Facility: Summer Date of Exam: 9/17/02 Exam Level: SRO

Tier	Group	K/A Category Points											Point Total	
		K1	K2	K3	K4	K5	K6	A1	A2	A3	A4	G*		
1. Emergency & Abnormal Plant Evolutions	1	5	3	5				4	5			2	24	24
	2	2	2	3				1	7			1	16	16
	3	1	0	0				1	1			0	3	3
	Tier Totals	8	5	8				6	13			3	43	43
2. Plant Systems	1	2	0	3	3	1	2	4	1	1	1	1	19	19
	2	4	2	1	2	1	1	0	1	1	2	2	17	17
	3	0	0	1	0	0	0	0	2	0	1	0	4	4
	Tier Totals	6	2	5	5	2	3	4	4	2	4	3	40	40

3. Generic Knowledge and Abilities	Cat 1	Cat 2	Cat 3	Cat 4		
	4	5	2	6	17	17

Note:
1. Ensure that at least two topics from every K/A category are sampled within each tier (i.e., the "Tier Totals" in each K/A category shall not be less than two).
2. The point total for each group and tier in the proposed outline must match that specified in the table. The final point total for each group and tier may deviate by ±1 from that specified in the table based on NRC revisions. The final exam must total 100 points.
3. Select topics from many systems; avoid selecting more than two or three K/A topics from a given system unless they relate to plant-specific priorities.
4. Systems/evolutions within each group are identified on the associated outline.
5. The shaded areas are not applicable to the category/tier.
6.* The generic K/As in Tiers 1 and 2 shall be selected from Section 2 of the K/A Catalog, but the topics must be relevant to the applicable evolution or system.
7. On the following pages, enter the K/A numbers, a brief description of each topic, the topics' importance ratings for the SRO license level, and the point totals for each system and category. K/As below 2.5 should be justified on the basis of plant-specific priorities. Enter the tier totals for each category in the table above.

Emergency and Abnormal Plant Evolutions - Tier 1/Group 1

E/APE # / Name / Safety Function	K1	K2	K3	A1	A2	G	K/A Topic(s)	Imp.	Points
000001 Continuous Rod Withdrawal/1	X						AK1.05 Knowledge of the operational implications of the following concepts as they apply to Continuous Rod Withdrawal Effects of Turbine Reactor power mismatch on rod control. (41.8 / 41.10 / 45.3)	3.5/3.8	1
000003 Dropped Control Rod / 1				X			AA1.01 Ability to operate and / or monitor the following as they apply to the Dropped Control Rod: Demand position counter and pulse /analog converter (41.7 / 45.5 / 45.3)	2.9*/2.9	1
000005 Inoperable/Stuck Control Rod / 1		X					AK2.01 Knowledge of the interrelations between the Inoperable / Stuck Control and the following: Controllers and positioners (41.7 / 45.7)	2.5/2.5	1
000011 Large Break LOCA / 3	X						EK1.01 Knowledge of the operational implications of the following concepts as they apply to the Large Break LOCA : Natural circulation and cooling, including reflux boiling (41.8 / 41.10 / 45.3)	4.1/4.4	1
W/E04 LOCA Outside Containment / 3					X		EA2.1 Ability to determine and interpret the following as they apply to the (LOCA Outside Containment): Facility conditions and selection of appropriate procedures during abnormal and emergency operations. (43.5/45.13)	3.4/4.3	1 SRO
W/E01 & **E02** Rediagnosis & SI Termination / 3						X	G2.4.18 Knowledge of the specific bases for EOPs (41.10/45.13)	2.7/3.6	1
000015/17 RCP Malfunctions / 4			X				AK3.03 Knowledge of the reasons for the following responses as they apply to the Reactor Coolant Pump Malfunctions (Loss of RC Flow) : Sequence of events for manually tripping reactor and RCP as a result of an RCP malfunction. (41.5/41.10/45.6/ 45.13)	3.7/4.0	1
BW/E09; CE/A13; **W/E09**&E10 Natural Circ. / 4				X	X		EA1.3 Ability to operate and/or monitor the following as they apply to the (Natural Circulation Operations): Desired operating results during abnormal and emergency situations. (4.17/45.5/45.6) EA2.1 Ability to determine and interpret the following as they apply to the (Natural Circulation Operations): Facility conditions and selection of appropriate procedures during abnormal and emergency operations. (43.5/45.13)	3.5/3.8 3.1/3.8	1 1 SRO
000024 Emergency Boration / 1					X		AA2.02 Ability to determine and interpret the following as they apply to Emergency Boration: when use of manual boration valve is needed. (43.5/45.13)	3.9/4.4	1 SRO
000026 Loss of Component Cooling Water / 8			X		X		AK3.03 Knowledge of the reasons for the following responses as they apply to the Loss of Component Cooling Water: Guidance actions contained in ECP for Loss of CCW. (41.5,41.10 / 45.6 / 45.13) AA2.06 Ability to determine and interpret the following as they apply to the Loss of Component Cooling Water: The length of time after the loss of CCW flow to a component before that component may be damaged. (43.5/45.13) [41.7/41.8/41.10 apply]	4.0/4.2 2.8*/3.1*	1 1 SRO
000029 Anticipated Transient w/o Scram / 1			X				EK3.01 Knowledge of the reasons for the following responses as the apply to the ATWS: Verifying a reactor trip; methods (41.5 / 41.10 / 45.6 / 45.13)	4.2/4.5	1
000040 (BW/E05; CE/E05; **W/E12**) Steam Line Rupture - Excessive Heat Transfer / 4	X						EK1.2 Knowledge of the operational implications of the following concepts as they apply to the (Uncontrolled Depressurization of all Steam Generators). Normal, abnormal and emergency operating procedures associated with (Uncontrolled Depressurization of all Steam Generators). (41.8/41.10/45.3)	3.5/3.8	1

