

Facility: <u>DAEC</u>	Date of Examination: <u>4/8/2019</u>	
Exam Level: RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	Operating Test Number: <u>19-1 NRC</u>	
Control Room Systems: * <b>8 for RO</b> , 7 for SRO-I, and 2 or 3 for SRO-U		
System/JPM Title	Type Code*	Safety Function
a. Reactor Water Inventory Control 217000-18, Initiate RCIC and Respond to Inverter Failure Use Test Pot for Injection – NRC AP	A, D, EN, L, S	2
b. Reactor Pressure Control 241000-02, Rapid Depressurization with Bypass	A, D, L, S	3
c. Heat Removal From the Core 209001-05, Manually Inject into the RPV with Core Spray for Decay Heat Removal	A, D, L, P, S	4
d. Containment Integrity 290001-01, Defeat the reactor building HVAC interlock	D, E, L, S	5
e. Electrical 262001-02, Perform required actions for transfer of essential bus from standby to startup transformer	D, S	6
f. Instrumentation 215001-02, Verify a TIP System Group II Isolation	N, S	7
g. Plant Service Systems 400000-02, Alternating RBCCW Pumps	D, S	8
h. Radioactivity Release 272000-01 Perform Downscale / Upscale Operational Check of ARMS	D, S	9
In-Plant Systems: * <b>3 for RO</b> , 3 for SRO-I, and 3 or 2 for SRO-U		
i. 201001-03 Switch CRD Pump Discharge Filters	D, R, P	1
j. Electrical 264000-##, Return the SBDG to a standby readiness condition (alternate path = starting diesel air compressor)	A, N, R	3
k. Instrumentation 212000-01, Startup the "A" RPS motor generator set from the essential switchgear room	D	7
* 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	

<p>(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</p>	<p>4-6/4-6 /2-3  <math>\leq 9/\leq 8/\leq 4</math>  <math>\geq 1/\geq 1/\geq 1</math>  <math>\geq 1/\geq 1/\geq 1</math> (control room system)  <math>\geq 1/\geq 1/\geq 1</math>  <math>\geq 2/\geq 2/\geq 1</math>  <math>\leq 3/\leq 3/\leq 2</math> (randomly selected)  <math>\geq 1/\geq 1/\geq 1</math></p>
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In-Plant Systems:* 3 for RO, 3 for SRO-I, and 3 or 2 for SRO-U		
i. 201001-03 Switch CRD Pump Discharge Filters	D, P, R	1
j. Electrical 264000-##, Return the SBDG to a standby readiness condition (alternate path = starting diesel air compressor)	A, N, R	3
k. Instrumentation 212000-01, Startup the "A" RPS motor generator set from the essential switchgear room	D	7
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* 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/≥ 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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* Type Codes	Criteria for RO /SRO-I/ <b>SRO-U</b>	
(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 / <b>2-3</b> $\leq 9/\leq 8/\leq 4$ $\geq 1/\geq 1/\geq 1$ $\geq 1/\geq 1/\geq 1$ ( <b>control room system</b> ) $\geq 1/\geq 1/\geq 1$ $\geq 2/\geq 2/\geq 1$ $\leq 3/\leq 3/\leq 2$ ( <b>randomly selected</b> ) $\geq 1/\geq 1/\geq 1$	