

**Draft Submittal**

**MCGUIRE JUNE 2003 EXAM  
50-369/2003-301 AND  
50-370/2003-301**

**JUNE 16 - 30, 2003**

1. Written Exam Sample outlines

Facility: McGuire		Date of Exam: Weeks of June 16 and 23, 2003																							
Tier	Group	RO K/A Category Points											Point Total	SRO-Only Points											
		K 1	K 2	K 3	K 4	K 5	K 6	A 1	A 2	A 3	A 4	G *		K	A	A 2	G*	Total							
1. Emergency & Abnormal Plant Evolutions	1	6	2	3				3	2				2	24	18		7	0	7						
	2	2	2	2				1	1				1	46	9		4	1	5						
	3													3											
	Tier Totals	8	4	5				4	3				3	43	27		1	1	12						
2. Plant Systems	1	2	1	3	4	3	2	3	3	2	3	2	49	28		1	3	4							
	2	1	2	1	1	1	1	0	0	2	0	1	47	10		1	1	2							
	3												4												
	Tier Totals	3	3	4	5	4	3	3	3	4	3	3	40	38		2	4	6							
3. Generic Knowledge and Abilities Categories				Cat 1		Cat 2		Cat 3		Cat 4		47		10		1		2		3		4		7	
				2		2		3		3						2		2		1		2			

Note: 1. Ensure that at least two topics from every K/A category are sampled within each tier of the F (not be less than two). Refer to Section D.1.c for additional guidance regarding SRO sampling.

2. The point total for each group and tier in the proposed outline must match that specified in the table above. The final RO exam must deviate by  $\pm 1$  from that specified in the table based on NRC revisions. The final RO exam must be based on the points.

3. Select topics from many systems and evolutions; avoid selecting more than two or three K/A 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 (G) K/As in Tiers 1 and 2 shall be selected from Section 2 of the K/A Catalog, by system. The SRO K/As must also be linked to 10 CFR 55.43 or an SRO-level learning objective.

7. On the following pages, enter the K/A numbers, a brief description of each topic, the topics' importance ratings, and the point totals for each system and category. K/As below 2.5 should be justified on the following pages. Summarize all the SRO-only knowledge and not RO knowledge. Use duplicate pages for RO and SRO-only exams.

h. For Tier 3, enter the K/A numbers, descriptions, importance ratings, and point totals on Form ES-401, Attachment 2, for guidance regarding the elimination of inappropriate K/A.

i. Refer to ES-401, Attachment 2, for guidance regarding the elimination of inappropriate K/A.

