

Facility: <u>PINGP, Units 1 and 2</u> Examination Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		Date of Examination: <u>May 14 - 25, 2012</u> Operating Test Number: <u>2012301</u>
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	D, S	Perform routine shift surveillance
Conduct of Operations	N, S	Verify / Establish RHR System Configuration Using ERCS
Equipment Control	N, P, R	Verify/Correct a Tagout
Radiation Control	M, R	Verification of Radiation Work Permit Limits.
Emergency Procedures/Plan		None.
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: <div style="margin-left: 20px;">           (C)ontrol room, (S)imulator, or Class(R)oom            (D)irect from bank (<math>\leq 3</math> for ROs; <math>\leq 4</math> for SROs &amp; RO retakes)            (N)ew or (M)odified from bank (<math>\geq 1</math>)            (P)revious 2 exams (<math>\leq 1</math>; randomly selected)         </div>		

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Examination Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>		Operating Test Number: <u>2012301</u>
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	M, R	Review Unit 1 Control Room Logs.
Conduct of Operations	N, S	Review an Estimated Critical Rod Position
Equipment Control	N, P, R	Verify / Correct a Tagout
Radiation Control	M, R	Verification of Radiation Work Permit Limits.
Emergency Procedures/Plan	M, R	Escalation of Alert HA5.1 to Site Area HS2.1.
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: <ul style="list-style-type: none"> <li>(C)ontrol room, (S)imulator, or Class(R)oom</li> <li>(D)irect from bank (<math>\leq 3</math> for ROs; <math>\leq 4</math> for SROs &amp; RO retakes)</li> <li>(N)ew or (M)odified from bank (<math>\geq 1</math>)</li> <li>(P)revious 2 exams (<math>\leq 1</math>; randomly selected)</li> </ul>		

Facility: <u>Prairie Island</u>		Date of Examination: <u>May 14 – 25, 2012</u>	
Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/> SRO(U) <input type="checkbox"/>		Operating Test No.: <u>2012301</u>	
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. CVCS / Fill the Refueling Water Storage Tank (RWST)	D, S	2	
b. ECCS / Transfer ECCS to High Head Recirc	D, S, A	3	
c. RCPS / Start an RCP	D, S, L	4P	
d. CNMT ISOL / Perform Containment Isolation Post-LOCA	D, S, A	5	
e. AC Elec / Restore AC system following EDG testing	N, S, EN	6	
f. RD / Respond to a low Failure of PT-485, 1 <sup>st</sup> Stage Pressure	D, S	7	
g. CCW / Swap Component Cooling Water Pumps	D, S	8	
h. RMS / Perform ABSV Checks in Preparation for WGDS Release	N, S, A	9	
In-Plant Systems <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)			
i. CRDS / Secure Rod Drive M/G Set	D, E, A	1	
j. AC Elec / Locally Emergency Start an EDG	D, E, A	6	
k. ECCS / Start a Hydrogen Recombiner	D, E, L, R	5	
@ 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 (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  $\leq 9 / \leq 8 / \leq 4$ $\geq 1 / \geq 1 / \geq 1$ - / - / $\geq 1$ (control room system) $\geq 1 / \geq 1 / \geq 1$ $\geq 2 / \geq 2 / \geq 1$ $\leq 3 / \leq 3 / \leq 2$ (randomly selected) $\geq 1 / \geq 1 / \geq 1$		

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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. CVCS / Fill the Refueling Water Storage Tank (RWST)	D, S	2
b. n/a		
c. RCPS / Start an RCP	D, S, L	4P
d. CNMT ISOL / Perform Containment Isolation Post-LOCA	D, S, A	5
e. AC Elec / Restore AC system following EDG testing	N, S, EN	6
f. RD / Respond to a low Failure of PT-485, 1 <sup>st</sup> Stage Pressure	D, S	7
g. CCW / Swap Component Cooling Water Pumps	D, S	8
h. RMS / Perform ABSV Checks in Preparation for WGDS Release	N, S, A	9
In-Plant Systems® (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. CRDS / Secure Rod Drive M/G Set	D, E, A	1
j. AC Elec / Locally Emergency Start an EDG	D, E, A, EN	6
k. ECCS / Start a Hydrogen Recombiner	D, E, L, R	5
<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	4-6 / 4-6 / 2-3	
(C)ontrol room		
(D)irect from bank	$\leq 9 / \leq 8 / \leq 4$	
(E)mergency or abnormal in-plant	$\geq 1 / \geq 1 / \geq 1$	
(EN)gineered safety feature	- / - / $\geq 1$ (control room system)	
(L)ow-Power / Shutdown	$\geq 1 / \geq 1 / \geq 1$	
(N)ew or (M)odified from bank including 1(A)	$\geq 2 / \geq 2 / \geq 1$	
(P)revious 2 exams	$\leq 3 / \leq 3 / \leq 2$ (randomly selected)	
(R)CA	$\geq 1 / \geq 1 / \geq 1$	
(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. CVCS / Fill the Refueling Water Storage Tank (RWST)	D, S	2
b. n/a		
c. n/a		
d. n/a		
e. n/a		
f. n/a		
g. n/a		
h. RMS / Perform ABSV Checks in Preparation for WGDS Release	N, S, A	9
In-Plant Systems <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. CRDS / Secure Rod Drive M/G set	D, E, A	1
j. EDG / Locally Emergency Start an Emergency Diesel Generator	D, E, A, EN	3
k. ECCS / Start a Hydrogen Recombiner	D, E, L, R	5
<p><b>@</b> 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	$\leq 9 / \leq 8 / \leq 4$	
(E)mergency or abnormal in-plant	$\geq 1 / \geq 1 / \geq 1$	
(EN)gineered safety feature	- / - / $\geq 1$ (control room system)	
(L)ow-Power / Shutdown	$\geq 1 / \geq 1 / \geq 1$	
(N)ew or (M)odified from bank including 1(A)	$\geq 2 / \geq 2 / \geq 1$	
(P)revious 2 exams	$\leq 3 / \leq 3 / \leq 2$ (randomly selected)	
(R)CA	$\geq 1 / \geq 1 / \geq 1$	
(S)imulator		