

Facility: <u>PRAIRIE ISLAND</u>		Date of Examination: <u>AUGUST 2014</u>
Examination Level: <u>RO</u>		Operating Test Number: <u>PI-ILT-NRC-14</u>
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	D, R	DETERMINE BLENDED FLOW CONCENTRATION 2.1.25 (3.9/4.2) This is a bank JPM where the examinee determines the boric acid flow setting for the Boric Acid Flow Control Valve.
Conduct of Operations	M, R	VERIFY CORRECT PROCEDURE 2.1.21 (3.5*/3.6*) Original JPM has operator verify correct revision of SP 1313. The modified JPM will have the operator verify the correct revision of a procedure other than SP 1313.
Equipment Control	N, R	REVIEW CLEARANCE ORDER 2.2.13 (4.1/4.3) This JPM will be different than previous versions of reviewing a clearance order by isolating a different system and inputting different mistakes for the operator to discover.
Radiation Control	D, R	REMOVE RADIATION MONITOR FROM SERVICE 2.3.5 (2.9/2.9) This is a bank JPM where the examinee removes 1R-11, Containment Air Particulate Radiation Monitor, from service.
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: (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	D, R	ASSESS SHIFT STAFFING LEVELS 2.1.5 (2.9*/3.9) This is a bank JPM where the examinee must determine if the U1 SS can be released due to an emergency.
Conduct of Operations	D, R	PERFORM PRA CALCULATION USING EOOS SOFTWARE 2.1.19 (3.9/3.8) This is a bank JPM where the examinee must use the plant computer to determine PRA status of Unit 1 and Unit 2.
Equipment Control	D, R	AUTHORIZE INSTALLATION OF A BYPASS 2.2.11 (2.3/3.3) This is a bank JPM where the examinee approves the use of a bypass using a plant administrative work instruction.
Radiation Control	D, R	AUTHORIZE EMERGENCY RADIATION EXPOSURE 2.3.4 (3.2/3.7) This is a bank JPM where the examinee determines if an individual can receive an emergency exposure or not.
Emergency Procedures/Plan	N, R	VALIDATE IMMINENT AIRBORNE THREAT 2.4.28 (3.2/4.1) This is a new JPM to perform SRO actions of AB-8, Response to Security Threat.
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.		
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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. CRDS / UNCONTROLLED ROD INSERTION	A, M, S	1
b. ESFAS / CONTAINMENT ISOLATION FAILURE	L, D, S, EN	2
c. ECCS / RAISE 11 SI ACCUMULATOR LEVEL	D, EN, S	3
d. SWS / LOSS OF COOLING WATER HEADER PRESSURE	A, N, S	4S
e. RCS / PRT HI TEMP AND HI LEVEL	A, M, S	5
f. EDG / SYNCHRONIZE D1 ON BUS 15	D, EN, S	6
g. NIS / PR DAILY CALIBRATION – SP 1005	N, S	7
h. IAS / INSTRUMENT AIR SYSTEM HIGH PRESSURE	A, N, S	8
In-Plant Systems [@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. CRDS / LOCALLY TRIP THE REACTOR AND TURBINE	A, D, E, L, P	1
j. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS	D, E, L, R	2
k. FP / INITIATE CARDOX	D, E	8
<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	≤ 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 [@] (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)		
System / JPM Title	Type Code*	Safety Function
a. CRDS / UNCONTROLLED ROD INSERTION	A, M, S	1
b. ESFAS / CONTAINMENT ISOLATION FAILURE	L, D, S, EN	2
c. ECCS / RAISE 11 SI ACCUMULATOR LEVEL	D, EN, S	3
d. SWS / LOSS OF COOLING WATER HEADER PRESSURE	A, N, S	4S
e. RCS / PRT HI TEMP AND HI LEVEL	A, M, S	5
f. EDG / SYNCHRONIZE D1 ON BUS 15	D, EN, S	6
g. NONE		
h. IAS / SWAP IA COMPRESSORS WITH HIGH AIR PRESS	A, N, S	8
In-Plant Systems [@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. CRDS / LOCALLY TRIP THE REACTOR AND TURBINE	A, D, E, L, P	1
j. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS	D, E, L, R	2
k. FP / INITIATE CARDOX	D, E	8
<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	≤ 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 [@] (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)		
System / JPM Title	Type Code*	Safety Function
a. NONE		
b. NONE		
c. ECCS / RAISE 11 SI ACCUMULATOR LEVEL	D, EN, S	3
d. SWS / LOSS OF COOLING WATER HEADER PRESSURE	A, N, S	4S
e. NONE		
f. NONE		
g. NONE		
h. IAS / SWAP IA COMPRESSORS WITH HIGH AIR PRESS	A, N, S	8
In-Plant Systems [@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. CRDS / LOCALLY TRIP THE REACTOR AND TURBINE	A, D, E, L, P	1
j. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS	D, E, L, R	2
k. NONE		
<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	≤ 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		