PWR Examination Outline Emergency and Abnormal Event Examinations - The Database																Form ES-03-3									
EAPE # / Name / Safety Function	K	1	K	2	K	3	A	1	A	2	G	K/A Topic(s)	Imp.	Points	Question	Level	Lesson Plan	Source Information				New	Memory	Comp	Analysis
																		NRC	Bank	Mod					
000007 Reactor Trip - Stabilization - Recovery / I										1.04		Ability to operate and monitor the following as they apply to a reactor trip: RCP operation and flow rates	3.6	1	63.1	RO				X				X	
000008 Pressurizer Vapor Space Accident / III										2.06		Ability to determine and interpret the following at they apply to the Pressurizer Vapor Space Accident: PORV logic control under low-pressure conditions	3.3	1	1022	RO					X		X		
000009 Small Break LOCA / III										3.13		Knowledge of the reason for the following responses as they apply to the small break LOCA: Stopping the affected RCP	3.4	1	1025	RO					X		X		
000011 Large Break LOCA												Deslected													
000015/17 RCP Malfunctions / 4										2.01		Ability to determine and interpret the following as they apply to the RCP Malfunction: Cause of RCP failure	3.00	1	1023.00	RO					X		X		
000022 Loss of Reactor Coolant Makeup / II										1.01		Knowledge of the operational implication of the following concepts as they apply to the Loss or Reactor Coolant Pump Makeup: Consequences of thermal shock to RCP seals.	2.8	1	1026	RO					X		X		
000025 Loss of RHR System / IV										2.02		Knowledge of the interrelations between the Loss of RHR System and the following: LPI or Decay Heat Removal/RHR pumps.	3.2	1	1027	RO					X		X		
000025 Loss of RHR System / IV										2.05		Ability to determine and interpret the following as they apply to the Loss of RHR System: Implications of LPI flow and temperature rates of change.	3.1			SRO									
000026 Loss of Component Cooling Water / 8											2.44	Ability to diagnose and recognize trends in an accurate and timely manner utilizing the appropriate control room reference material. 2.4.47	3.4	1		RO									
000027 Pressurizer Pressure Control System Malfunction / 3										3.03		Knowledge of the interrelations between the Pressurizer Pressure Control Malfunctions and the following: Actions contained in EOP for Pz PCS malfunctions.	3.7	1	1024	RO					X		X		
000029 ATWS										1.01		Knowledge of the operational implications of the following concepts as they apply to the ATWS: Reactor nucleonics and thermo-hydraulics behavior.	2.8	1		RO									
000029 ATWS											2.02	Ability to determine and interpret the following as they apply to a ATWS: Reactor trip alarm.	4.2		1035	SRO					X				
000038 Steam Generator Tube Rupture / III										1.02		Knowledge of the operational implications of the following concepts as they apply to the SGTR: Leak rate vs. pressure drop	3.2	1		RO									
000040 W/E12 Steam Line Rupture- Excessive Heat Transfer / 4											3.01	Knowledge of the reason for the following responses as they apply to the Steam Line Rupture: Operation of steam line isolation valves	4.2	1	1028	RO					X		X		
000040 W/E12 Steam Line Rupture - Excessive Heat Transfer / 4											1.30	(W/E12) Ability to operate and or monitor the following as they apply to the (Uncontrolled Depressurization of all Steam Generators) Desired operating results during abnormal and emergency situations.	3.4	1	593.1	RO			X				X		
000040 W/E12 Steam Line Rupture- Excessive Heat Transfer / 4											2.10	(Uncontrolled Depressurization of all Steam Generators) Facility conditions and selection of appropriate protective action during abnormal and emergency situations.	3.2	1	1037	SRO					X		X		
000054 Loss of Main Feedwater / IV											2.04	Ability to determine and interpret the following as they apply to the Loss of Main Feedwater: Proper operation of RHR pumps and regulating valves.	4.2	1	985.1	SRO					X		X		
000055 Station Blackout / 6										1.02		Ability to operate and monitor the following as they apply to a Station Blackout: Manual ED/G start.	4.3	1	1038	RO					X		X		
000056 Loss of Offsite Power / 6											1.04	Knowledge of the operational implications of the following concepts as they apply to Loss of Offsite Power: Definition of saturation conditions, implications for the systems.	3.1	1		RO									



PWR Examination Outline Emergency and Abnormal Plant Excursions - Test Group 2																							
E/APE # / Name / Safety Function	K	1	K	2	K	3	A	1	A	2	G	K/A Topic(s)	Imp.	Points	Level	Bank Question	Lesson Plan	NRC Bank	Mod	New	Memory	Comp	Analysis
000001 Continuous Rod Withdrawal / I												Deslected											
000003 Dropped Control Rod / I	1.07											Knowledge of the operational implications of the following concepts as they apply to Dropped Control Rod: Effect of dropped rod on insertion limits and SDM.	3.1	1	RO	1029				X			X
000005 Inoperable/Stuck Control Rod / I												Deslected											
000024 Emergency Borzition / I												Deslected											
000028 Reactor Core Cooling System Malfunction / 2											2.09	Ability to operate and/or monitor the following as they apply to the Pressurizer Control Malfunction: Changing and following flow capabilities.	3.2		SRO	902.1							X
000032 Loss of Source Range N1 / 7												Deslected											
000033 Loss of Intermediate Range N1 / 7												Deslected											
000036 Fuel Handling Accident / 3											2.02	Ability to determine and interpret the following as they apply to the Fuel Handling Accident: Magnitude of potential radioactive release.	3.1		SRO								
000037 Steam Generator Tube Leak												Deslected											
000051 Loss of Condenser Vacuum / IV											3.01	Knowledge for the reasons for the following responses as they apply to the Loss of Condenser Vacuum: Loss of steam dump capacity upon loss of condenser vacuum.	2.8	1	RO	373.1				X			X
000051 Loss of Condenser Vacuum / IV											1.04	Ability to operate and/or monitor the following as they apply to the Loss of Condenser Vacuum: Rod position.	2.5	1	RO	963.1				X			X
000059 Accidental Liquid RadWaste Rel / 8												Deslected											
000060 Accidental Gaseous RadWaste Rel / 8											2.3.3	Knowledge of SRO responsibilities for accident systems that are outside the control room (e.g. waste disposal and handling systems).	2.9	1	SRO								
000061 ARM System Alarms / 7												Deslected											
000067 Plant Fire On-site / 8											3.02	Knowledge of the reason for the following responses as they apply to the Plant Fire on Site: Steps called out in the site fire protection plan, FPS manual, and fire zone manual.	2.5	1	RO								
000068 Control Room Evac / 8											2.04	Ability to determine and interpret the following as they apply to the Control Room Evacuation: S/G Pressure	3.7	1	RO	1034				X			X
000069 (W/E14) Loss of CTMT Integrity / V												Deslected											
000074 (W/E06&E07) Inert Core Cooling / IV											2.10	(E07) Ability to determine and interpret the following as they apply to the (Saturated Core Cooling) Facility conditions and selection of appropriate procedures during abnormal and emergency conditions.	4.0	1	SRO	776.1							
000076 High Reactor Coolant Activity / 9												Deslected											

