

Facility: Monticello

Date of Exam: 10/29/18

Operating Test Number: 2018-301

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

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A P P L I C A N T	E V E N T  T Y P E	CREW 3 Scenarios													T O T A L	M I N I M U M (*)		
		NRC-1			NRC-2			NRC-3			NRC-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					
Crew 3 RO <input checked="" type="checkbox"/>	RX							4						1	1			
	NOR			1			1							2	1			
	I/C			3 4			4 7		2 7					6	4			
	MAJ			6			8		6					3	2			
	TS													0	0			
Crew 3 RO <input checked="" type="checkbox"/>	RX		2											1	1			
	NOR									1			1	2	1			
	I/C		5 7						3 5			2 7		6	4			
	MAJ		6						6			6		3	2			
	TS													0	0			
Crew 3 SRO I <input checked="" type="checkbox"/>	RX	2			2							3		3		1		
	NOR	1			1									2		1		
	I/C	3 4 5 7			3-5 7 9							4 5		11		4		
	MAJ	6			8							6		3		2		
	TS	2 4			4 6									4		2		
Crew 3 SRO U <input checked="" type="checkbox"/>	RX							4				3		2			0	
	NOR							1				1		2			1	
	I/C							2 3 5 7				2 4 5 7		8			2	
	MAJ							6				6		2			1	
	TS							1 5				2 3		4			2	

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

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