




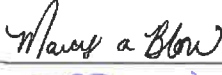
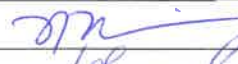


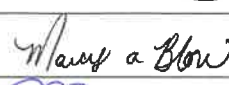
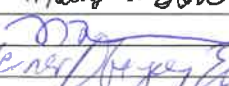



Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	c**
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	AS	JK	TF
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 or ES-401N and whether all K/A categories are appropriately sampled.	AS	JK	TF
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	AS	JK	TF
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	AS	JK	TF
2. SIMULATOR	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	AS	JK	TF
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.	AS	JK	TF
	c. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D and in Section D.5, "Specific Instructions for the 'Simulator Operating Test,'" of ES-301 (including overlap).	AS	JK	TF
3. WALKTHROUGH	a. Verify that the systems walkthrough outline meets the criteria specified on Form ES-301-2: (1) The outline(s) contains the required number of control room and in-plant tasks distributed among the safety functions as specified on the form. (2) Task repetition from the last two NRC examinations is within the limits specified on the form. (3) No tasks are duplicated from the applicant's audit test(s). (4) The number of new or modified tasks meets or exceeds the minimums specified on the form. (5) The number of alternate-path, low-power, emergency, and radiologically controlled area tasks meets the criteria on the form.	AS	JK	TF
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) The tasks are distributed among the topics as specified on the form. (2) At least one task is new or significantly modified. (3) No more than one task is repeated from the last two NRC licensing examinations.	AS	JK	TF
	c. Determine whether there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	AS	JK	TF
4. GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	AS	JK	TF
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	AS	JK	TF
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	AS	JK	TF
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	AS	JK	TF
	e. Check the entire exam for balance of coverage.	AS	JK	TF
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	AS	JK	TF
Printed Name/Signature		Date		
a. Author	 A. Servaes	7/26/19		
b. Facility Reviewer (*)	 J. Knapp	7/26/19		
c. NRC Chief Examiner (#)	 T. Farina	8/6/19		
d. NRC Supervisor	 Gregory Werner	09/16/2019		
* Not applicable for NRC-prepared examination outlines.				
# The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.				

Facility: <b>Wolf Creek</b>		Date of Exam: <b>6 Dec 19</b>		Exam Level: RO <input type="checkbox"/> SRO <input type="checkbox"/>		
Item Description				Initial		
				a	b*	c*#
1.	Questions and answers are technically accurate and applicable to the facility.			AJS	MAB	TF
2.	a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available. c. Correct answer explanation and distractor analysis provided (ES-401, D.2.g)			AJS AJS AJS	MAB MAB MAB	TF TF TF
3.	SRO questions are appropriate in accordance with Section D.2.d of ES-401			AJS	MAB	TF
4.	The sampling process was random and systematic. (If more than four RO or two SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office). (2 from 2015 exam, 0 from 2017 exam)			AJS	MAB	TF
5.	Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate.  ___ The audit exam was systematically and randomly developed, or <b>X</b> the audit exam was completed before the license exam was started, or ___ the examinations were developed independently, or ___ the licensee certifies that there is no duplication, or ___ other (explain).			AJS	MAB	TF
6.	Bank use meets limits (no more than 75% from the bank, at least 10% new, and the rest new or modified); enter the actual RO/SRO-only question distribution(s) at right.	Bank	Modified	New	N/A	N/A
		29/2	1/0	45/23	AJS	MAB
7.	Between 38 and 45 questions of the questions on the RO exam and at least 13 questions of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level (see ES-401, D.2.c); enter the actual RO/SRO-only question distribution(s) at right.	Memory	C/A		N/A	N/A
		32/8	43/17		AJS	MAB
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.			AJS	MAB	TF
9.	Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.			AJS	MAB	TF
10.	Question psychometric quality and format meet the guidelines in Appendix B.			AJS	MAB	TF
11.	The exam contains the required number of one-point, multiple-choice items; the total is correct and agrees with the value on the cover sheet.			AJS	MAB	TF
Printed Name/Signature				Date		
a.	Author	Andrew Servaes			11/19/19	
b.	Facility Reviewer (*)	Marcy Blow			11/19/19	
c.	NRC Chief Examiner (#)	T. Karcina			11/19/19	
d.	NRC Regional Supervisor	Gregory E. Werner			11/21/19	
Note: * The facility reviewer's initials or signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initials items in Column "c"; chief examiner concurrence is required.						

