Draft Submittal

(Pink Paper)

Mc Guire 2007-301

Warch 19-22, 2007

March 79, 2007

DRAFT Written Exam Quality Checklist (ES-401-6)

& Written Exam Sample Plan

Facili	ty: McGuire 1 & 2	D	ate of Exam	i:	3/19/2	007	Exam Level:	RO	/SRO
								Initial	
	Item Descript	ion					a	b*	c#
1.	Questions and answers technically accurate	and app	licable to fac	cility			JEA	ak	
2.	a. NRC K/As referenced for all questions.						TEA	2K	
	 Facility learning objectives referenced 						▼ 25 B		
3.	SRO questions are appropriate in accordance						TAN	2K	
4.	The sampling process was random and syst questions were repeated from the last 2 NR0 Program Office)	ematic. (l C licensir	If more than ng exams, co	4 R onsu	RO and 2 ult the N	RR OL	THA	aK	
5.	Question duplication from the license screen indicated below (check the item that applies)) and app	ears approp	oriat	e:	S			
_	the audit exam was systematically an	nd randor	nly develope	ed, c	or		THA	22	
	the audit exam was completed before	e the licer	nse exam wa	as s	tarted, o	or	JA	ak	
	the examinations were developed inc	dependen	itly, or						
	XX the licensee certifies that there is no	duplication	on, or						
	other (explain)			2002					
6.	Bank use meets limits (no more than 75 per		Bank	Mo	odified	New	(700	22	
	from the bank at least 10 percent new, and the new or modified); enter the actual RO / SRC question distribution(s) at right.		30/5		6/2	39/18	Day	æK	
7.	Between 50 and 60 percent of the question	on the	Memory		C	/Δ			
	RO exam are written at the comprehension/			+			74A	av	
	analysis level; the SRO exam may exceed 6 percent if the randomly selected K/As support		32 / 7		43 /	18	THA	2	
	higher cognitive levels; enter the actual RO								
_	question distribution(s) at right						- 1		
8.	References/handouts provided do not give a distractors.						TAN	2K	
9.	Question content conforms with specific K/A examination outline and is appropriate for the deviations are justified.						Tod	2K	
10.	Question psychometric quality and format m	neet the g	juidelines in	ES	Append	lix B.	PA	æK	
11.	The exam contains the required number of otal is correct and agrees with value on cov			oice	e items;	the	0004	2K	
		AND D	nted Name /	Sig	nature				Date
a.	Author Joseph G. Ar		land	4		enau	N	1/	11/2007
b.	Facility Reviewer (*)		Frial 1.	7/	Will !	/		1/	15/007
C.	NRC Chief Examiner (#)	.11 17	NULL IS		cai/je			-//	0001
d.	NRC Regional Supervisor							_	
PORTE								_	
Note	: * The facility reviewer's initials/sign								



Facility:		McGuire								D	ate (of E	xam	: 3/1	9/200)7			
".						R) K/	A C	ateg	jory	Poi	nts				SRO	-Only	Point	S
Tie	r	Group	K 1	K 2	K 3	K 4	K 5	K 6	A 1	A 2	A 3	A 4	G *	Total	А	2	G*		Total
1.		1	4	1	4				5	2			2	18	1	3	3		6
Emerg	ency	2	1	2	2				1	1			2	9	2	2	2		4
Abnor Plar Evolut	nt	Tier Totals	5	3	6				6	3			4	27		5	5		10
		1	4	3	3	1	1	1	4	1	3	3	4	28		3	2		5
2. Plai		2	1	0	1	1	2	2	1	2	0	0	0	10	0	2	1		3
Syste	ems	Tier Totals	5	3	4	2	3	3	5	3	3	3	4	38		5	3		8
3.	Gene	ric Knowled	lge a	nd			1		2		3		4	10	1	2	3	4	7
	Abilit	ies Catego	ries				2		3		2		3	10	2	1	2	2	,
	3.	or evolution operation be added	ntion onalled. I	s tha y im Refe	at do port er to	ant,	site	ply e-sp	at the	ne fa c sy	cilit	y sh ns t	ould hat a	d on the d be dele are not i dance re	eted a	nd jus ed on	tified; the ou	ıtline	
	4.	inappro	priat	e K	A st	tate	men	its.						s as pos					stem
														topic fo					
	5.		er sh	all b	e s	elec								ing an i ratings					
	6.	Select S	SRO	top	ics f	or T	iers	1 a	nd 2	2 fro	m th	ne s	had	ed syste	ms ar	nd K/A	\ categ	gories	3.
	7.*													ected fro olicable					
	8.	topics' i	mpo sten	rtan n an	ce r	atin ateg	gs (ory.	IR) En	for t	he a	ppli grou	cab p ai	le lid	brief des cense le er totals exams.	vel, a	nd the	point	totals	s (#) fc
	9.		tions	, IR	s, a	nd p	oint	tota						Catalog, 401-3.					