CE/A11; **W/E08** RCS Overcooling - PTS / 4	X						EK1.1 Knowledge of the operational implications of the following concepts as they apply to the (Pressurized Thermal Shock): Components, capacity, and function of emergency systems. (41.8 / 41.10, 45.3)	3.5/3.8	1
000051 Loss of Condenser Vacuum / 4			X				AK3.01 Knowledge of the reasons for the following responses as they apply to the Loss of Condenser Vacuum: Loss of steam dump capability upon loss of condenser vacuum (41.5,41.10 / 45.6 / 45.13)	2.8*/3.1*	1
000055 Station Blackout / 6						X	EG2.4.16 Knowledge of EOP implementation hierarchy and coordination with other support procedures. (41.10/43.5/45.13)	3.0/4.0	1 SRO
000057 Loss of Vital AC Elec. Inst. Bus / 6				X			AA1.06 Ability to operate and/or monitor the following as they apply to the Loss of Vital AC Instrument Bus: Manual control of components for which automatic control is lost (41.7/45.5/45.6)	3.5/3.5	1
000062 Loss of Nuclear Service Water / 4					X		AA2.04 Ability to determine and interpret the following as they apply to the Loss of Nuclear Service Water: The normal values and upper limits for the temperatures of the components cooled by SWS. (43.5 / 45.13)	2.5/2.9*	1 SRO
000067 Plant Fire On-site / 9				X			AA1.08 Ability to operate and / or monitor the following as they apply to the Plant Fire on Site: Fire fighting equipment used on each class of fire (4.17/45.5/45.6)	3.4/3.7	1
000068 (BW/A06) Control Room Evac. / 8			X				AK3.17 Knowledge of the reasons for the following responses as they apply to the Control Room Evacuation: Injection of Boric Acid into the RCS (41.5/41.10/45.6/45.13)	3.7/4.0	1
000069 (**W/E14**) Loss of CTMT Integrity / 5		X					EK2.1 Knowledge of the interrelations between the (High Containment Pressure) and the following: Components, and functions of control and safety systems, including instrumentation, signals, interlocks, failure modes, and automatic and manual features. (41.7/45.7)	3.4/3.7	1
000074 (W/E06&E07) Inad. Core Cooling / 4	X						EK1.3 Knowledge of the operational implications of the following concepts as they apply to the (Degraded Core Cooling) Annunciators and conditions indicating signals, and remedial actions associated with the (Degraded Core Cooling). (41.8/41.10/45.3)	3.7/3.9	1
000076 High Reactor Coolant Activity / 9		X					AK2.01 Knowledge of the interrelations between the High Reactor CoolantActivity and the following: Process Radiation Monitors (41.7/45.7)	2.6/3.0	1
K/A Category Totals:	5	3	5	4	5	2	Group Point Total:		24