[illegible]

24	Sampled
24	Target Sample

ES-401 PWR Examination Outline - Form ES-401-3 Plant Systems - Unit 1 Group 1												
System # / Name	K 1	K 2	K 3	K 4	K 5	K 6	A 1	A 2	A 3	A 4	G	K/A Topic(s)
003 Reactor Coolant Pump						6.04						Knowledge of the effect of a loss or malfunction on the following will have on the RCS: Containment isolation valves affecting RCP operation.
003 Reactor Coolant Pump												Ability to monitor automatic operation of the RCS, including: Seal D/P
004 Chemical Volume and Control	1.16							3.03				Knowledge of the physical connections and/or cause-effect relationships between the CVCS and the following systems: Boric acid storage tank
005 Residual Heat Removal						6.03						Knowledge of the effect of a loss or malfunction on the following will have on the RHRS: RHR heat exchanger.
006 Emergency Core Cooling												Knowledge of the effect that a loss or malfunction of the ECCS will have on the following: RCS
006 Emergency Core Cooling												Knowledge of the process for determining if the PZR needs to be charged (A2.02) Ability to predict impacts of the following malfunctions or operations on P, S, and (R) based on those predictions, use procedures to correct, control, etc. Abnormal pressure in the PRT
007 Pressurizer Relief/Quench Tank							2					Ability to manually operate and/or monitor in the control room: Remote operation of hand-operated throttle valves to regulate COW flow rate.
008 Component Cooling Water									4.06			Knowledge of the operational implications of the following concepts as they apply to the PZR PCS: Determination of condition of fluid in PZR, using steam tables.
010 Pressurizer Pressure Control					5.01							(2.1.31) Ability to locate control room switches, controls and indications and to determine that they are correctly reflecting the desired plant lineup.
010 Pressurizer Pressure Control												Knowledge of the operational implications of the following concepts as they apply to the RPS: DNB
012 Reactor Protection												Knowledge of the effect that a loss or malfunction of the RPS will have on the following: T/G
012 Reactor Protection			3.02									Knowledge of design feature(s) and/or interlock(s) which provide for...Vital power load control
013 Engineered Safety Features Actuation					4.11							Knowledge of the power supplies to the following: Containment cooling fans.
022 Containment Cooling		2.01										(2.1.12) Ability to apply Technical Specifications
022 Containment Cooling												Knowledge of the effect that a loss or malfunction of the ice condenser system will have on the following: Containment
025 Ice Condenser			3.01									(2.2.22) Knowledge of limiting conditions for operations
025 Ice Condenser												(2.4.50) Ability to verify system alarm setpoints and operate controls identified in the alarm response manual.
026 Containment Spray												Ability to predict and/or monitor changes in parameters associated with operating the MRSS controls including: Main steamline radiation monitors.
039 Main and Reheat Steam							1.09					

