

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"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	5			2				1							3	1
	NOR	1			1								2	1	1	1	
	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"/> 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-7 <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	1	1	
	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"/> 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:

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)												T O T A L	M I N I M U M (*)		
		5			2			3			4						
		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-I2 <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX				2			1					6	3	1	1	0
	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

Instructions:

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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.
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.

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					
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)												T O T A L	M I N I M U M (*)		
		2			4												
		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-I <input type="checkbox"/> SRO-U-1 <input checked="" type="checkbox"/>	RX	2			6									2	1	1	0
	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

Instructions:

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