Facility: **Grand Gulf Nuclear Station**		Date of Examination: **16 August 2005**
Examination Level (circle one) (**RO**) / SRO		Operating Test Number:
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	D; S	Given plant conditions, perform the Idle Loop Startup Surveillance for Recirculation System. GJPM-RO-ADM-1 K/A 2.1.20: 4.3 Safety Function 1
Conduct of Operations	M; S	Given plant conditions, complete documentation for Shift Turnover GJPM-RO-ADM-2 K/A 2.1.3: 3.0
Equipment Control	M	Given a component to be isolated for a work order, prepare a tagout using the eSOMS program. GJPM-RO-ADM-3 K/A 2.2.13: 3.6
Radiation Control	D	Complete entry and egress from the CAA with access requirements for a High Radiation Area. GJPM-OPS-ADM-26 K/A 2.3.1: 2.6; 2.3.4: 2.5; 2.3.5: 2.3
Emergency Plan	**N/A**	**N/A**

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

* Type Codes & Criteria:

(C)ontrol Room
(D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs & RO retakes
(N)ew or (M)odified from bank (≥ 1)
(P)revious 2 exams (≤ 1; randomly selected)
(S)imulator

Facility: **Grand Gulf Nuclear Station**		Date of Examination: **16 August 2005**
Examination Level (circle one) RO / **SRO**		Operating Test Number:
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	M	Given a completed AC/DC Lineup following a failure of a Diesel Generator, determine the LCO action requirements and generate an eSOMS LCO. GJPM-SRO-ADM-1 K/A 2.1.12: 4.0 Safety Function 6
Conduct of Operations	M	Given a failed relay, determine the impact on plant operations using facility drawings. GJPM-SRO-ADM-2 K/A 2.1.24: 3.1
Equipment Control	M	Given a work order and prepared tagout, determine the adequacy of the tagout and the impact on plant operations. GJPM-SRO-ADM-3 K/A 2.2.13: 3.8; 2.2.17: 3.5
Radiation Control	N	Given plant conditions, determine Protective Action Recommendations and Radiological Considerations for On-Site Personnel. GJPM-SRO-A&E-41 K/A 2.3.8: 3.2
Emergency Plan	M	Given plant conditions, determine entry into the Site Emergency Plan and complete the initial notification forms. GJPM-SRO-A&E-42 K/A 2.4.41: 4.1; 2.4.38: 4.0; 2.4.40: 4.0

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

* Type Codes & Criteria:

(C) ontrol Room
(D) irect from bank (≤ 3 for ROs; ≤ 4 for SROs & RO retakes
(N) ew or (M) odified from bank (≥ 1)
(P) revious 2 exams (≤ 1; randomly selected)
(S) imulator

Facility: **Grand Gulf Nuclear Station** Date of Examination: **15 August 2005**
Exam Level (circle one) **RO** / SRO-I / SRO-U Operating Test Number:

Control Room Systems@ (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U, including 1 ESF)

System / JPM Title	Type Code*	Safety Function
a. 202001 Recirculation System - Startup idle Recirculation Pump <30% power with incomplete start actuation.	S; M; A	4
b. 201001 Control Rod Drive Hydraulic System - Rotate operating CRD pumps, trip of newly operating pump.	S; M; A	1
c. 259001 Reactor Feed Water System - Startup Second Reactor Feed Pump and place on Master level control, with failure of Automatic controller.	S; N; A	2
d. 226001 RHR Containment Spray - Secure Containment Sprays and align for injection to RPV with failure of one RHR injection valve.	S; N; A	5 ESF
e. 264000 Emergency Diesel Generators – Start, parallel, and load the Diesel Generator with trip of SSW.	S; D; A	6 ESF
f. 290003 Control Room HVAC System – Secure Control Room Standby Fresh Air System.	C; D	9 ESF
g. 239001 Main & Reheat Steam System - Open Main Steam Isolation Valves.	S; D; L	3 ESF
h. 201005 Rod Control & Information System – Operate RCIS to bring the reactor critical.	S; D; L	7
In-Plant Systems@ (3 for RO; 3 for SRO-I; 3or2 for SRO-U)		
i. 295003 Partial Loss of AC – Reset undervoltage lockouts on buses when power is restored, with one lockout failing to reset.	R; M; E; A	6
j. 286000 Fire Protection System – Manually initiate fire suppression for the Standby Gas Filter Train with the train operating.	R; N; E	8
k. 295016 Control Room Abandonment – Startup RHR in Suppression Pool Cooling.	N; E; L	7 ESF

