Date of Examination: 7/23/2018					
RO SRO-I SRO-U Operating Test No.:					
Control Room Systems:* 8 for RO; 7 for SRO-I; 2 or 3 for SRO-U					
System / JPM Title		Type Code*	Safety Function		
a. Emergency Borate RCS for 2 stuck rods using 4023-ES-0.1 QMO-410 fails) KA APE 024 AA1.15 3.1/2.9, SYS 004 A2.14 3.8/3.9		A-L-N-S	1		
b. Vent Reactor Vessel Voids (FR-I-3 Step 13) KA EPE 009 EA2.38 3.9/4.3		L-N-S	2		
c. Isolate Safety Injection Accumulators per OHP-4023.ES-1.2 (1 Failed Accumulator Discharge Valves) KA SYS 006 A4.02 4.0/3.8		A-D-EN-L-S	3		
d. Start a RCP per 02-OHP-4023-SUP-010 KA EPE 009 EA1.09 3.6/3.6		L-M-S	4P		
e. Verify Containment Isolation Phase A IAW OHP-4023-E-0 Att. A (Alternate Path with OHP-4023-SUP-004 or PPC) KA SYS 103 A2.03 3.5/3.8		A-L-M-S	5		
f. Synchronize and Load 1AB EDG per 01-OHP-4030-STP-027AB. K/A SYS 064 A4.06 3.9/3.9		A-D-EN-S	6		
g. Respond to an R5 High Alarm (Auto Actions Failed) KA 072 K4.02 3.2/3.4, KA 072 A3.01 2.9/3.1, APE 061 AA1.01 3.6/3.6		A-D-S	7		
h. Perform Control Room actions for Fuel Handling Accident in Containment SYS 034 A2.01 3.6/4.4 APE 036 AA1.01 3.3/3.8		L-N-S	8		
In-Plant Systems* (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)					
i. Establish ESW Cooling to CRAC per 4021-028-014 Att. 6 KA APE 068 AA1.24 3.0/3.6		D-E	7		
j. Perform RCS Isolation 4025 LTI-5-1, Deenergize RCS & SG BD, Trip Pressurizer Heaters. APE 068 AK3.18 4.2/4.5, SYS 002 K6.04 2.5/2.9		EM	3		
k. Respond to Waste Gas Panel Alarm((Tk full w/ auto swap fail) KA 071 A4.14 2.8/3.0		A-D-R	9		
All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all five SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.					
* Type Codes	Criteria for RO / SRO-I / SRO-U				
A)Iternate path (C)ontrol room (D)irect from bank (E)mergency or abnormal in-plant (EN)gineered safety feature (L)ow-Power / Shutdown (N)ew or (M)odified from bank including 1(A) (P)revious 2 exams (R)CA (S)imulator	$4-6/4-6/2-3$ $\leq 9/\leq 8/\leq 4$ $\geq 1/\geq 1/\geq 1$ $\geq 1/\geq 1/\geq 1$ (control room system) $\geq 1/\geq 1/\geq 1$ $\geq 2/\geq 2/\geq 1$ $\leq 3/\leq 3/\leq 2$ (randomly selected) $\geq 1/\geq 1/\geq 1$				

Date of Examination: 7/23/2018 RO SRO-I SRO-U Operating Test No.:				
Control Room Systems:* 8 for RO; 7 for SRO-I; 2 or 3 for	· SRO-U			
System / JPM Title		Type Code*	Safety Function	
a. Emergency Borate RCS for 2 stuck rods using 4023-ES-0.1 QMO-410 fails) KA APE 024 AA1.15 3.1/2.9, SYS 004 A2.14 3.8/3.9		A-L-N-S	1	
b. Vent Reactor Vessel Voids (FR-I-3 Step 13) KA EPE 009 EA2.38 3.9/4.3		L-N-S	2	
c. Isolate Safety Injection Accumulators per OHP-4023.ES-1.2 (1 Failed Accumulator Discharge Valves) KA SYS 006 A4.02 4.0/3.8		A-D-EN-L-S	3	
d. Start a RCP per 02-OHP-4023-SUP-010 KA EPE 009 EA1.09 3.6/3.6		L-M-S	4P	