E/APE # / Name / Safety Function	K1	K2	K3	A1	A2	G	K/A Topic(s)	Imp.	Point
000007 (BW/E02&E10; CE/E02) Reactor Trip - Stabilization - Recovery / 1					X		EA2.02 Ability to determine or interpret the following as they apply to a reactor trip: Proper actions to be taken if the automatic safety functions have not taken place (41.7/45.5/45.6)	4.3/4.6	1
000008 Pressurizer Vapor Space Accident / 3	X						AK1.01 Knowledge of the operational implications of the following concepts as they apply to a Pressurizer Vapor Space Accident: Thermodynamics and flow characteristics of open or leaking valves (41.8 / 41.10 / 45.3)	3.2/3.7	1
000009 Small Break LOCA / 3					X		EA2.10 Ability to determine or interpret the following as they apply to a small break LOCA: Airborne Activity (43.5/45.13)	3.1/3.7	1 SRO
BW/E08; **W/E03** LOCA Cooldown - Depress. / 4	X						EK1.2 Knowledge of the operational implications of the following concepts as they apply to the (LOCA Cooldown and Depressurization) (41.8/41.0/45.3)	3.6/4.1	1
W/E11 Loss of Emergency Coolant Recirc. / 4						X	EG2.4.9 Knowledge of low power / shutdown implications in accident (e.g. LOCA or loss of RHR) mitigation strategies. (41.10/43.5/45.13)	3.3/3.9	1
000022 Loss of Reactor Coolant Makeup / 2					X		AA2.03 Ability to determine and interpret the following as they apply to the Loss of Reactor Coolant Pump Makeup: Failures of flow control valve or controller. (43.5 / 45.13)	3.1/3.6	1 SRO
000027 Pressurizer Pressure Control System Malfunction / 3					X		AA2.16 Ability to determine and interpret the following as they apply to the Pressurizer Pressure Control Malfunctions: Actions to be taken if PZR pressure instrument fails low (43.5 / 45.13)	3.6/3.9	1 SRO
000032 Loss of Source Range NI / 7					X		AA2.06 Ability to determine and interpret the following as they apply to the Loss of Source Range Nuclear Instrumentation: Conformation of reactor trip. (43.5/45.13)	3.9*/4.1*	1 SRO
000033 Loss of Intermediate Range NI / 7					X		AA2.02 Ability to determine and interpret the following as they apply to the Loss of Intermediate Range Nuclear Instrumentation: Indications of unreliable intermediate range channel operation (41.7 / 45.5 / 45.6)	3.3/3.6	1
000037 Steam Generator Tube Leak / 3					X		AA2.13 Ability to determine and interpret the following as they apply to the Steam Generator Tube Leak: Which steam generator is leaking (43.5/45.13)	4.1/4.3	1 SRO
000038 Steam Generator Tube Rupture / 3			X				EK3.08 Knowledge of the reasons for the following responses as the apply to the SGTR: Criteria for securing RCP (41.5/41.10/45.6/45.13)	4.1/4.2	1
000054 (CE/E06) Loss of Main Feedwater / 4				X			AA1.01 Ability to operate and / or monitor the following as they apply to the Loss of Main Feedwater (MFW): AFW controls, including the use of alternate AFW sources (41.7 / 45.5 / 45.6)	4.5/4.4	1
BW/E04; W/E05 Inadequate Heat Transfer - Loss of Secondary Heat Sink / 4			X				EK3.2 Knowledge of the reasons for the following responses as they apply to the (Loss of Secondary Heat Sink): Normal, abnormal and emergency operating procedures associated with (Loss of Secondary Heat Sink). (41.5/41.10/45.6/45.13)	3.7/4.1	1
000058 Loss of DC Power / 6			X				AK3.02 Knowledge of the reasons for the following as they apply to the Loss of DC Power: Actions contained in EOP for loss of dc power. (41.5/41.10/45.6/45.1)	4.0/4.2	1

000061 ARM System Alarms / 7					X		AA2.05 Ability to determine and interpret the following as they apply to Area Radiation Monitoring (ARM) System Alarms: Need for area evacuation; check against existing limits (43.5/45.13)	3.5/4.2	1 SRO
W/E16 High Containment Radiation / 9		X					EK2.1 Knowledge of the interrelations between the (High Containment Radiation) and the following: Components, and functions of control and safety systems, including instrumentation, signals, interlocks, failure modes, and automatic and manual features. (41.7 / 45.7)	3.0/3.3	1
K/A Category Point Totals:	2	2	3	1	7	1	Group Point Total:		16