McGuire 2007 NRC Written Examination Outline Emergency and Abnormal Plant Evolutions – Tier 1 Group 1

E/APE # / Name Safety Function	G	K1	K2	K3	A1	A2	Number	K/A Topic(s)	Imp	Q#
007 / Reactor Trip / 1	×						2.1.33	Conduct of Operations: Ability to recognize indications for system operating parameters which are entry-level conditions for technical specifications.	4.0	76
009 / Small Break LOCA / 3						X	EA2.23	Ability to determine or interpret the following as they apply to a small break LOCA: RCP Operating parameters and limits	3.3	77
026 / Loss of Component Cooling Water / 8						X	AA2.03	Ability to determine and interpret the following as they apply to the Loss of Component Cooling Water: The valve lineups necessary to restart the CCWS while bypassing the portion of the system causing the abnormal condition	2.9	78
027 / Pressurizer Pressure Control System Malfunction / 3						X	AA2.12	Ability to determine and interpret the following as they apply to the Pressurizer Pressure Control Malfunctions: PZR level	3.8	79
029 / Anticipated Transient Without Scram (ATWS) / 1	x						2.1.23	Conduct of Operations: Ability to perform specific system and integrated plant procedures during all modes of plant operation.	4.0	80
055 / Station Blackout / 6	X						2.1.20	Conduct of Operations: Ability to execute procedure steps.	4.2	81
007 / Reactor Trip / 1		х					EK1.04	Knowledge of the operational implications of the following concepts as they apply to the reactor trip: Decrease in reactor power following reactor trip (prompt drop and subsequent decay)	3.6	39
008 / Pressurizer Vapor Space Accident / 3	х						2.2.22	Equipment Control Knowledge of limiting conditions for operations and safety limits.	3.4	40
009 / Small Break LOCA / 3			х				EK2.03	Knowledge of the interrelations between the small break LOCA and the following: S/Gs	3.0	41
011 / Large Break LOCA / 3						х	EA2.13	Ability to determine or interpret the following as they apply to a Large Break LOCA: Difference between overcooling and LOCA indications	3.7	42
015 / 17 / Reactor Coolant Pump Malfunctions / 4					х		AA1.05	Ability to operate and / or monitor the following as they apply to the Reactor Coolant Pump Malfunctions (Loss of RC Flow): RCS flow	3.8	43
025 / Loss of Residual Heat Removal System / 4		х					AK1.01	Knowledge of the operational implications of the following concepts as they apply to Loss of Residual Heat Removal System: Loss of RHRS during all modes of operation	3.9	44

McGuire 2007 NRC Written Examination Outline Emergency and Abnormal Plant Evolutions – Tier 1 Group 1

