

Facility: PRAIRIE ISLAND Date of Exam: MAY 2016 Operating Test No.: PI-ILT-NRC-16

A P P L I C A N T	E V E N T T Y P E	Scenarios – Group 1															
		EVAL #1			EVAL #2			EVAL #4			CREW POSITION			T O T A L	M I N I M U M (*)		
		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		4											1	1	1	0
	NOR						1			2				2	1	1	1
	I/C		1, 5				5, 7			3, 7				6	4	4	2
	MAJ		6				6			5, 8				4	2	2	1
	TS													0	0	2	2
I1	RX					2								1	1	1	0
	NOR								1					1	1	1	1
	I/C			1, 3, 7		3, 4			3, 4, 6, 7					9	4	4	2
	MAJ			6		6			5, 8					4	2	2	1
	TS								3, 4					2	0	2	2
I2	RX								1					1	1	1	0
	NOR	4			2									2	1	1	1
	I/C	1, 3, 5, 7			3, 4, 5, 7				4, 6					10	4	4	2
	MAJ	6			6				5, 8					4	2	2	1
	TS	1, 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 (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 instrument or component 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 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: PRAIRIE ISLAND Date of Exam: MAY 2016 Operating Test No.: PI-ILT-NRC-16

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	
R2	RX		4										1	1	1	0		
	NOR						1			1			2	1	1	1		
	I/C		1, 5				5, 7			4, 7			6	4	4	2		
	MAJ		6				6			6			3	2	2	1		
	TS												0	0	2	2		
I3	RX					2							1	1	1	0		
	NOR								3				1	1	1	1		
	I/C			1, 3, 7		3, 4			2, 4, 5, 7				9	4	4	2		
	MAJ			6		6			6				3	2	2	1		
	TS								2, 4				2	0	2	2		
I4	RX								3				1	1	1	0		
	NOR	4			2								2	1	1	1		
	I/C	1, 3, 5, 7			3, 4, 5, 7				2, 5				10	4	4	2		
	MAJ	6			6				6				3	2	2	1		
	TS	1, 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:

- 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 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: PRAIRIE ISLAND Date of Exam: MAY 2016 Operating Test No.: PI-ILT-NRC-16

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 #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	
R3	RX		4										1	1	1	0		
	NOR						1			1			2	1	1	1		
	I/C		1, 5				5, 7			4, 7			6	4	4	2		
	MAJ		6				6			6			3	2	2	1		
	TS												0	0	2	2		
I5	RX					2							1	1	1	0		
	NOR								3				1	1	1	1		
	I/C			1, 3, 7		3, 4			2, 4, 5, 7				9	4	4	2		
	MAJ			6		6			6				3	2	2	1		
	TS								2, 4				2	0	2	2		
I6	RX								3				1	1	1	0		
	NOR	4			2								2	1	1	1		
	I/C	1, 3, 5, 7			3, 4, 5, 7				2, 5				10	4	4	2		
	MAJ	6			6				6				3	2	2	1		
	TS	1, 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:

- 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 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: PRAIRIE ISLAND Date of Exam: MAY 2016 Operating Test No.: PI-ILT-NRC-16

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 #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	
R4	RX		4										1	1	1	0		
	NOR						1			1			2	1	1	1		
	I/C		1, 5				5, 7			4, 7			6	4	4	2		
	MAJ		6				6			6			3	2	2	1		
	TS												0	0	2	2		
I7	RX					2							1	1	1	0		
	NOR								3				1	1	1	1		
	I/C			1, 3, 7		3, 4			2, 4, 5, 7				9	4	4	2		
	MAJ			6		6			6				3	2	2	1		
	TS								2, 4				2	0	2	2		
I8	RX								3				1	1	1	0		
	NOR	4			2								2	1	1	1		
	I/C	1, 3, 5, 7			3, 4, 5, 7				2, 5				10	4	4	2		
	MAJ	6			6				6				3	2	2	1		
	TS	1, 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 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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Facility: PRAIRIE ISLAND Date of Exam: MAY 2016 Operating Test No.: PI-ILT-NRC-16

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												
		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
R5	RX		3										1	1	1	0	
	NOR						2						1	1	1	1	
	I/C		2, 5				3, 7						4	4	4	2	
	MAJ		6				5, 8						3	2	2	1	
	TS												0	0	2	2	
R6	RX					1							1	1	1	0	
	NOR			1									1	1	1	1	
	I/C			4, 7		4, 6							4	4	4	2	
	MAJ			6		5, 8							3	2	2	1	
	TS												0	0	2	2	
U1	RX												0	1	1	0	
	NOR	3			1								2	1	1	1	
	I/C	2, 4, 5, 7			3, 4, 6, 7								8	4	4	2	
	MAJ	6			5, 8								3	2	2	1	
	TS	2, 4			3, 4								4	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.
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