ES-401	PWR SRO Examination Outline Emergency and Abnormal Plant Evolutions - Tier 1/Group 3							Form ES-401-3 (R8, S1)	
E/APE # / Name / Safety Function	K1	K2	K3	A1	A2	G	K/A Topic(s)	Imp.	Points
000036 (BW/A08) Fuel Handling Accident / 8	X						AK1.01 Knowledge of the operational implications of the following concepts as they apply to Fuel Handling Incidents: Radiation Exposure hazards (41.8 / 41.10 / 45.3)	3.5/4.1	1
W/E13 Steam Generator Over-pressure / 4				X			EA1.1 Ability to operate and / or monitor the following as they apply to the (Steam Generator Over-pressure) Components, and functions of control and safety systems, including instrumentation, signals, interlocks, failure modes, and automatic and manual features. (41.7 / 45.5 / 45.6)	3.1/3.3	1
W/E15 Containment Flooding / 5					X		EA2.1 Ability to determine or interpret the following as they apply to(Containment Flooding) Facility conditions and selection of appropriate procedures during abnormal and emergency operations. (43.5/45.13)	2.7/3.2	1 SRO
K/A Category Point Totals:	1	0	0	1	1	0	Group Point Total:		3

System # / Name	K1	K2	K3	K4	K5	K6	A1	A2	A3	A4	G	K/A Topic(s)	Imp.	Points
001 Control Rod Drive	X				X							K1.03 Knowledge of the physical connections and/or cause-effect relationships between the CRDS and the following systems: CRDM (41.2 to 41.9 / 45.7 to 45.8) K5.38 Knowledge of the following operational implications as they apply to the CRDS: Definition of xenon transient; causes; effects on reactivity (41.5/45.7)	3.4/3.6 3.5/4.1	1
003 Reactor Coolant Pump								X				A2.01 Ability to (a) predict the impacts of the following malfunctions or operations on the AFW; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Problems with RCP seals, especially rates of seal leak-off (41.5/43.5/45.3/45.13)	3.5/3.9	1
004 Chemical and Volume Control						X						K6.05 Knowledge of the effect of a loss or malfunction on the following CVCS components: Sensors and detectors (41.7 / 45.7)	2.5/2.5	1
013 Engineered Safety Features Actuation				X						X		K4.16 Knowledge of ESFAS design feature(s) and/or inter-lock(s) which provide for the following: Avoidance of PTS (41.7) A4.02 Ability to manually operate and/or monitor in the control room: Reset of ESFAS channels (41.7 / 45.5 to 45.8)	3.8/4.2 4.3/4.4	1 1
014 Rod Position Indication							X					A1.03 Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the RPIS controls, including: PDIL, PFDIL (41.5 / 45.5)	3.6?/3.8?	1
015 Nuclear Instrumentation			X									K3.06 Knowledge of the effect that a loss or malfunction of the NIS will have on the following: Reactor regulating system (41.7 / 45.6)	2.9*/3.2*	1
017 In-core Temperature Monitor							X					A1.01 Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the ITM system controls including: Core exit temperature 41.5 / 45.7)	3.7/3.9	1
022 Containment Cooling							X					A1.04 Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the CCS controls including: Cooling water flow (41.5 / 45.5)	3.2/3.3	1
026 Containment Spray											X	G2.4.6 Knowledge of symptom based EOP mitigation strategies. (41.10 /43.5/ 45.13)	3.1/4.0	1 SRO