E/APE # / Name Safety Function	G	K1	K2	К3	A1	A2	Number	K/A Topic(s)	Imp	Q#
026 / Loss of Component Cooling Water / 8				х			AK3.03	Knowledge of the reasons for the following responses as they apply to the Loss of Component Cooling Water: Guidance for actions contained in EOP for loss of CCW	4.0	45
027 / Pressurizer Pressure Control System Malfunction / 3		х					AK1.02	Knowledge of the operational implications of the following concepts as they apply to Pressurizer Pressure Control Malfunctions: Expansion of liquids as temperature increases	2.8	46
038 / Steam Generator Tube Rupture / 3					х		EA1.20	Ability to operate and monitor the following as they apply to a SGTR: AFW flow control valve reset switches and indicators	3.8	47
040 / Steam Line Rupture / 4		х					AK1.07	Knowledge of the operational implications of the following concepts as they apply to Steam Line Rupture: Effects of feedwater introduction on dry S/G	3.4	48
055 / Station Blackout / 6				х			EK3.02	Knowledge of the reasons for the following responses as they apply to the Station Blackout: Actions contained in EOP for loss of offsite and onsite power	4.3	49
056 / Loss of Off-site Power / 6					х		AA1.04	Ability to operate and / or monitor the following as they apply to the Loss of Offsite Power: Adjustment of speed of ED/G to maintain frequency and voltage levels	3.2	50
057 / Loss of Vital AC Electrical Instrument Bus / 6						х	AA2.06	Ability to determine and interpret the following as they apply to the Loss of Vital AC Instrument Bus: AC instrument bus alarms for the inverter and alternate power source	3.2	51
058 / Loss of DC Power / 6	x						2.4.50	Emergency Procedures / Plan Ability to verify system alarm setpoints and operate controls identified in the alarm response manual.	3.3	52
062 / Loss of Nuclear Service. Water / 4					х		AA1.05	Ability to operate and / or monitor the following as they apply to the Loss of Nuclear Service Water: The CCWS surge tank, including level control and level alarms, and radiation alarm	3.1	53
065 / Loss of Instrument Air / 8				х			AK3.08	Knowledge of the reasons for the following responses as they apply to the Loss of Instrument Air: Actions contained in EOP for loss of instrument air	3.7	54
E04 / LOCA Outside Containment / 3				х			EK3.3	Knowledge of the reasons for the following responses as they apply to the (LOCA Outside Containment) Manipulation of controls required to obtain desired operating results during abnormal and emergency situations.	3.8	55

McGuire 2007 NRC Written Examination Outline Emergency and Abnormal Plant Evolutions – Tier 1 Group 1

E/APE # / Name Safety Function	G	K1	K2	K3	A1	A2	Number	K/A Topic(s)	Imp	Q#
E12 / Uncontrolled Depressurization of all Steam Generators / 4					х		EA1.2	Ability to operate and / or monitor the following as they apply to the (Uncontrolled Depressurization of all Steam Generators) Operating behavior characteristics of the facility.	3.6	56
K/A Category Point Totals:	5	4	1	4	5	5	Group Point Total:			24

NUREG-1021

Form ES-401-2

McGuire 2007 NRC Written Examination Outline Emergency and Abnormal Plant Evolutions – Tier 1 Group 2

E/APE # / Name Safety Function	G	K1	K2	КЗ	A1	A2	Number	K/A Topic(s)	Imp	Q#
005 / Inoperable/Stuck Control Rod / 1	X						2.4.4	Emergency Procedures / Plan Ability to recognize abnormal indications for system operating parameters which are entry-level conditions for emergency and abnormal operating procedures.	4.3	82
051 / Loss of Condenser Vacuum / 4						x	AA2.02	Ability to determine and interpret the following as they apply to the Loss of Condenser Vacuum: Conditions requiring reactor and/or turbine trip	4.1	83
061 / Area Radiation Monitoring (ARM) System Alarms / 7						х	AA2.05	Ability to determine and interpret the following as they apply to the Area Radiation Monitoring (ARM) System Alarms: Need for area evacuation; check against existing limits	4.2	84
069 / Loss of Containment Integrity / 5	×						2.1.14	Conduct of Operations: Knowledge of system status criteria which require the notification of plant personnel.	3.3	85
003 / Dropped Control Rod / 1				x			AK3.07	Knowledge of the reasons for the following responses as they apply to the Dropped Control Rod: Tech-Spec limits for T-ave	3.8	57
028 / Pressurizer Level Control Malfunction / 2						х	AA2.01	Ability to determine and interpret the following as they apply to the Pressurizer Level Control Malfunctions: PZR level indicators and alarms	3.4	58
032 / Loss of Source Range Nuclear Instrumentation / 7					х		AA1.01	Ability to operate and / or monitor the following as they apply to the Loss of Source Range Nuclear Instrumentation: Manual restoration of power	3.1	59
036 / Fuel Handling Incidents / 8		х					AK1.03	Knowledge of the operational implications of the following concepts as they apply to Fuel Handling Incidents: Indications of approaching criticality	4.0	60
059 / Accidental Liquid RadWaste Release / 9			x				AK2.01	Knowledge of the interrelations between the Accidental Liquid Radwaste Release and the following: Radioactive-liquid monitors	2.7	61
060 / Accidental Gaseous RadWaste Release / 9				х			AK3.02	Knowledge of the reasons for the following responses as they apply to the Accidental Gaseous Radwaste: Isolation of Auxiliary Building Ventilation	3.3	62
067 / Plant Fire On-site / 8	х						2.1.23	Conduct of Operations: Ability to perform specific system and integrated plant procedures during all modes of plant operation.	3.9	63
E08 / Pressurized Thermal Shock / 4	х						2.1.27	Conduct of Operations: Knowledge of system purpose and or function.	2.8	64

