

Facility: Byron			Date of Exam: 09/27/21									Operating Test No.: 2021-301						
A P P L I C A N T	E V E N T T Y P E	Scenarios (Crew A)													T O T A L	M I N I M U M(*)		
		5			2			3			3 (Crew C)							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
		R	I	U														
RO <input type="checkbox"/>	RX	5			2				1					3	1	1	0	
SRO-I1 <input checked="" type="checkbox"/>	NOR	1			1									2	1	1	1	
SRO-U <input type="checkbox"/>	I/C	2, 4			3, 4, 5, 7, 9				2,3					9	4	4	2	
	MAJ	6			8				5					3	2	2	1	
	TS	2, 3			5, 6									4	0	2	2	
RO-1 <input checked="" type="checkbox"/>	RX		5			2							1	3	1	1	0	
SRO-I <input type="checkbox"/>	NOR		1			1							1	3	1	1	1	
SRO-U <input type="checkbox"/>	I/C		2, 4			5, 7, 9							4	6	4	4	2	
	MAJ		6			8							5	3	2	2	1	
	TS													0	0	2	2	
RO-7 <input checked="" type="checkbox"/>	RX			5		2				1				3	1	1	0	
SRO-I <input type="checkbox"/>	NOR									1				1	1	1	1	
SRO-U <input type="checkbox"/>	I/C			2, 8		3, 4				4				5	4	4	2	
	MAJ			6		8				5				3	2	2	1	
	TS													0	0	2	2	
RO <input type="checkbox"/>	RX													0	1	1	0	
SRO-I <input type="checkbox"/>	NOR													0	1	1	1	
SRO-U <input type="checkbox"/>	I/C													0	4	4	2	
	MAJ													0	2	2	1	
	TS													0	0	2	2	

Instructions:

1. Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the at-the-controls (ATC) and balance-of-plant (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
4. For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

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A P P L I C A N T	E V E N T T Y P E	Scenarios (Crew B)															
		5			2			3			4			T O T A L	M I N I M U M(*) R I U		
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
		RO <input type="checkbox"/> SRO-I2 <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX				2			1							
	NOR				1			1						2	1	1	1
	I/C				3, 4, 5, 7, 9			2, 3, 4				2, 7		10	4	4	2
	MAJ				8			5				8		3	2	2	1
	TS				5, 6			4						3	0	2	2
RO <input type="checkbox"/> SRO-I4 <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	5						1			6			3	1	1	0
	NOR	1									1			2	1	1	1
	I/C	2, 4						2, 3			2, 3, 4, 5, 7			9	4	4	2
	MAJ	6						5			8			3	2	2	1
	TS	2, 3									1, 4, 7			5	0	2	2
RO-2 <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		5			2			1					3	1	1	0
	NOR		1			1			1					3	1	1	1
	I/C		2, 4			5, 7, 9			4					6	4	4	2
	MAJ		6			8			5					3	2	2	1
	TS													0	0	2	2
RO-5 <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			5		2						6		3	1	1	0
	NOR											1		1	1	1	1
	I/C			2, 8		3, 4						3, 4, 5		7	4	4	2
	MAJ			6		8						8		3	2	2	1
	TS													0	0	2	2

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2. Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
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4. For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

Facility: Byron			Date of Exam: 09/27/21									Operating Test No.: 2021-301							
A P P L I C A N T	E V E N T T Y P E	Scenarios (Crew C)														T O T A L	M I N I M U M(*)		
		5			3			4			3 (Crew A)								
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION								
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P						
		R	I	U															
RO <input type="checkbox"/> SRO-I3 <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	5						6		1			3	1	1	0			
	NOR	1								1			2	1	1	1			
	I/C	2, 4						2, 7		2, 3, 4			7	4	4	2			
	MAJ	6						8		5			3	2	2	1			
	TS	2, 3								4			3	0	2	2			
RO <input type="checkbox"/> SRO-I5 <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX		5		1			6					3	1	1	0			
	NOR		1		1			1					3	1	1	1			
	I/C		2, 4		2, 3, 4			2, 3, 4, 5, 7					10	4	4	2			
	MAJ		6		5			8					3	2	2	1			
	TS				4			1,4,7					4	0	2	2			
RO-3 <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			5		1				6			3	1	1	0			
	NOR									1			1	1	1	1			
	I/C			2, 8		2, 3				3, 4, 5			7	4	4	2			
	MAJ			6		5				8			3	2	2	1			
	TS												0	0	2	2			
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX												0	1	1	0			
	NOR												0	1	1	1			
	I/C												0	4	4	2			
	MAJ												0	2	2	1			
	TS												0	0	2	2			

Instructions:

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A P P L I C A N T	E V E N T T Y P E	Scenarios (Crew D)																
		2			4									T O T A L	M I N I M U M(*) R I U			
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
		RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U-1 <input checked="" type="checkbox"/>	RX	2			6											
	NOR	1			1										2	1	1	1
	I/C	3, 4, 5, 7, 9			2, 3, 5, 7										9	4	4	2
	MAJ	8			8										2	2	2	1
	TS	5, 6			1,4,7										5	0	2	2
RO-4 <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		2			6									2	1	1	0
	NOR					1									1	1	1	1
	I/C		3, 4			3, 4, 5									5	4	4	2
	MAJ		8			8									2	2	2	1
	TS														0	0	2	2
RO-6 <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			2		6									2	1	1	0
	NOR			1											1	1	1	1
	I/C			5, 7, 9		2, 7									5	4	4	2
	MAJ			8		8									2	2	2	1
	TS														0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX															1	1	0
	NOR															1	1	1
	I/C															4	4	2
	MAJ															2	2	1
	TS															0	2	2

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