056 Condensate	X											K1.03 Knowledge of the physical connections and/or cause-effect relationships between the Condensate System and the following systems: MFW (41.2 to 41.9 / 45.7 to 45.8)	2.6/2.6	1
059 Main Feedwater							X					A1.03 Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the MFW controls including: Power level restrictions for operation of MFW pumps and valves. (41.5 / 45.5)	2.7*/2.9*	1
061 Auxiliary/Emergency Feedwater				X								K4.04 Knowledge of AFW design feature(s) and/or interlock(s) which provide for the following: Prevention of AFW runout by limiting AFW flow (41.7)	3.1/3.4	1
061 Auxiliary/Emergency Feedwater				X								K4.02 Knowledge of AFW design feature(s) and/or interlock(s) which provide for the following: AFW automatic start upon loss of MFW pump, S/G level, blackout, or safety injection (41.7)	4.5/4.6	1
063 DC Electrical Distribution			X									K3.01 Knowledge of the effect that a loss or malfunction of the DC electrical system will have on the following: ED/G (41.7/45.6)	3.7/4.1	1
068 Liquid Radwaste						X						K6.10 Knowledge of the effect of a loss or malfunction on the following will have on the Liquid Radwaste System : Radiation Monitors (41.7 / 45.7)	2.5/2.9	1
071 Waste Gas Disposal			X									K3.05 Knowledge of the effect that a loss or malfunction of the Waste Gas Disposal System will have on the following: ARM and PRM systems (41.7 / 45.6)	3.2/3.2	1
072 Area Radiation Monitoring									X			A3.01 Ability to monitor automatic operation of the ARM system, including: Changes in ventilation alignment (41.7 / 45.5)	2.9/3.1	1
K/A Category Point Totals:	2	0	3	3	1	2	4	1	1	1	1	Group Point Total:		19

System # / Name	K1	K2	K3	K4	K5	K6	A1	A2	A3	A4	G	K/A Topic(s)	Imp.	Points
002 Reactor Coolant									X			A3.01 Ability to monitor automatic operation of the RCS, including: Reactor coolant leak detection system (41.7 / 45.5)	3.7/3.9	1
006 Emergency Core Cooling		X										K2.04 Knowledge of bus power supplies to the following: ESFAS-operated valves (41.7)	3.6/3.8	1
010 Pressurizer Pressure Control	X											K1.03 Knowledge of the physical connections and/or cause-effect relationships between the PZR PCS and the following systems: RCS (41.2 to 41.9/45.7 to 45.8)	3.6/3.7	1
011 Pressurizer Level Control						X						K6.04 Knowledge of the effect of a loss or malfunction on the following will have on the PZR LCS: Operation of PZR level controllers (41.7 / 45.7)	3.1/3.1	1
012 Reactor Protection					X							K5.01 Knowledge of the operational implications of the following concepts as the apply to the RPS: DNB (41.5 / 45.7)	3.3/3.8	1
027 Containment Iodine Removal	X											K1.01 Knowledge of the physical connections and/or cause-effect relationships between the CIRS and the following systems: Containment Spray System (41.2 to 41.9 / 45.7 to 45.8)	3.4*/3.7*	1
028 Hydrogen Recombiner and Purge Control		X										K2.01 Knowledge of bus power supplies to the following: Hydrogen recombiners (41.7)	2.5*/2.8*	1
033 Spent Fuel Pool Cooling								X				A2.01 Ability to (a) predict the impacts of the following malfunctions or operations on the Spent Fuel Pool Cooling System ; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Inadequate SDM (41.5 / 43.5 / 45.3 / 45.13)	3.0 /3.5	1 SRO
034 Fuel Handling Equipment				X								K4.01 Knowledge of design feature(s) and/or interlock(s) which provide for the following: Fuel protection from binding and dropping (41.7)	2.6/3.4	1
035 Steam Generator			X									K3.01 Knowledge of the effect that a loss or malfunction of the S/GS will have on the following: RCS (41.7 / 45.6)	4.4/4.6	1
039 Main and Reheat Steam	X											K1.02 Knowledge of the physical connections and/or cause-effect relationships between the MRSS and the following systems: Atmospheric Relief dump valves (41.2 to 41.9 / 45.7 to 45.8)	3.3/3.3	1
055 Condenser Air Removal											X	G2.4.1 Knowledge of abnormal condition procedures (41.10/43.5/45.13)	3.4/3.6	1
062 AC Electrical Distribution										X		A4.07 Ability to manually operate and/or monitor in the control room: Synchronizing and paralleling of different ac supplies (41.7 / 45.5 / to 45.8)	3.1*/3.1*	1

064 Emergency Diesel Generator										X		A4.02 Ability to manually operate and/or monitor in the control room: adjustment of exciter voltage (using voltage control switch) (41.7/45.5 to 45.8)	3.3/3.4	1
075 Circulating Water											X	G2.1.32 Ability to explain and apply all system limits and precautions. (41.10 / 43.2 / 45.12)	3.4/3.8	1
079 Station Air				X								K4.01 Knowledge of SAS design feature(s) and/or interlock(s) which provide for the following: Cross-connect with IAS (41.7)	2.9/3.2	1
086 Fire Protection	X											K1.02 Knowledge of the physical connections and/or cause-effect relationships between the Fire Protection System and the following systems: Raw service water (41.2 to 41.9 / 45.7 to 45.8)	2.7*/3.2*	1
														17
K/A Category Point Totals:	4	2	1	2	1	-	0	1	1	2	2	Group Point Total:		17

