

Facility: <u>Columbia Generating Station</u>		Date of Examination: <u>October 2009</u>
Examination Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		Operating Test Number: <u>1</u>
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	N R	The RO Candidate is given OSP-RCS-C101, the RPV Heatup Surveillance and asked to review it for any data that may be out of limits
Conduct of Operations	M R	The RO Candidate is given data and asked to determine the time to change load for the Main Turbine
Equipment Control	P R	The RO Candidate is given the task of determining the clearance boundary for work associated with replacement of a pipe coupling located downstream of FPC-P-1A
Radiation Control	M R	The RO Candidate is given data for his personal dose and told he is to perform work that is in a High Radiation Area. The candidate has to calculate his maximum stay time
Emergency Procedures/Plan		
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, (S)imulator, or Class(R)oom (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)		

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Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	N R	The SRO Candidate plant data and asked to determine if a planned entry into the Area Of Increased Awareness is allowed
Conduct of Operations	N R	The SRO Candidate is given that a fire detection system is inoperable and while investigating that, the preaction system pipe is broke. Based on the location the candidate determines compensatory measures and then fill out a Fire Protection Impairment Notification Form
Equipment Control	N R	The SRO Candidate is given the task of approving/reviewing a clearance order for RHR-P-3 and determine if discrepancies exist
Radiation Control	P R	The SRO Candidate is given Offgas system data and determines if actions are required
Emergency Procedures/Plan	M R	The SRO Candidate is tasked with classifying an event and filling out a CNF after Simulator Scenario #3
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Facility: <u>COLUMBIA GENERATING STATION</u>		Date of Examination: <u>October 2009</u>
Exam Level: RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>		Operating Test No.: <u>1</u>
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. Start RRC-P-1B at Power (LO001681)	M, A, S	1 R / SRO-I
b. Containment De-Inerting (LO001682)	D, EN, S	5 R / SRO-I
c. Restart RFW-P-1A (Quick Restart) (LR000131)	N, L, S	2 R
d. Parallel DG-1 with SM-7 (LO001684)	N, A, EN, L, S	6 R / SRO-I
e. Pull fuses to close an open SRV (LO001683)	N, S	3 R / SRO-I
f. Start RHR-A in SP Cooling, SW-V-12A fails to Auto Open (LO001686)	D, A, S	8 R / SRO-I
g. Respond to Hydraulic ATWS – Install RPS Jumpers (LO001685)	N, S	7 R / SRO-I
h. Secure SGT Following Auto Initiation with FAZ Reset (LR000222)	D, EN, L, S	9 R / SRO-I
In-Plant Systems® (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. Prevent a RCIC High Exhaust Pressure Trip (LR001505)	D, E, L, R	4 R / SRO-I
j. Respond to Control Room HVAC High Radiation Level in One Remote Air Intake (LO001595)	D, P, A, E, R	9 R / SRO-I
k. Restart RPS MG Set and Repower the RPS Bus (LO001641)	D, P, A, R	7 R / SRO-I

<p>@ 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.</p>	
* Type Codes	Criteria for RO / SRO-I / SRO-U
(A)lternate 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 $\leq 9 / \leq 8 / \leq 4$ $\geq 1 / \geq 1 / \geq 1$ - / - / ≥ 1 (control room system) $\geq 1 / \geq 1 / \geq 1$ $\geq 2 / \geq 2 / \geq 1$ $\leq 3 / \leq 3 / \leq 2$ (randomly selected) $\geq 1 / \geq 1 / \geq 1$

Actual JPM count:

- (A) - 5/5**
- (C) - None**
- (D) - 6/6**
- (E) - 3 /3**
- (EN) - 3/3**
- (L) - 4/3**
- (N) (M) - 6/6**
- (P) - 2/2**
- (R) - 3/3**
- (S) - 8/7**