

Facility: PRAIRIE ISLAND			Date of Exam: AUGUST 2014			Operating Test No.: PI-ILT-NRC-14											
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 #3			CREW POSITION						
		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
<b>I1</b>	RX		1										1	1	1	0	
	NOR				5					2			2	1	1	1	
	I/C		2, 3		3, 4, 9					4			6	4	4	2	
	MAJ		4		6					7			3	2	2	1	
	TS				2, 3								2	0	2	2	
<b>I2</b>	RX					5							1	1	1	0	
	NOR							1					1	1	1	1	
	I/C			5, 6		3, 8		4, 6					6	4	4	2	
	MAJ			4		6		7					3	2	2	1	
	TS							3, 4					2	0	2	2	
<b>I3</b>	RX							1					1	1	1	0	
	NOR	1					1						2	1	1	1	
	I/C	2, 3					4, 7, 9		5, 6				7	4	4	2	
	MAJ	4					6		7				3	2	2	1	
	TS	2, 3											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 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 Instant SRO *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 1-for-1 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 2												T O T A L	M I N I M U M (*)		
		EVAL #1			EVAL #2			EVAL #3			CREW POSITION						
		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
<b>I4</b>	RX		1										1	1	1	0	
	NOR				5					2			2	1	1	1	
	I/C		2, 3		3, 4, 9					4			6	4	4	2	
	MAJ		4		6					7			3	2	2	1	
	TS				2, 3								2	0	2	2	
<b>I5</b>	RX					5							1	1	1	0	
	NOR							1					1	1	1	1	
	I/C			5, 6		3, 8		4, 6					6	4	4	2	
	MAJ			4		6		7					3	2	2	1	
	TS							3, 4					2	0	2	2	
<b>I6</b>	RX							1					1	1	1	0	
	NOR	1					1						2	1	1	1	
	I/C	2, 3					4, 7, 9		5, 6				7	4	4	2	
	MAJ	4					6		7				3	2	2	1	
	TS	2, 3											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:

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 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 Instant SRO *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 instrument or component malfunctions on a 1-for-1 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.

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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												
		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		2, 3				4, 7, 9							5	4	4	2
	MAJ		4				6							2	2	2	1
	TS													0	0	2	2
I7	RX					5								1	1	1	0
	NOR	1												1	1	1	1
	I/C	2, 3				3, 8								4	4	4	2
	MAJ	4				6								2	2	2	1
	TS	2, 3												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
	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														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 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 Instant SRO *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 instrument or component malfunctions on a 1-for-1 basis.
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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 #4			EVAL #5												
		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		3											1	1	1	0
	NOR						1							1	1	1	1
	I/C		4, 7				4, 7							4	4	4	2
	MAJ		6				6							2	2	2	1
	TS													0	0	2	2
R3	RX					5								1	1	1	0
	NOR			1										1	1	1	1
	I/C			2, 5		2, 3								4	4	4	2
	MAJ			6		6								2	2	2	1
	TS													0	0	2	2
U1	RX													0	1	1	0
	NOR	3			5									2	1	1	1
	I/C	2, 4, 7			2, 3, 4									6	4	4	2
	MAJ	6			6									2	2	2	1
	TS	2			2, 3									3	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:

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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 1-for-1 basis.
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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 #4			EVAL #5												
		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		3											1	1	1	0
	NOR						1							1	1	1	1
	I/C		4, 7				4, 7							4	4	4	2
	MAJ		6				6							2	2	2	1
	TS													0	0	2	2
R5	RX					5								1	1	1	0
	NOR			1										1	1	1	1
	I/C			2, 5		2, 3								4	4	4	2
	MAJ			6		6								2	2	2	1
	TS													0	0	2	2
U2	RX													0	1	1	0
	NOR	3			5									2	1	1	1
	I/C	2,4,7			2, 3, 4									6	4	4	2
	MAJ	6			6									2	2	2	1
	TS	2			2, 3									3	0	2	2
	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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- 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 1-for-1 basis.
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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 #4			EVAL #5												
		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	
R6	RX		3											1	1	1	0
	NOR						1							1	1	1	1
	I/C		4, 7				4, 7							4	4	4	2
	MAJ		6				6							2	2	2	1
	TS													0	0	2	2
R7	RX					5								1	1	1	0
	NOR			1										1	1	1	1
	I/C			2, 5		2, 3								4	4	4	2
	MAJ			6		6								2	2	2	1
	TS													0	0	2	2
U3	RX													0	1	1	0
	NOR	3			5									2	1	1	1
	I/C	2,4,7			2, 3, 4									6	4	4	2
	MAJ	6			6									2	2	2	1
	TS	2			2, 3									3	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:

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 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 Instant SRO *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 instrument or component malfunctions on a 1-for-1 basis.
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