

DC Cook 2010 NRC Examination

ES-301

Control Room/In-Plant Systems Outline

Form ES-301-2

Facility: <u>DC Cook</u>		Date of Examination: <u>6/21/2010</u>
Exam Level: RO <input checked="" type="checkbox"/>	SRO-I <input type="checkbox"/>	SRO-U <input type="checkbox"/>
		Operating Test No.: <u>Cook 2010</u>
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. NRC10-SIM01 - Perform Emergency Boration due to Shutdown Margin Not Met KA APE 024 AA1.17 3.9/3.9, SYS 004 A2.14 3.8/3.9.	N-S	1
b. NRC10-SIM02 - Establish Letdown IAW OHP-4023-SUP-15 (Alternate Path to Excess Letdown) KA SYS 004 A2.07 3.4/3.7	A-D-L-P-S 2007 Exam	2
c. NRC10-SIM03 - Isolate Safety Injection Accumulators per OHP-4023.ES-1.2 (2 Failed Accumulator Discharge Valves) KA SYS 006 A4.02 4.0/3.8	A-D-EN--L-S	3
d. NRC10-SIM04 - Restore Reactor Coolant Pump Cooling per OHP-4023.ES-1.2 and Supplement 007 KA SYS 003 A4.08 3.2/2.9	L-D-S	4P
e. NRC10-SIM05 - Perform Steam Generator Stop Valve Dump Valve Surveillance Test per 1-OHP-4030-151-018. SYS 039 K4.05 3.7/3.7	D-P-S 2008 Exam	4S
f. NRC10-SIM06 – Restoration of 4Kv T11A From KA SYS 062 A2.11 3.7/4.1	A-L-EN-N-S	6
g. NRC10-SIM07 - Restore Scaler Timer Drawer Post Maintenance KA 015 A4.02 3.9/3.9	N-S	7
h. NRC10-SIM08 - Respond to an R5 High Alarm (Auto Actions Failed) KA SYS 033 A1.02 2.8/3.3, SYS 034 A4.01 3.3/3.7, APE 036 AA1.02 3.1/3.5	A-N-S	8
In-Plant Systems [@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
i. NRC10-INP02 - Locally Control the blender to Charging Pump Suction (QVR-400) KA APE 068 AA1.08 3.9/4.1	E-D-R	2
j. NRC10-INP01 - S/G 2/3 Level Control through AFW Unit Crosstie. KA APE 054 AA1.01 4.5/4.4	E-D-P-R 2007 Exam	4P
k. NRC10-INP03 - Perform Local Diesel Generator Trip and Isolation (DG Fails to Trip with Pushbutton) APE 068 AA1.31 3.9/4.0 (ALT)	A-D-E	6
<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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