Facility: <b>Wolf Creek</b>		Date of Examination: <b>9 Dec 2019</b>		Operating Test Number:	
1. General Criteria		Initials			
		a	b*	c#	
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	JDB	MAB	TF	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JDB	MAB	TF	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	JDB	MAB	TF	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	JDB	MAB	TF	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JDB	MAB	TF	
2. Walkthrough Criteria		--	--	--	
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>initial conditions</li> <li>initiating cues</li> <li>references and tools, including associated procedures</li> <li>reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>operationally important specific performance criteria that include— <ul style="list-style-type: none"> <li>detailed expected actions with exact criteria and nomenclature</li> <li>system response and other examiner cues</li> <li>statements describing important observations to be made by the applicant</li> <li>criteria for successful completion of the task</li> <li>identification of critical steps and their associated performance standards</li> <li>restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	JDB	MAB	TF	
b.	Ensure that any changes from the previously approved systems and administrative walkthrough outlines (Forms ES-301-1 and ES-301-2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last two NRC examinations) specified on those forms and Form ES-201-2.	JDB	MAB	TF	
3. Simulator Criteria		--	--	--	
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4, and a copy is attached.		JDB	MAB	TF	
Printed Name/Signature		Date			
a. Author	Josh Bousum 	9/26/2019			
b. Facility Reviewer (*)	Marcy Blow 	9/26/2019			
c. NRC Chief Examiner (#)	TFARINA 	11/19/2019			
d. NRC Supervisor	Gregory T. Werner 	11/21/2019			
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># The independent NRC reviewer initials items in column "c"; the chief examiner concurrence is required.</p>					

Facility: <b>Wolf Creek</b>		Date of Exam: <b>Dec 2019</b>	Scenario Numbers: <b>1,2,3,4,5</b>	Operating Test No.:		
QUALITATIVE ATTRIBUTES			Initials			
			a	b*	c#	
1. The initial conditions are realistic in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.			JDB	MAB	TF	
2. The scenarios consist mostly of related events.			JDB	MAB	TF	
3. Each event description consists of the following: <ul style="list-style-type: none"> <li>the point in the scenario when it is to be initiated</li> <li>the malfunction(s) or conditions that are entered to initiate the event</li> <li>the symptoms/cues that will be visible to the crew</li> <li>the expected operator actions (by shift position)</li> <li>the event termination point (if applicable)</li> </ul>			JDB	MAB	TF	
4. The events are valid with regard to physics and thermodynamics.			JDB	MAB	TF	
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			JDB	MAB	TF	
6. If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.			N/A	N/A	TF N/A	
7. The simulator modeling is not altered.			JDB	MAB	TF	
8. The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.			JDB	MAB	TF	
9. Scenarios are <b>new</b> or significantly modified in accordance with Section D.5 of ES-301.			JDB	MAB	TF	
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			JDB	MAB	TF	
11. The scenario set provides the opportunity for each applicant to be evaluated in each of the applicable rating factors. (Competency rating factors as described on Forms ES-303-1 and ES-303-3.)			JDB	MAB	TF	
12. Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).			JDB	MAB	TF	
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible. <b>3 each</b>			JDB	MAB	TF	
14. The level of difficulty is appropriate to support licensing decisions for each crew position.			JDB	MAB	TF	
<b>Target Quantitative Attributes per Scenario (See Section D.5.d)</b>			Actual Attributes			
1. Malfunctions after EOP entry (1-2)			3 / 2 / 2 / 3 / 2			
2. Abnormal events (2-4)			4 / 5 / 5 / 4 / 5			
3. Major transients (1-2)			1 / 2 / 1 / 1 / 1			
4. EOPs entered/requiring substantive actions (1-2)			2 / 3 / 1 / 2 / 2			
5. Entry into a contingency EOP with substantive actions ( $\geq 1$ per scenario set)			0 / 1 / 0 / 1 / 1			
6. Preidentified critical tasks ( $\geq 2$ )			3 / 3 / 3 / 3 / 3			
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># An independent NRC reviewer initials items in column "c"; chief examiner concurrence is required.</p>						

Facility: <b>Wolf Creek</b>			Date of Exam: <b>December 2019</b>									Operating Test No.: <b>Crew A</b>						
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 (*)		
		2			3			4			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					
<b>SRO-U1</b>	RX	0			0										0	1	1	0
	NOR	0			0										0	1	1	1
	I/C	7			7										14	4	4	2
	MAJ	2			1										3	2	2	1
	TS	2			2										4	0	2	2
<b>RO1</b>	RX		0				0								0	1	1	0
	NOR		0				0								0	1	1	1
	I/C		4				5								9	4	4	2
	MAJ		2				1								3	2	2	1
	TS		0				0								0	0	2	2
<b>RO2</b>	RX			0		0									0	1	1	0
	NOR			0		0									0	1	1	1
	I/C			4		4									8	4	4	2
	MAJ			2		1									3	2	2	1
	TS			0		0									0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U	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 I/C 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.