[illegible]



Form ES-001-3																																	
PWR Examination Outline Plant Systems - Tier 2 Group 2																																	
System # / Name	K	1	K	2	K	3	K	4	K	5	K	6	A	1	A	2	A	3	A	4	G	K/A Topic(s)	Imp.	Points	Level	Question	NRC	Bank	Mod	New	Memory	Comp	Analysis
001 Control Rod Drive											2.05											Knowledge of the bus power supplies to the following: M/G sets	3.1	1	RO	1040					X		
002 Reactor Coolant												5.06										Knowledge of the effect or a loss or malfunction on the following RCS components: Sensors and Detectors	2.5	1	RO	1043				X		X	
011 Pressurizer Level Control																						Deslected											
014 Rod Position Indication													4.02									Ability to manually operate and/or monitor in the control room: Control rod mode-select switch.	3.4	1	RO	1044				X	X		
015 Nuclear Instrumentation											3.03											Deslected											
016 Non-nuclear Instrumentation																						Knowledge of the operational implication of the following concepts as they apply to the NNIS: Separation of control and protection circuits.	2.7	1	RO								
017 In-core Temperature Monitor																				3.01		Ability to monitor automatic operation of the ITM system including: Indications of normal, natural, and interrupted circulation of the RCS.	3.6	1	RO	911.1		X			X		
027 Containment Iodine Removal											1.01											Knowledge of the physical connections and/or cause-effect relationships between the CIRS and the following systems: CSS	3.4	1	RO								
028 Hydrogen Recombiner and Purge Control											2											(2.01) Knowledge of bus power supplies to the following: Hydrogen recombiners	2.5	1	RO	1041				X	X		
028 Containment Purge											4.02											Knowledge of design feature(s) and/or interlock(s) which provide for the following: Negative pressure in containment.	2.9	1	RO	28.1		X					X
033 Special Fuel Pool Cooling																						Ability to predict the impacts of the following malfunctions or combinations: Loss of SFRCS.	3.3	1	SFO	892.3		X					X
034 Fuel Handling Equipment																						Deslected											
035 Steam Generator																						Deslected											
041 Steam Dump/Turbine Bypass Control																						(2.4.70) Knowledge of operational indication of EP warnings: Leakticks and 2.4.70 leaks	3.3	1	SFO								
045 Main Turbine Generator																						Deslected											
055 Condenser Air Removal											3.01											Knowledge of the effect that a loss or malfunction of the CARS will have on the following: Main condenser	2.5	1	RO	547.2		X				X	
068 Liquid Radwaste																						Deslected											
071 Waste Gas Disposal																						Deslected											
072 Area Radiation Monitoring																				3.01		Ability to monitor automatic operation of the ARM system including: Changes in ventilation alignment	2.9	1	RO	976.1			X				X

17 Target Sample	17 Sampled
21 SRO systems - 17 SRO K/As	
207 RO K/As are imported	
Randomly delete 37 SRO K/As - make RO only	

McGuire Sample Plan

PWR SRO Examination Outline

ES-401-4

Facility: McGuire				Date of Exam: 7/29/02				Exam Level: SRO							
		K/A Category Points											Point		
Tier	Group	K 1	K 2	K 3	K 4	K 5	K 6	A 1	A 2	A 3	A 4	G	Total	Target	
1 Emergency & Abnormal Plant Evolutions	1	4	2	5				3	8			2	24	24	
	2	1	1	3				5	6			0	16	16	
	3	0	0	1				1	1			0	3	3	
	Tier Totals	5	3	9				9	15			2	43	43	
2 Plant Systems	1	3	2	2	5	1	0	0	0	1	3	2	19	19	
	2	1	0	2	0	1	2	4	3	2	1	1	17	17	
	3	0	0	1	1	0	0	0	2	0	0	0	4	4	
	Tier Totals	4	2	5	6	2	2	4	5	3	4	3	40	40	
3 Generic Knowledge and Abilities					Cat 1		Cat 2		Cat 3		Cat 4				
					4		4		5		4		17	17	
<p><b>Notes:</b> 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).</p> <p>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.</p> <p>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.</p> <p>4 Systems/evolutions within each group are identified on the associated outline.</p> <p>5 The shaded areas are not applicable to the category/tier.</p> <p>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.</p> <p>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.</p>															Totals