ES-401	McGuire	Form ES-401-2
	2007 NRC Written Examination Outline	
	Emergency and Abnormal Plant Evolutions - Tier 1 Group 2	

E/APE # / Name Safety Function	G	K1	K2	K3	A1	A2	Number	K/A Topic(s)	Imp	Q#
E10 / Natural Circulation with Steam Void in Vessel with/without RVLIS / 4			х				EK2.2	Knowledge of the interrelations between the (Natural Circulation with Steam Void in Vessel with/without RVLIS) and the following: Facility's heat removal systems, including primary coolant, emergency coolant, the decay heat removal systems, and relations between the proper operation of these systems to the operation of the facility.	3.6	65
K/A Category Point Total:	4	1	2	2	1	3	Group Point T	otal:		13

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System #/Name	G	K1	K2	КЗ	K4	K5	K6	A1	A2	A3	A4	Number	K/A Topics	Imp	Q#
010 Pressurizer Pressure Control									x			A2.03	Ability to (a) predict the impacts of the following malfunctions or operations on the PZR PCS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: PORV failures	4.2	86
025 Ice Condenser									x			A2.04	Ability to (a) predict the impacts of the following malfunctions or operations on the ice condenser system; correct, control, or mitigate the consequences of those malfunctions or operations: Containment isolation	3.2	87
061 Auxillary/Emergency Feedwater	X											2.1.2	Conduct of Operations: Knowledge of operator responsibilities during all modes of plant operation.	4.0	88
073 Process Radiation Monitoring	X											2.4.4	Emergency Procedures / Plan Ability to recognize abnormal indications for system operating parameters which are entry-level conditions for emergency and abnormal operating procedures.	4.3	89
076 Service Water									х			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	3.1	90
003 Reactor Coolant Pump											х	A4.05	Ability to manually operate and/or monitor in the control room: RCP seal leakage detection instrumentation	3.1	1
003 Reactor Coolant Pump		х										K1.01	Knowledge of the physical connections and/or cause-effect relationships between the RCPS and the following systems: RCP lube oil	2.6	2
004 Chemical and Volume Control			х									K2.02	Knowledge of bus power supplies to the following: Makeup pumps	2.9	3
005 Residual Heat Removal								х				A1.01	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the RHRS controls including: Heatup/cooldown rates	3.5	4
006 Emergency Core Cooling						x						K5.08	Knowledge of the operational implications of the following concepts as they apply to ECCS: Operation of pumps in parallel	2.9	5
006 Emergency Core Cooling		x										K1.10	Knowledge of the physical connections and/or cause effect relationships between the ECCS and the following systems: Safety injection tank heating system	2.6	6

System #/Name	G	K1	K2	K3	K4	K5	K6	A1	A2	A3	A4	Number	K/A Topics	Imp	Q#
007 Pressurizer Relief/Quench Tank								x				A1.02	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the PRTS controls including: Maintaining quench tank pressure	2.7	7
007 Pressurizer Relief/Quench Tank				х								K3.01	Knowledge of the effect that a loss or malfunction of the PRTS will have on the following: Containment	3.3	8
008 Component Cooling Water		х										K1.01	Knowledge of the physical connections and/or cause-effect relationships between the CCWS and the following systems: SWS	3.1	9
010 Pressurizer Pressure Control			х									K2.01	Knowledge of bus power supplies to the following: PZR heaters	3.0	10
012 Reactor Protection											х	A4.04	Ability to manually operate and/or monitor in the control room: Bistable, trips, reset and test switches	3.3	11
013 Engineered Safety Features Actuation	х											2.1.33	Conduct of Operations: Ability to recognize indications for system operating parameters which are entry-level conditions for technical specifications.	3.4	12
013 Engineered Safety Features Actuation				х								K3.02	Knowledge of the effect that a loss or malfunction of the ESFAS will have on the following: RCS	4.3	13
022 Containment Cooling					х							K4.02	Knowledge of CCS design feature(s) and/or interlock(s) which provide for the following: Fan speed and flow path changes with Containment pressure	3.1	14
025 Ice Condenser		х										K1.02	Knowledge of the physical connections and/or cause-effect relationships between the ice condenser system and the following systems: Refrigerant systems	2.7	15
026 Containment Spray				х								K3.02	Knowledge of the effect that a loss or malfunction of the CSS will have on the following: Recirculation spray system	4.2	16
039 Main and Reheat Steam									х			A2.01	Ability to (a) predict the impacts of the following mal- functions or operations on the MRSS; and (b) based on predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Flow paths of steam during a LOCA	3.1	17
059 Main Feedwater								х				A1.07	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the MFW controls including: Feed Pump speed, including normal control speed for ICS	2.5	18