Facility: <b>Wolf Creek</b>		Date of Exam: <b>December 2019</b>		Operating Test No.: <b>Crew B</b>													
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(*)		
		2			3			4			5				R	I	U
		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				
<b>SRO-U2</b>	RX	0			0									0	1	1	0
	NOR	0			0									0	1	1	1
	I/C	7			7 6									14 13	4	4	2
	MAJ	2			1									3	2	2	1
	TS	2			2 1									4 3	0	2	2
<b>RO3</b>	RX		0			0								0	1	1	0
	NOR		0			0								0	1	1	1
	I/C		4			5 3								9 7	4	4	2
	MAJ		2			1								3	2	2	1
	TS		0			0								0	0	2	2
<b>RO4</b>	RX			0		0								0	1	1	0
	NOR			0		0								0	1	1	1
	I/C			4		4								8	4	4	2
	MAJ			2		1								3	2	2	1
	TS			0		0								0	0	2	2
RO <input type="checkbox"/>	RX													1	1	0	
SRO-I <input type="checkbox"/>	NOR													1	1	1	
I/C														4	4	2	
SRO-U <input type="checkbox"/>	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 I/C 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.

Facility: <b>Wolf Creek</b>			Date of Exam: <b>December 2019</b>									Operating Test No.: <b>Crew C</b>							
A P P L I C A N T	E V E N T  T Y P E	Scenarios																	
		2			3			4			5			T O T A L	M I N I M U M (*)				
		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>SRO-U3</b>	RX	0														0	1	1	0
	NOR	0														0	1	1	1
	I/C	7														7	4	4	2
	MAJ	2														2	2	2	1
	TS	2														2	0	2	2
<b>SRO-I3</b>	RX		0		0			0								0	1	1	0
	NOR		0		0			0								0	1	1	1
	I/C		4		7			7								18	4	4	2
	MAJ		2		1			1								4	2	2	1
	TS		0		2			2								4	0	2	2
<b>RO5</b>	RX			0		0				0						0	1	1	0
	NOR			0		0				0						0	1	1	1
	I/C			4		4				4						12	4	4	2
	MAJ			2		1				1						4	2	2	1
	TS			0		0				0						0	0	2	2
<b>RO6</b>	RX					0		0								0	1	1	0
	NOR					0		0								0	1	1	1
	I/C					5		5								10	4	4	2
	MAJ					1		1								2	2	2	1
	TS					0		0								0	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 I/C 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.

Facility: <b>Wolf Creek</b>			Date of Exam: <b>December 2019</b>									Operating Test No.: <b>Crew D</b>								
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 (*)			
		2			3			4			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
<b>SRO-U4</b>	RX	0														0	1	1	0	
	NOR	0														0	1	1	1	
	I/C	7														7	4	4	2	
	MAJ	2														2	2	2	1	
	TS	2														2	0	2	2	
<b>SRO-I4</b>	RX		0					0				0				0	1	1	0	
	NOR		0					0				0				0	1	1	1	
	I/C		4					7				7				18	4	4	2	
	MAJ		2					1				1				4	2	2	1	
	TS		0					2				2				4	0	2	2	
<b>RO7</b>	RX			0					0					0		0	1	1	0	
	NOR			0					0					0		0	1	1	1	
	I/C			4					5					5		14	4	4	2	
	MAJ			2					1					1		4	2	2	1	
	TS			0					0					0		0	0	2	2	
<b>RO8</b>	RX								0			0				0	1	1	0	
	NOR								0			0				0	1	1	1	
	I/C								4			5				9	4	4	2	
	MAJ								1			1				2	2	2	1	
	TS								0			0				0	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.
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- 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.



Facility: <b>Wolf Creek</b>				Date of Exam: <b>December 2019</b>				Operating Test No.: <b>Crew E</b>									
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 (*)		
		2			3			4			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				
<b>SRO-I1</b>	RX				0				0		0			<b>0</b>	1	<b>1</b>	0
	NOR				0				0		0			<b>0</b>	1	<b>1</b>	1
	I/C				7				5		7			<b>19</b>	4	<b>4</b>	2
	MAJ				1				1		1			<b>3</b>	2	<b>2</b>	1
	TS				2				0		2			<b>4</b>	0	<b>2</b>	2
<b>SRO-I2</b>	RX					0		0				0	<b>0</b>	1	<b>1</b>	0	
	NOR					0		0				0	<b>0</b>	1	<b>1</b>	1	
	I/C					4		7				5	<b>16</b>	4	<b>4</b>	2	
	MAJ					1		1				1	<b>3</b>	2	<b>2</b>	1	
	TS					0		2				0	<b>2</b>	0	<b>2</b>	2	
<b>RO9</b>	RX						0			0		0	<b>0</b>	<b>1</b>	1	0	
	NOR						0			0		0	<b>0</b>	<b>1</b>	1	1	
	I/C						5			4		5	<b>14</b>	<b>4</b>	4	2	
	MAJ						1			1		1	<b>3</b>	<b>2</b>	2	1	
	TS						0			0		0	<b>0</b>	<b>0</b>	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	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 I/C 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.

