

Facility: <u>Monticello</u>	Date of Examination: <u>10-29-18</u>	
Examination Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	Operating Test Number: <u>2018-301</u>	
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	R, D	JPM-OWI-01.08-001 2.1.4 – RO 3.3 License Maintenance Responsibilities
Conduct of Operations	S, D	JPM-C.2-05.B.01-002 2.1.19 – RO 3.9 Core Thermal Limits Monitoring
Equipment Control	S, D, P	JPM-4-AWI-04.04.02-004 2.2.15 – RO 3.9 Independent Verification Of HPCI
Radiation Control		N/A
Emergency Plan	R, N	JPM-C.5-3403-002 2.4.47 – RO 4.2 Determine Primary Containment Water Level
NOTE: All items (five total) are required for SROs. RO applicants require only four items unless they are retaking only the administrative topics (which would require all five items).		
* Type Codes and Criteria: (C)ontrol room, (S)imulator, or Class(R)oom (D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs and 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	R, D, P	JPM-FP-PA-HU-06-001 2.1.1 – SRO 4.2 PRE-JOB BRIEF
Conduct of Operations	R, D	JPM-0133-002 2.1.18 – SRO 3.8 Daily Jet Pump Operability Check Test 0133
Equipment Control	R, D	JPM-OWI-03.05-001 2.2.40 – SRO 4.7 Safety Function Determination Program
Radiation Control	R, N	JPM-ODCM-03.01-001 2.3.15 – SRO 3.1 ODCM REQUIREMENTS
Emergency Plan	R, N	JPM-A.2-101-003 2.4.41 – SRO 4.6 EAL CLASSIFICATION

NOTE: All items (five total) are required for SROs. RO applicants require only four items unless they are retaking only the administrative topics (which would require all five items).

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 (D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs and RO retakes)  
 (N)ew or (M)odified from bank (≥ 1)  
 (P)revious 2 exams (≤ 1, randomly selected)

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Exam Level: RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	Operating Test Number: <u>2018-301</u>

Control Room Systems:\* 8 for RO, 7 for SRO-I, and 2 or 3 for SRO-U

System/JPM Title	Type Code*	Safety Function
A. JPM-B.01.03-019 (CRD PUMP SWAPOVER): 201001 - A4.01	A, D, P, S	1
B. JPM-B.05.01.02-004 (BYPASSING AN LPRM): 215005 – A4.04	D, P, S	7
C. JPM-B.03.02-005 (MANUAL SWITCHOVER OF HPCI SUCTION FROM TORUS TO CSTS): 206000 – A4.04	D, EN, P, S	2
D. JPM-C.4-B.04.01.C-001 (MANUALLY INSERT A GROUP 3 ISOLATION): 223002 – A4.02	A, D, EN, S	5
E. JPM-B.03.04-011 (PLACE SHUTDOWN COOLING IN SERVICE): 205000 – A4.01	A, D, L, S	4
F. JPM-0112-001 (SAFETY RELIEF VALVES OPERABILITY CHECK): 239002 – A2.03	A, L, N, S	3
G. JPM-E.4-12-002 (SPLIT BUS 15 FROM BUS 16): 262001 – S4.01	L, N, S	6
H. JPM-B.07.02.02-001 (RELEASE NO. 15 OFF-GAS STORAGE TANK) 271000 – A4.09	D, S	9

IN-PLANT SYSTEMS:\* 3 FOR RO, 3 FOR SRO-I, AND 3 OR 2 FOR SRO-U

I. JPM-B.01.03-003 (ISOLATE AN HCU): 201003 – A2.02	D, R	1
J. JPM-C.5-3401-002 (TORUS WATER LEVEL MAKEUP WITH CS B AND RHR B): 223001 – A1.08	D, E, R	5
K. JPM-B.08.05-003 (MANUALLY START THE ELECTRIC FIRE PUMP): 286000 – A1.01	D	8

\* All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions, all five SRO-U systems must serve different safety functions, and in-plant systems and functions may overlap those tested in the control room.

* Type Codes	Criteria for R /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/≥ 1/≥ 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, and 2 or 3 for SRO-U		
System/JPM Title	Type Code*	Safety Function
A. JPM-B.01.03-019 (CRD PUMP SWAPOVER) : 201001 - A4.01	A, D, P, S	1
B. JPM-B.05.01.02-004 (BYPASSING AN LPRM) : 215005 – A4.04	D, P, S	7
C. JPM-B.03.02-005 (MANUAL SWITCHOVER OF HPCI SUCTION FROM TORUS TO CSTS): 206000 – A4.04	D, EN, P, S	2
D. JPM-C.4-B.04.01.C-001 (MANUALLY INSERT A GROUP 3 ISOLATION): 223002 – A4.02	A, D, EN, S	5
E. JPM-B.03.04-011 (PLACE SHUTDOWN COOLING IN SERVICE): 205000 – A4.01	A, D, L, S	4
F. JPM-0112-001 (SAFETY RELIEF VALVES OPERABILITY CHECK): 239002 – A2.03	A, L, N, S	3
G. JPM-E.4-12-002 (Split Bus 15 from Bus 16): 262001 – S4.01	L, N, S	6
H.		
IN-PLANT SYSTEMS:* 3 FOR RO, 3 FOR SRO-I, AND 3 OR 2 FOR SRO-U		
I. JPM-B.01.03-003 (ISOLATE AN HCU): 201003 – A2.02	D, R	1
J. JPM-C.5-3401-002 (TORUS WATER LEVEL MAKEUP WITH CS B AND RHR B): 223001 – A1.08	D, E, R	5
K. JPM-B.08.05-003 (MANUALLY START THE ELECTRIC FIRE PUMP): 286000 – A1.01	D	8
* All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions, all five SRO-U systems must serve different safety functions, and in-plant systems and functions may overlap those tested in the control room.		
* Type Codes	Criteria for R /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  $\leq 9/\leq 8/\leq 4$ $\geq 1/\geq 1/\geq 1$ $\geq 1/\geq 1/\geq 1$ (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, and 2 or 3 for SRO-U

System/JPM Title	Type Code*	Safety Function
A.		
B.		
C. JPM-B.03.02-005 (MANUAL SWITCHOVER OF HPCI SUCTION FROM TORUS TO CSTS): 206000 – A4.04	D, EN, P, S	2
D.		
E. JPM-B.03.04-011 (PLACE SHUTDOWN COOLING IN SERVICE): 205000 – A4.01	A, D, L, S	4
F. JPM-0112-001 (SAFETY RELIEF VALVES OPERABILITY CHECK): 239002 – A2.03	A, N, L, S	3
G.		
H.		

IN-PLANT SYSTEMS:\* 3 FOR RO, 3 FOR SRO-I, AND 3 OR 2 FOR SRO-U

I. JPM-B.01.03-003(SOLATE AN HCU): 201003 – A2.02	D, R	1
J. JPM-C.5-3401-002 (TORUS WATER LEVEL MAKEUP WITH CS B AND RHR B): 223001 – A1.08	D, E, R	5
K.		

\* All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions, all five SRO-U systems must serve different safety functions, and in-plant systems and functions may overlap those tested in the control room.

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(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	