e. Verify Containment Isolation Phase A IAW OHP-4023-E-0 Att. A (Alternate Path with OHP-4023-SUP-004 or PPC) KA SYS 103 A2.03 3.5/3.8		A-L-M-S	5	
f. Synchronize and Load 1AB EDG per 01-OHP-4030-STP-027AB. K/A SYS 064 A4.06 3.9/3.9		A-D-EN-S	6	
h. Perform Control Room actions for Fuel Handling Accident in Containment SYS 034 A2.01 3.6/4.4 APE 036 AA1.01 3.3/3.8		L-N-S	8	
In-Plant Systems* (3 for RO); (3 for SRO-I); (3 or 2 for S	RO-U)	,		
i. Establish ESW Cooling to CRAC per 4021-028-014 Att. 6 KA APE 068 AA1.24 3.0/3.6		D-E	7	
j. Perform RCS Isolation 4025 LTI-5-1, Deenergize RCS & SG BD, Trip Pressurizer Heaters. APE 068 AK3.18 4.2/4.5, SYS 002 K6.04 2.5/2.9		EM	3	
k. Respond to Waste Gas Panel Alarm((Tk full w/ auto swap fail) KA 071 A4.14 2.8/3.0		A-D-R	9	
All RO and SRO-I control room (and in-plant) systems m SRO-U systems must serve different safety functions; in- the control room.				
* Type Codes	Criteria for RO / SRO-I / SRO-U			
A)Iternate path (C)ontrol room (D)irect from bank (E)mergency or abnormal in-plant (EN)gineered safety feature (L)ow-Power / Shutdown (N)ew or (M)odified from bank including 1(A) (P)revious 2 exams (R)CA (S)imulator	4-6/4-6/2-3 $\leq 9/\leq 8/\leq 4$ $\geq 1/\geq 1/\geq 1$ $\geq 1/\geq 1/\geq 1$ (control room system) $\geq 1/\geq 1/\geq 1$ $\geq 2/\geq 2/\geq 1$ $\leq 3/\leq 3/\leq 2$ (randomly selected) $\geq 1/\geq 1/\geq 1$			

Date of Examination: 7/23/2018 RO SRO-I SRO-U Operating Test No.:					
Control Room Systems:* 8 for RO; 7 for SRO-I; 2 or 3 for SRO-U					
System / JPM Title		Type Code*	Safety Function		
a. Emergency Borate RCS for 2 stuck rods using 4023-ES-0.1 QMO-410 fails) KA APE 024 AA1.15 3.1/2.9, SYS 004 A2.14 3.8/3.9		A-L-N-S	1		
b. Vent Reactor Vessel Voids (FR-I-3 Step 13) KA EPE 009 EA2.38 3.9/4.3		L-N-S	2		
f. Synchronize and Load 1AB EDG per 01-OHP-4030-STP-027AB. K/A SYS 064 A4.06 3.9/3.9		A-D-EN-S	6		
In-Plant Systems* (3 for RO); (3 for SRO-I); (3 or 2 for S	RO-U)				
j. Perform RCS Isolation 4025 LTI-5-1, Deenergize RCS & SG BD, Trip Pressurizer Heaters . APE 068 AK3.18 4.2/4.5, SYS 002 K6.04 2.5/2.9		EM	3		
k. Respond to Waste Gas Panel Alarm((Tk full w/ auto swap fail) KA 071 A4.14 2.8/3.0		A-D-R	9		
All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all five SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.					
* Type Codes	Criteria for RO / SRO-I / SRO-U				
A)Iternate path (C)ontrol room (D)irect from bank (E)mergency or abnormal in-plant (EN)gineered safety feature (L)ow-Power / Shutdown (N)ew or (M)odified from bank including 1(A) (P)revious 2 exams (R)CA (S)imulator	4-6/4-6/2-3 $\leq 9/\leq 8/\leq 4$ $\geq 1/\geq 1/\geq 1$ $\geq 1/\geq 1/\geq 1$ (control room system) $\geq 1/\geq 1/\geq 1$ $\geq 2/\geq 2/\geq 1$ $\leq 3/\leq 3/\leq 2$ (randomly selected) $\geq 1/\geq 1/\geq 1$				