

Facility: LIMERICK			Date of Exam: 11/26/2018									Operating Test No.: 001					
A P P L I C A N T	E V E N T  T Y P E	Scenarios												T O T A L	M I N I M U M (*)		
		(1) 3005E			(2) 4058E			(3) 6221E			(4) 2016 s						
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W 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			
SRO-U (1)	RX																0
	NOR													0*	1	1	1
	I/C	1,2,3 4,5,6 8,9												8	4	4	2
	MAJ	7												1	2	2	1
	TS	1,2												2	0	2	2
SRO-U (2)	RX				1									1	1	1	0
	NOR													0*	1	1	1
	I/C				2,3,4 5,7,8									6	4	4	2
	MAJ				6									1	2	2	1
	TS				2,4									2	0	2	2
SRO-I (1)	RX								3					1	1	1	0
	NOR													0*	1	1	1
	I/C	1,2,3 4,5,6 8,9					3,4,5, 7,8		5,6,8					16	4	4	2
	MAJ	7					6		7					3	2	2	1
	TS	1,2												2	0	2	2
SRO-I (2)	RX					1			3					2	1	1	0
	NOR								1					1	1	1	1
	I/C			1,2, 3,6		2,5		2,4,5 6,8,9						12	4	4	2
	MAJ			7		6		7						3	2	2	1
	TS							2,4						2	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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		(1) 3005E			(2) 4058E			(3) 6221E			(4) 2016 s						
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W 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		
SRO-I (3)	RX				1									1	1	1	0
	NOR													0*	1	1	1
	I/C		3,4,5		2,3,4 5,7,8									9	4	4	2
	MAJ		7		6									2	2	2	1
	TS				2,4									2	0	2	2
RO-(1)	RX					1								1	1	1	0
	NOR													0*	1	1	1
	I/C			1,2 3,6 8,9		2,5								8	4	4	2
	MAJ			7		6								2	2	2	1
	TS													0	0	2	2
RO-(2)	RX													0*	1	1	0
	NOR								1					1	1	1	1
	I/C		3,4,5		3,4,5, 7,8				2,4,9					11	4	4	2
	MAJ		7		6			7						3	2	2	1
	TS													0	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 I/C malfunctions on a one-for-one basis.
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