## SRO Exam Vital Statistics

### Source of Questions

NRC Exams	0
Utility Bank	0
New	0
Modified	<u>0</u>
	0

### Level of Knowledge

Memory	0
Comprehension	0
Analysis	<u>0</u>
	0

Repeat of Audit Questions 0

### 10 CFR 55.43 Cross References

Question	Sub Part (b)
1 SRO Only	5
2 SRO Only	5
3 SRO Only	5
4 SRO Only	5
5 SRO Only	5
6 SRO Only	5
7 SRO Only	5
8 SRO Only	1
9 SRO Only	3
10 SRO Only	4
11 SRO Only	2

Form ES-401-3									
Emergency and Abnormal Plant Evolutions - Tier 1 (Group 1)									
EAPE # / Name / Safety Function	K/A Topic(s)					Imp.	Points	Question	Level
	K	K	K	A	A				
	1	2	3	1	2				
000007 Reactor Trip - Stabilization - Recovery / I				1.04		3.6	1	63.1	RO
								X	
000008 Pressurizer Vapor Space Accident / III				2.06		3.3	1	1022	RO
000009 Small Break LOCA / III			3.13			3.4	1	1025	RO
000011 Large Break LOCA									
000015/17 RCP Malfunctions / 4				2.01		3.00	1	1023.00	RO
000022 Loss of Reactor Coolant Makeup / II	1.01					2.8	1	1026	RO
000025 Loss of RHR System / IV		2.02				3.2	1	1027	RO
000025 Loss of RHR System / IV					2.05	3.1	1		SRO
000026 Loss of Component Cooling Water / 8						3.4	1		RO
000027 Pressurizer Pressure Control System Malfunction / 3			3.09			3.7	1	1024	RO
000029 ATWS	1.01					2.8	1		RO
000029 ATWS						4.2	1	1035	SRO
000038 Steam Generator Tube Rupture / III	1.02					3.2	1		RO
000040 W/E12 Steam Line Rupture - Excessive Heat Transfer / 4			3.01			4.2	1	1028	RO
000040 W/E12 Steam Line Rupture - Excessive Heat Transfer / 4					1.30	3.4	1	593.1	RO
000040 W/E12 Steam Line Rupture - Excessive Heat Transfer / 4						4.2	1	1027	SRO
000044 Loss of Main Feedwater / IV					2.04	4.2	1	596.1	SRO
000055 Station Blackout / 6			1.02			4.3	1	1036	RO
000056 Loss of Offsite Power / 6	1.04					3.1	1		RO



Form ES-401.3												
Form ES-401.3												
Emergency and Abnormal Plant Evolutions - Test Group 2												
EAPE # / Name / Safety Function	K/A Topic(s)						Imp.	Points	Level	Bank Question	Lesson Plan	Source Information
	K	K	K	A	A	A						
000001 Continuous Rod Withdrawal / I												
000003 Dropped Control Rod / I	1.07						3.1	1	RO	1029		X
000005 Inoperable/Stack Control Rod / I												
000024 Emergency Boron / I												
000028 Pressurizer Level Maintenance / I							3.2	1	SRO	1021		X
000032 Loss of Source Range / I / 7												
000033 Loss of Intermediate Range / I / 7												
000036 Fuel Handling Accident / I / 8							3.1	1	SRO			
000037 Steam Generator Tube Leak												
000051 Loss of Condenser Vacuum / IV	3.01						2.8	1	RO	379.1	X	X
000051 Loss of Condenser Vacuum / IV	1.04						2.5	1	RO	963.1	X	X
000059 Accidental Liquid Rad/Waste Rel / 8												
000060 Accidental Gaseous Backflow Rel / 8							2.8	1	SRO			
000061 ARM System Alarms / 7												
000067 Plant Fire On-site / 8	3.02						2.5	1	RO			
000068 Control Room Evac / 8							3.7	1	RO	1034		X
000069 (W/E14) Loss of CTMT Integrity / V												
000074 (W/E044/E07) React. Core Cooling / IV	2.10						4.0	1	SRO	763.1	X	X
000076 High Reactor Cooldown Activity / 9												

