K1.13	Instrument nitrogen High Pressure Nitrogen Gas Supply System: ABWR	2.7	2.7
K1.14	Plant air systems: ABWR	2.6	2.6
K1.15	Automatic Depressurization System: ABWR	XX	XX
K2.	Knowledge of electrical power supplies to the following: (CFR: 41.7)		
K2.01	Pump electrical power: ABWR	3.2	3.3
K2.02	Valve electrical power: ABWR	2.8	2.9
K2.03	Initiation logic: ABWR	2.8	2.9
K3.	Knowledge of the effect that a loss or malfunction of the HIGH PRESSURE CORE FLOODER SYSTEM (HPCF) will have on following: (CFR: 41.7 / 45.4)		
K3.01	Reactor water level: ABWR	3.9	3.9
K3.02	Standby liquid control system: Plant Specific-ABWR	3.3	3.3
K3.03	Adequate core cooling: ABWR	3.9	4.1