

Facility: <u>Monticello Nuclear Generation Plant</u>		Date of Examination: <u>November 2016</u>
Exam Level: RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>		Operating Test No.: <u>2016-301</u>
Control Room Systems:* 8 for RO; 7 for SRO-I; 2 or 3 for SRO-U		
System / JPM Title	Type Code*	Safety Function
a. 201003/ Control Rod Exercise [Rod Drift Out] (JPM-0074-002)	N, A, S	1
b. 204000/Startup the RWCU System (JPM B.02.02-001)	D, L, S	2
c. 239001/Open the Main Steam Line Drains Following a Group 1 Isolation [Steam Leak After Opening] (JPM-C.5-3302-003)	N, A, L, S	3
d. 206000/HPCI Suction Shift from Torus to CST (JPM-B.03.02-005)	N, EN, S	4
e. 223002/Manually Insert Group 5 Isolation (JPM B.02.03-011) [RCIC Restoration with Steam Leak & Auto Isolation Failure]	D, A, EN, S	5
f. 700000/Turbine-Generator Synchronization and Loading [Voltage Regulator Failure] (JPM-C.1-006)	D, A, L, P, S	6
g. 272000/Perform an Area Radiation Monitor Functional Test (JPM B.05.12-001)	D, S	7
h. 261000/ Manually Initiate SBT A Train (JPM-B.04.02-003)	D, EN, S	9
In-Plant Systems* (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. 295037/Alternate Boron Injection with CRD (JPM C.5-3102-001)	M, E	1
j. 295031/Fire Water Cross-tie to LPCI (JPM C.5-3203-001)	D, P, E, R	2
k. 205000/ Manual Control of RHRSW CV-1729 (JPM B.08.01.03-001)	D	4
* 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; 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 $\leq 9 / \leq 8 / \leq 4$ $\geq 1 / \geq 1 / \geq 1$ $\geq 1 / \geq 1 / \geq 1$ (control room system) $\geq 1 / \geq 1 / \geq 1$ $\geq 2 / \geq 2 / \geq 1$ $\leq 3 / \leq 3 / \leq 2$ (randomly selected) $\geq 1 / \geq 1 / \geq 1$	

Facility: <u>Monticello Nuclear Generation Plant</u>		Date of Examination: <u>November 2016</u>
Exam Level: RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>		Operating Test No.: <u>2016-301</u>
Control Room Systems:* 8 for RO; 7 for SRO-I; 2 or 3 for SRO-U		
System / JPM Title	Type Code*	Safety Function
a. 201003/ Control Rod Exercise [Rod Drift Out] (JPM-0074-002)	N, A, S	1
b. 204000/Startup the RWCU System (JPM B.02.02-001)	D, L, S	2
c. 239001/Open the Main Steam Line Drains Following a Group 1 Isolation [Steam Leak After Opening] (JPM-C.5-3302-003)	N, A, L, S	3
d. 206000/HPCI Suction Shift from Torus to CST (JPM-B.03.02-005)	N, EN, S	4
e. 223002/Manually Insert Group 5 Isolation (JPM B.02.03-011) [RCIC Restoration with Steam Leak & Auto Isolation Failure]	D, A, EN, S	5
f. 700000/Turbine-Generator Synchronization and Loading [Voltage Regulator Failure] (JPM-C.1-006)	D, A, L, P, S	6
g. N/A	N/A	N/A
h. 261000/ Manually Initiate SBT A Train (JPM-B.04.02-003)	D, EN, S	9
In-Plant Systems* (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. 295037/Alternate Boron Injection with CRD (JPM C.5-3102-001)	M, E	1
j. 295031/Fire Water Cross-tie to LPCI (JPM C.5-3203-001)	D, P, E, R	2
k. 205000/ Manual Control of RHRSW CV-1729 (JPM B.08.01.03-001)	D	4
* 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; 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 $\leq 9 / \leq 8 / \leq 4$ $\geq 1 / \geq 1 / \geq 1$ $\geq 1 / \geq 1 / \geq 1$ (control room system) $\geq 1 / \geq 1 / \geq 1$ $\geq 2 / \geq 2 / \geq 1$ $\leq 3 / \leq 3 / \leq 2$ (randomly selected) $\geq 1 / \geq 1 / \geq 1$	