System # / Name	K1	K2	K3	K4	K5	K6	A1	A2	A3	A4	G	K/A Topic(s)	Imp.	Points
005 Residual Heat Removal			X									K3.05 Knowledge of the effect that a loss or malfunction of the RHRS will have on the following: ECCS (41.7 / 45.6)	3.7*/3.8*	1
007 Pressurizer Relief/Quench Tank										X		A4.10 Ability to manually operate and/or monitor in the control room: Recognition of leaking PORV/code safety (41.7 / 45.5 to 45.8)	3.6/3.8	1
041 Steam Dump/Turbine Bypass Control								X				A2.02 Ability to (a) predict the impacts of the following malfunctions or operations on the SDS; and (b) based on those predictions or mitigate the consequences of those malfunctions or operations: Steam valve stuck open (41.5 / 43.5 / 45.3 / 45.13)	3.6/3.9	1 SRO
076 Service Water								X				A2.02 Ability to (a) predict the impacts of the following malfunctions or operations on the SWS; and (b) based on those predictions, use procedures to correct, control or mitigate the consequences of those malfunctions or operations: Service water header pressure (41.5 / 43.5 / 45/3 / 45/13)	2.7/3.1	1
K/A Category Point Totals:	0	0	1	0	0	0	0	2	0	1	0	Group Point Total:		4

Plant-Specific Priorities

System / Topic	Recommended Replacement for...	Reason	Points

Plant-Specific Priority Total: (limit 10)

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Category	K/A #	Topic	Imp.	Points
Conduct of Operations	2.1.3	Knowledge of shift turnover practices (41.10/45.13)	3.0/3.4	1
	2.1.10	Knowledge of conditions and limitations in the facility license. (43.1/45.13)	2.7/3.9	1 SRO
	2.1.12	Ability to apply technical specifications for a system. (43.2 / 43.5 / 45.3)	2.9/4.0	1 SRO
	2.1.29	Knowledge of how to conduct and verify valve lineups. (41.10 / 45.1 / 45.12)	3.4/3.3	1
	Total			4
Equipment Control	2.2.22	Knowledge of the limiting conditions of operations and safety limits. (43.2/45.2)	3.4/4.1	1 SRO
	2.2.33	Knowledge of control rod programming. (43.6)	2.5/2.9	1 SRO
	2.2.19	Knowledge of maintenance work order requirements (43.5/45.13)	2.1/3.1	1 SRO
	2.2.11	Knowledge of the process for controlling temporary changes. (41.10 / 43.3 / 45.13)	2.5/3.4*	1
	2.2.13	Knowledge of tagging and clearance procedures. (41.10 / 45.13)	3.6/3.8	1
	Total			5
Radiation Control	2.3.4	Knowledge of radiation exposure limits and contamination control, including permissible levels in excess of those authorized. (43.4 / 45.10)	2.5/3.1	1 SRO
	2.3.1	Knowledge of 10 CFR 20 and related facility radiation control requirements. (41.12 / 43.4 / 45.9 / 45.10)	2.6/3.0	1
	Total			2
Emergency Procedures/ Plan	2.4.5	Knowledge of the organization of the operating procedures network for normal, abnormal, and emergency evolutions. (41.10 / 43.5 / 45.13)	2.9/3.6	1 SRO
	2.4.11	Knowledge of abnormal condition procedures. (41.10 / 43.5 / 45.13)	3.4/3.6	1 SRO
	2.4.2	Knowledge of system set points, interlocks and automatic actions associated with EOP entry conditions. (41.7 / 45.7 / 45.8)	3.9/4.1	1
	2.4.4	Ability to recognize abnormal indications for system operating parameters which are entry-level conditions for emergency and abnormal operating procedures. (41.10 / 43.2 / 45.6)	4.0/4.3	1 SRO
	2.4.10	Knowledge of annunciator response procedures. (41.10 / 43.5 / 45.13)	3.0/3.1	1
	2.4.18	Knowledge of the specific bases of EOPs. (41.10/45.13)	2.7/3.6	1
	Total			6
Tier 3 Point Total (SRO)				17