

Facility: <u>Palo Verde</u>	Date of Examination: <u>11/10/09</u>
Examination Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>	Operating Test Number: _____

Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	R,D	Review Operations Repetitive Task EC003 and determine Required actions.
Conduct of Operations	R,N	Determine if operators licenses are active and if staffing requirements are met.
Equipment Control	R,D	Tech Spec applicability with HPSI and LPSI.
Radiation Control	R,M	Pre-job brief on REP 9-9999Z
Emergency Procedures/Plan	R,M	Identify who is responsible to classify (Shift Manager unable to return to the control room), classification, and Protective Action Recommendations.

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)

Facility: <u>Palo Verde</u>		Date of Examination: <u>11/10/09</u>
Exam Level: RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>		Operating Test No.: _____
Control Room Systems <sup>@</sup> (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)		
System / JPM Title	Type Code*	Safety Function
a. SG Level Reduction from LMFRP (Appendix 33)	S,A,N,L	4 (Pri)
b. Borate the RCS using Appendix 209	S,N,L	1
c. Reset RAS	S,D,EN	7
d. Perform a containment vent	S,D	8
e. Reconnect the SBCS	S,D	4 (Sec)
f. Extended loss of letdown actions	S,A,D,P	2
g. Transfer 13.8 Kv busses	S,A,D	6
h.		
In-Plant Systems <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. Energize PBB per Appendix E of 40AO-9ZZ19	A,E, M	6
j. X-tie EW Train B to Spent Fuel Pool cooling	R,D,E	8
k. Operation of AFA-P01 from the Remote Shutdown Panel	D,E	4 (sec)
<p><sup>@</sup> 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	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	
(EN)gineered safety feature	- / - / ≥ 1 (control room system)	
(L)ow-Power / Shutdown	≥ 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		

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Control Room Systems <sup>@</sup> (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)		
System / JPM Title	Type Code*	Safety Function
a. SG Level Reduction from LMFRP (Appendix 33) (JS1)	S,A,N,L	4 (Pri)
b. Reset RAS (JS3)	S,D,EN	7
c.		
d.		
e.		
f.		
g.		
h.		
In-Plant Systems <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. Energize PBB per Appendix E of 40AO-9ZZ19	A,E, M	6
j. X-tie EW Train B to Spent Fuel Pool cooling	R,D,E	8
k. Operation of AFA-P01 from the Remote Shutdown Panel	D,E	4 (sec)
<p><sup>@</sup> 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>		
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(C)ontrol room		
(D)irect from bank	≤ 9 / ≤ 8 / ≤ 4	
(E)mergency or abnormal in-plant	≥ 1 / ≥ 1 / ≥ 1	
(EN)gineered safety feature	- / - / ≥ 1 (control room system)	
(L)ow-Power / Shutdown	≥ 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		