

Facility: <u>DRESDEN</u>	Date of Examination: <u>4/19/2021</u>	
Exam Level: RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	Operating Test Number: <u>2021-301</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. 241000.A4.06 DEHC - Establish RPV Cooldown With Bypass Valves	D, S	3
b. 204000.A4.06 RWCU – Rapidly Secure RWCU System With Reactor at Pressure	D, S	2
c. 207000.A4.01 A – ISO COND – Startup With Failure of the M/U System	M, EN, S, A	4
d. 223001.A1.08 CORE SPRAY - Raise Unit 2 Torus Water Level Using Core Spray	D, EN, S	5
e. 700000.AA.05 Electric Grid Disturbance During Shutdown Operations	N, L, S	6
f. 215003.A4.06 NI – IRM Detector Position Rod Block Functional Test	D, L, S	7
g. 295018.AA.05 SW – Swap Service Water Pumps With a Loss of System Pressure	N, S, A	8
h. 271000.A4.09 OFF GAS - Align Charcoal Adsorber Filters in Parallel Mode	M, S, A	9
In-Plant Systems:* 3 for RO, 3 for SRO-I, and 3 or 2 for SRO-U		
i. 202001.K4.04 Isolate Seal Purge	D, L, R	1
j. 295028.A1.03 Bypass the Trip of Drywell Coolers	D, P, E	5
k. Generic 2.1.30 (295003.AA1.02) Diesel Generator 2/3 Local Manual Start	D, A, R	6
* 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 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	$\geq 1/\geq 1/\geq 1$
(E)ngineered safety feature	$\geq 1/\geq 1/\geq 1$ (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:* 8 for RO, 7 for SRO-I, and 2 or 3 for SRO-U		
System/JPM Title	Type Code*	Safety Function
a. 241000.A4.06 DEHC - Establish RPV Cooldown With Bypass Valves	D, S	3
b. 204000.A4.06 RWCU – Rapidly Secure RWCU System With Reactor at Pressure	D, S	2
c. 207000.A4.01 A – ISO COND – Startup With Failure of the M/U System	M, EN, S, A	4
e. 700000.AA1.01 Electric Grid Disturbance During Shutdown Operations	N, L, S	6
f. 215003.A4.06 NI – IRM Detector Position Rod Block Functional Test	D, S	7
g. 295018.AA2.05 SW – Swap Service Water Pumps With a Loss of System Pressure	N, S, A	8
h. 271000.A4.09 OFF GAS - Align Charcoal Adsorber Filters in Parallel Mode	M, S, A	9
In-Plant Systems:* 3 for RO, 3 for SRO-I, and 3 or 2 for SRO-U		
i. 202001.K4.04 Isolate Seal Purge	D, L, R	1
j. 295028.A1.03 Bypass the Trip of Drywell Coolers	D, P, E	5
k. 264000.A4.04 Diesel Generator 2/3 Local Manual Start	D, A, R	6
* 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 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	$\geq 1/\geq 1/\geq 1$
(E)ngineered safety feature	$\geq 1/\geq 1/\geq 1$ (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	