[illegible]



JD4/02/2003



Form ES-401.3												
Form ES-401.3												
System # / Name	K	K	K	K	K	K	K	K	K	K	K	K
	1	2	3	4	5	6	1	2	3	4	A	G
K/A Topic(s)	Imp	Points	Level	Question	NRC	Bank	Med	New	Memory	Comp	Analysis	
001 Control Rod Drive	2.05		RO	1040				X	X			
002 Reactor Coolant			RO	1043				X		X		
001 Pressurizer Level Control												
004 Rod Position Indication	4.02		RO	1044				X	X			
005 Nuclear Instrumentation	3.03											
006 Non-nuclear Instrumentation	5.01		RO									
007 In-core Temperature Monitor	3.01		RO	911.1		X			X			
007 Containment Iodine Removal	1.01		RO									
008 Hydrogen Recombiner and Purge Control	2		RO	1041				X	X			
009 Containment Purge	4.02		RO	28.1		X				X		
003 Spent Fuel Pool Cooling	4.02		RO	992.1								
004 Fuel Handling Equipment												
005 Steam Generator												
004 Steam Turbine Bypass Control			RO									
005 Main Turbine Generator												
005 Condenser Air Removal	3.01		RO	547.2		X				X		
006 Liquid Radiative												
007 Waste Gas Disposal												
002 Area Radiation Monitoring	3.01		RO	976.1		X			X			



ES-401 General Knowledge and Abilities Outline (Item 3)																	
Form ES-401-5																	
Facility: McGuire		Date of Exam: 8/30/2003															
Category	K/A #	Topic	Exam Level	Imp.	Points	Level	Bank	Question	Lesson Plan	Source Information	NRC	Bank	Mod	New	Memory	Comp	Analysis
Conduct of Operations	2.1.10	Knowledge of conditions and limitations in the facility license	4		1	SRO		991.1				X			X		
	2.1.25	Ability to obtain and interpret station reference materials such as graphs, monographs, and tables which contain performance data.	3.1		1	SRO		697.2				X					X
Equipment Control	2.1.32	Ability to explain and apply all system limits and precautions	3.4		1	RO		330.1				X			X		
	2.1.3	Knowledge of shift turnover practices.	3		1	RO		984.1				X			X		
Radiation Control	2.2.3	Knowledge of the design, procedural, and operational differences between units.	3.3		1	SRO											
	2.2.25	Knowledge of bases in technical specifications for limiting conditions for operations and safety limits.	3.7		1	SRO		1004.1				X				X	
Emergency Procedures and Plan	2.2.2	Ability to manipulate the console controls as required to operate the facility between shutdown and designated power levels.	4		1	RO											
	2.2.27	Knowledge of the refueling process	2.6		1	RO		228.1				X				X	
Radiation Control	2.3.2	Knowledge of facility ALARA program.	2.9		1	SRO		124.1				X					X
Emergency Procedures and Plan	2.3.9	Knowledge of the process for performing a containment purge	2.5		1	RO		432.2				X					X
	2.3.10	Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.	2.9		1	RO		1012.1				X					X
	2.3.11	Ability to control radiation releases.	2.7		1	RO											
Emergency Procedures and Plan	2.4.5	Knowledge of the organization of the operating procedures network for normal, abnormal, and emergency evolutions.	3.6		1	SRO		336.1				X				X	
	2.4.22	Knowledge of the bases for prioritizing safety functions during abnormal/emergency operations.	4		1	SRO											
Emergency Procedures and Plan	2.4.22	Knowledge of the bases for prioritizing safety functions during abnormal/emergency operations.	3		1	RO											
	2.4.23	Knowledge of the bases for prioritizing emergency procedure implementation during emergency operations.	2.8		1	RO		51.1				X				X	
	2.4.34	Knowledge of RO tasks performed outside the main control room during emergency operations including system geography and system implications.	3.8		1	RO		1045						X		X	
Total			4														
Tier 3 Point Total			17														

17 SRO K/As to be sampled - 13 will be imported from the RO genetic section

Genet

For O

July

4/02/2003