@ All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all 5 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)lternate path	4-6 / 4-6 / 2-3
(C)ontrol Room	
(D)irect from bank	≤9 / ≤8 / ≤4
(E)mergency or abnormal in-plant	≥1 / ≥1 / ≥1
(L)ow-Power	≥1 / ≥1 / ≥1
(N)ew or (M)odified from bank including 1(A)	≥2 / ≥2 / ≥1
(P)revious 2 exams	≤3 / ≤3 / ≤2 (randomly selected)
(R)CA	≥1 / ≥1 / ≥1
(S)imulator	

Facility: **Grand Gulf Nuclear Station** Date of Examination: **15 August 2005**
Exam Level (circle one) RO / **SRO-I** / SRO-U Operating Test Number:

Control Room Systems[@] (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U, including 1 ESF)

System / JPM Title	Type Code*	Safety Function
a. 202001 Recirculation System - Startup idle Recirculation Pump <30% power with incomplete start actuation.	S; M; A	4
b. 201001 Control Rod Drive Hydraulic System - Rotate operating CRD pumps, trip of newly operating pump.	S; M; A	1
c. 259001 Reactor Feed Water System - Startup Second Reactor Feed Pump and place on Master level control, with failure of Automatic controller.	S; N; A	2
d. 226001 RHR Containment Spray - Secure Containment Sprays and align for injection to RPV with failure of one RHR injection valve.	S; N; A	5 ESF
e. 264000 Emergency Diesel Generators – Start, parallel, and load the Diesel Generator with trip of SSW.	S; D; A	6 ESF
f. 290003 Control Room HVAC System – Secure Control Room Standby Fresh Air System.	C; D	9 ESF
g. 239001 Main & Reheat Steam System - Open Main Steam Isolation Valves.	S; D; L	3 ESF
h. N/A		
In-Plant Systems[@] (3 for RO; 3 for SRO-I; 3or2 for SRO-U)		
i. 295003 Partial Loss of AC – Reset undervoltage lockouts on buses when power is restored, with one lockout failing to reset.	R; M; E; A	6
j. 286000 Fire Protection System – Manually initiate fire suppression for the Standby Gas Filter Train with the train operating.	R; N; E	8
k. 295016 Control Room Abandonment – Startup RHR in Suppression Pool Cooling.	N; E; L	7 ESF

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(D)irect from bank	≤9 / ≤8 / ≤4
(E)mergency or abnormal in-plant	≥1 / ≥1 / ≥1
(L)ow-Power	≥1 / ≥1 / ≥1
(N)ew or (M)odified from bank including 1(A)	≥2 / ≥2 / ≥1
(P)revious 2 exams	≤3 / ≤3 / ≤2 (randomly selected)
(R)CA	≥1 / ≥1 / ≥1
(S)imulator	

Facility: **Grand Gulf Nuclear Station** Date of Examination: **15 August 2005** Exam Level (circle one) RO / SRO-I / **SRO-U** Operating Test Number:		
Control Room Systems[@] (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U, including 1 ESF)		
System / JPM Title	**Type Code***	**Safety Function**
a. 202001 Recirculation System - Startup idle Recirculation Pump <30% power with incomplete start actuation.	S; M; A	4
b. 201001 Control Rod Drive Hydraulic System - Rotate operating CRD pumps, trip of newly operating pump.	S; M; A	1
c. N/A		
d. N/A		
e. N/A		
f. 290003 Control Room HVAC System – Secure Control Room Standby Fresh Air System.	C; D	9 ESF
g. N/A		
h. N/A		
In-Plant Systems[@] (3 for RO; 3 for SRO-I; 3or2 for SRO-U)		
i. N/A		
j. 286000 Fire Protection System – Manually initiate fire suppression for the Standby Gas Filter Train with the train operating.	R; N; E	8
k. 295016 Control Room Abandonment – Startup RHR in Suppression Pool Cooling.	N; E; L	7 ESF

@ All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

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(L)ow-Power	≥1 / ≥1 / ≥1
(N)ew or (M)odified from bank including 1(A)	≥2 / ≥2 / ≥1
(P)revious 2 exams	≤3 / ≤3 / ≤2 (randomly selected)
(R)CA	≥1 / ≥1 / ≥1
(S)imulator	