System #/Name	G	K1	K2	K3	K4	K5	K6	A1	A2	A3	A4	Number	K/A Topics	Imp	Q#
059 Main Feedwater										х		A3.02	Ability to monitor automatic operation of the MFW, including: Programmed levels of the S/G	2.9	19
061 Auxillary/Emergency Feedwater	х											2.1.32	Conduct of Operations: Ability to explain and apply all system limits and precautions.	3.4	20
061 Auxillary/Emergency Feedwater							х					K6.02	Knowledge of the effect of a loss or malfunction of the following will have on the AFW components: Pumps	2.6	21
062 AC Electrical Distribution			х									K2.01	Knowledge of bus power supplies to the following: Major system loads	3.3	22
063 DC Electrical Distribution										х		A3.01	Ability to monitor automatic operation of the dc electrical system, including: Meters, annunciators, dials, recorders, and indicating lights	2.7	23
064 Emergency Diesel Generator	х											2.4.4	Emergency Procedures / Plan Ability to recognize abnormal indications for system operating parameters which are entry-level conditions for emergency and abnormal operating procedures.	4.0	24
073 Process Radiation Monitoring											х	A4.01	Ability to manually operate and/or monitor in the control room Effluent release	3.9	25
076 Service Water								х				A1.02	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the SWS controls including: Reactor and turbine building closed cooling water temperatures.	2.6	26
078 Instrument Air	х											2.1.32	Conduct of Operations: Ability to explain and apply all system limits and precautions.	3.4	27
103 Containment										х		A3.01	Ability to monitor automatic operation of the containment system, including: Containment isolation	3.9	28
K/A Category Point Totals:	6	4	3	3	1	1	1	4	4	3	3	Group F	Point Total:		33

System #/Name	G	K1	K2	КЗ	K4	K5	K6	A1	A2	A3	A4	Number	K/A Topics	Imp	Q#
017 In-core Temperature Monitor									X			A2.01	Ability to (a) predict the impacts of the following malfunctions or operation on the ITM system; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Thermocouple open and short circuits	3.5	91
034 Fuel Handling Equipment	X											2.2.22	Equipment Control Knowledge of limiting conditions for operations and safety limits.	4.1	92
045 Main Turbine Generator									x			A2.11	Ability to (a) predict the impacts of the following malfunctions or operation on the MT/G system; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Control problems in primary, e.g., axial flux imbalance; need to reduce load on secondary	2.9	93
002 Reactor Coolant							х					K6.07	Knowledge of the effect or a loss or malfunction on the following RCS components: Pumps	2.5	29
015 Nuclear Instrumentation						х						K5.07	Knowledge of the operational implications of the following concepts as they apply to the NIS: Effects of burning on axial flux density	2.7	30
027 Containment Iodine Removal		х										K1.01	Knowledge of the physical connections and/or cause-effect relationships between the CIRS and the following systems: CSS	3.4	31
028 Hydrogen Recombiner and Purge Control								х				A1.01	Ability to predict and/or monitor changes in parameter (to prevent exceeding design limits) associated with operating the HRPS controls including: Hydrogen concentration	3.4	32
035 Steam Generator						х						K5.01	Knowledge of operational implications of the following concepts as the apply to the S/GS: Effect of secondary parameters, pressure, and temperature on reactivity	3.4	33
045 Main Turbine Generator									x			A2.17	Ability to (a) predict the impacts of the following malfunctions or operation on the MT/G system; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Malfunction of electrohydraulic control	2.7	34
055 Condenser Air Removal				х								K3.01	Knowledge of the effect that a loss or malfunction of the CARS will have on the following: Main condenser	2.5	35
071 Waste Gas Disposal					х							K4.05	Knowledge of design feature(s) and/or interlock(s) which provide for the following: Point of release	2.7	36

