

Facility: PRAIRIE ISLAND		Date of Exam: SEPTEMBER 2018		Operating Test No.: PI-ILT-NRC-18														
A P P L I C A N T	E V E N T T Y P E	Scenarios – Group 1													T O T A L	M I N I M U M (*)		
		EVAL #1			EVAL #2			EVAL #										
		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	
R1	RX		1											1	1	1	0	
	NOR						1							1	1	1	1	
	I/C		3				4,6,7							4	4	4	2	
	MAJ		5				5							2	2	2	1	
	TS													0	0	2	2	
U1	RX													0	1	1	0	
	NOR			2	2									2	1	1	1	
	I/C			4,6,7	3,4									5	4	4	2	
	MAJ			5	5									2	2	2	1	
	TS				3,4									2	0	2	2	
I1	RX					2								1	1	1	0	
	NOR	1												1	1	1	1	
	I/C	3,4				3,8								4	4	4	2	
	MAJ	5				5								2	2	2	1	
	TS	3,4												2	0	2	2	
	RX														1	1	0	
	NOR														1	1	1	
	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	

Instructions:

- 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.
- 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 instrument or component malfunctions on a one-for-one basis.
- 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.
- 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 – Group 2													T O T A L	M I N I M U M (*)		
		EVAL #1			EVAL #2			EVAL #										
		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	
R2	RX		1											1	1	1	0	
	NOR						1							1	1	1	1	
	I/C		3				4,6,7							4	4	4	2	
	MAJ		5				5							2	2	2	1	
	TS													0	0	2	2	
U2	RX													0	1	1	0	
	NOR			2	2									2	1	1	1	
	I/C			4,6,7	3,4									5	4	4	2	
	MAJ			5	5									2	2	2	1	
	TS				3,4									2	0	2	2	
I2	RX					2								1	1	1	0	
	NOR	1												1	1	1	1	
	I/C	3,4				3,8								4	4	4	2	
	MAJ	5				5								2	2	2	1	
	TS	3,4												2	0	2	2	

Instructions:

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- 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 instrument or component malfunctions on a one-for-one basis.
- 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.
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A P P L I C A N T	E V E N T T Y P E	Scenarios – Group 3													T O T A L	M I N I M U M ^(*)		
		EVAL #1			EVAL #2			EVAL #										
		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	
R3	RX		1											1	1	1	0	
	NOR						1							1	1	1	1	
	I/C		3				4,6,7							4	4	4	2	
	MAJ		5				5							2	2	2	1	
	TS													0	0	2	2	
U3	RX													0	1	1	0	
	NOR			2	2									2	1	1	1	
	I/C			4,6,7	3,4									5	4	4	2	
	MAJ			5	5									2	2	2	1	
	TS				3,4									2	0	2	2	
I3	RX					2								1	1	1	0	
	NOR	1												1	1	1	1	
	I/C	3,4				3,8								4	4	4	2	
	MAJ	5				5								2	2	2	1	
	TS	3,4												2	0	2	2	

Instructions:

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- 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 instrument or component malfunctions on a one-for-one basis.
- 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.
- 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 – Group 4													T O T A L	M I N I M U M ^(*)		
		EVAL #3			EVAL #4			EVAL #										
		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	
R4	RX					4								1	1	1	0	
	NOR			1										1	1	1	1	
	I/C			4,7,8		2,3,7								6	4	4	2	
	MAJ			6		5								2	2	2	1	
	TS													0	0	2	2	
U4	RX													0	1	1	0	
	NOR	3					1							2	1	1	1	
	I/C	2,4,5					6							4	4	4	2	
	MAJ	6					5							2	2	2	1	
	TS	2,5												2	0	2	2	
I4	RX		3											1	1	1	0	
	NOR				4									1	1	1	1	
	I/C		2,5		2,3									4	4	4	2	
	MAJ		6		5									2	2	2	1	
	TS				2,3									2	0	2	2	

Instructions:

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- 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 instrument or component malfunctions on a one-for-one basis.
- 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.
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A P P L I C A N T	E V E N T T Y P E	Scenarios – Group 5													T O T A L	M I N I M U M ^(*)		
		EVAL #3			EVAL #4			EVAL #										
		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	
I5	RX				4								1	1	1	0		
	NOR	3											1	1	1	1		
	I/C	2,4,5			2,3,7								6	4	4	2		
	MAJ	6			5								2	2	2	1		
	TS	2,5											2	0	2	2		
I6	RX		3										1	1	1	0		
	NOR				4								1	1	1	1		
	I/C		2,5		2,3								4	4	4	2		
	MAJ		6		5								2	2	2	1		
	TS				2,3								2	0	2	2		
SUR	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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A P P L I C A N T	E V E N T T Y P E	Scenarios – Group 6													T O T A L	M I N I M U M ^(*)		
		EVAL #3			EVAL #4			EVAL #										
		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	
17	RX				4								1	1	1	0		
	NOR	3											1	1	1	1		
	I/C	2,4,5			2,3,7								6	4	4	2		
	MAJ	6			5								2	2	2	1		
	TS	2,5											2	0	2	2		
18	RX		3										1	1	1	0		
	NOR				4								1	1	1	1		
	I/C		2,5		2,3								4	4	4	2		
	MAJ		6		5								2	2	2	1		
	TS				2,3								2	0	2	2		
SUR	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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