System #/Name	G	K1	K2	КЗ	K4	K5	K6	A1	A2	A3	A4	Number	K/A Topics	mp	Q#
079 Station Air									x			A2.01	Ability to (a) predict the impacts of the following malfunctions or operation on the Service Air system; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Cross-connection with IAS	2.9	37
086 Fire Protection							х					K6.04	Knowledge of the effect of a loss or malfunction on the Fire Protection System following will have on the following: Fire, smoke, and heat detectors		38
K/A Category Point Totals:	1	1	0	1	1	2	2	1	4	0	0	Group Poir	: Total:		13

Facility:	McGuir	e Date of Exam:	3/19/2007				
142.700	1614 11	Tania	R	0	SRO-Only		
Category	K/A #	Topic	IR	Q#	IR	Q#	
	2.1.4	Knowledge of shift staffing requirements.			3.4	94	
1. Conduct of Operations	2.1.20	Ability to execute procedure steps.			4.2	95	
	2.1.10	Knowledge of conditions and limitations in the facility license.	2.7	66			
	2.1.8	Ability to coordinate personnel activities outside the control room.	3.8	67			
	Subtota			2		2	
2. Equipment Control	2.2.11	Knowledge of the process for controlling temporary changes.			3.4	96	
	2.2.30	Knowledge of RO duties in the control room during fuel handling such as alarms from fuel handling area, communication with fuel storage facility, systems operated from the control room in support of fueling operations, and supporting instrumentation.	3.5	68			
	2.2.2	Ability to manipulate the console controls as required to operate the facility between shutdown and designated power levels.	4.0	69			
	2.2.3	(multi-unit) Knowledge of the design, procedural, and operational differences between units.	3.1	70			
	Subtota	1		3		1	
3. Radiation Control	2.3.3	Knowledge of SRO responsibilities for auxiliary systems that are outside the control room (e.g., waste disposal and handling systems).			2.9	97	
	2.3.9	Knowledge of the process for performing a containment purge.			3.4	98	
	2.3.10	Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.	2.9	71			
	2.3.4	Knowledge of radiation exposure limits and contamination control, including permissible levels in excess of those authorized.	2.5	72			
	Subtota	al		2		2	
4. Emergency Procedures / Plan	2.4.27	Knowledge of fire in the plant procedure.			3.5	99	
	2.4.45	Ability to prioritize and interpret the significance of each annunciator or alarm.			3.6	100	
	2.4.24	Knowledge of loss of cooling water procedures.	3.3	73			
	2.4.32	Knowledge of operator response to loss of all annunciators.	3.3	74			
	2.4.18	Knowledge of the specific bases for EOPs.	2.7	75			
	Subtota	al		3		2	
Tier 3 Point Total				10		7	

Tier / Group	Randomly Selected K/A	Reason for Rejection
1/1	055 G2.1.27	#81 - Topic not suitable for SRO level test item for any of the 10CFR55.43(b) requirements. Randomly selected G2.1.20 to replace
1/1	011 EA2.09	#42 - Natural Circulation will not exist during a LBLOCA, making topic implausible. Randomly selected EA2.13 from 011 topic to replace
2/1	005 A1.06	#4 – Test not performed at facility. Randomly selected A1.01 from 005 topic area.
1/1	009 EA2.07	#77 - No action available for topic. Impossible to develop a test item at SRO level. Randomly selected EA2.23 for 009 topic area
1/1	026 AK3.01	#45 - Automatic action does not occur at facility. Randomly selected AK3.03 for 026 topic
1/2	060 AK3.03	#62 - Not an Operations Department responsibility; no Operations procedures available. Randomly selected AK3.02 for 060 APE topic
2/1	022 K4.05	#14 - Not a plausible condition at facility. Randomly replaced with K4.02 for 022 topic area
2/1	073 A4.03	#25 - Not an Operations Dept responsibility at facility. Randomly replaced with A4.01 for 073 topic area