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b>		Operating Test No.:												
Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <b>SRO-U1</b> <input checked="" type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <b>SRO-U2</b> <input checked="" type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <b>SRO-U3</b> <input checked="" type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <b>SRO-U4</b> <input checked="" type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5
	1-9	1-8			1-9	1-8			1-9				1-9			
Interpret/Diagnose Events and Conditions	1-9	1-8			1-9	1-8			1-9				1-9			
Comply with and Use Procedures (1)	1-9	1-8			1-9	1-8			1-9				1-9			
Operate Control Boards (2)	CRS	CRS			CRS	CRS			CRS				CRS			
Communicate and Interact	1-9	1-8			1-9	1-8			1-9				1-9			
Demonstrate Supervisory Ability (3)	1-9	1-8			1-9	1-8			1-9				1-9			
Comply with and Use TS (3)	1,4	2,5			1,4	2,5			1,4				1,4			
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	RO <input type="checkbox"/> <b>SRO-I1</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I2</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I3</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I4</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
Interpret/Diagnose Events and Conditions		1-8	1, 3-6, 9	1-8		1-3, 5-6,	1-9	1,3, 5-8	1, 3, 5-6, 8-9	1-8	1-9		1, 3, 5-6, 8-9		1-9	1-8	
Comply with and Use Procedures (1)		1-8	1, 3-6, 9	1-8		1-3, 5-6	1-9	1,3, 5-8	1, 3, 5-6, 8-9	1-8	1-9		1, 3, 5-6, 8-9		1-9	1-8	
Operate Control Boards (2)		CRS	1, 3-6, 9	CRS		1-3, 5-6	CRS	1,3 5-8	1, 3, 5-6, 8-9	CRS	CRS		1, 3, 5-6, 8-9		CRS	CRS	
Communicate and Interact		1-8	1-9	1-8		1-8	1-9	1-8	1-9	1-8	1-9		1-9		1-9	1-8	
Demonstrate Supervisory Ability (3)		1-8	ATC	1-8		ATC	1-9	BOP	ATC	1-8	1-9		ATC		1-9	1-8	
Comply with and Use TS (3)		2,5	ATC	3,4		ATC	1,3	BOP	ATC	2,5	1,3		ATC		1,3	3,4	
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	<b>RO1</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				<b>RO2</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				<b>RO3</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				<b>RO4</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
Interpret/Diagnose Events and Conditions	1, 3, 5-6, 8-9	1, 4-8			2-4, 6-8	1-3, 5-6,			1, 3, 5-6, 8-9	1, 4-8			2-4, 6-8	1-3, 5-6,			
Comply with and Use Procedures (1)	1, 3, 5-6, 8-9	1, 4-8			2-4, 6-8	1-3, 5-6			1, 3, 5-6, 8-9	1, 4-8			2-4, 6-8	1-3, 5-6			
Operate Control Boards (2)	1, 3, 5-6, 8-9	1, 4-8			2-4, 6-8	1-3, 5-6			1, 3, 5-6, 8-9	1, 4-8			2-4, 6-8	1-3, 5-6			
Communicate and Interact	1-9	1-8			1-9	1-8			1-9	1-8			1-9	1-8			
Demonstrate Supervisory Ability (3)	ATC	BOP			BOP	ATC			ATC	BOP			BOP	ATC			
Comply with and Use TS (3)	ATC	BOP			BOP	ATC			ATC	BOP			BOP	ATC			
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	<b>RO5</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO6</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO7</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO8</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
	2-4, 6-8	1-3, 5-6,	2-3, 5, 7-9			1, 4-8	1, 3-6, 9		2-4, 6-8		1, 3-6, 9	1,3, 5-8			2-3, 5, 7-9	2-6, 8	
Comply with and Use Procedures (1)	2-4, 6-8	1-3, 5-6	2-3, 5, 7-9			1, 4-8	1, 3-6, 9		2-4, 6-8		1, 3-6, 9	1,3, 5-8			2-3, 5, 7-9	2-6, 8	
Operate Control Boards (2)	2-4, 6-8	1-3, 5-6	2-3, 5, 7-9			1, 4-8	1, 3-6, 9		2-4, 6-8		1, 3-6, 9	1,3, 5-8			2-3, 5, 7-9	2-6, 8	
Communicate and Interact	1-9	1-8	1-9			1-8	1-9		1-9		1-9	1-8			1-9	1-8	
Demonstrate Supervisory Ability (3)	BOP	ATC	BOP			BOP	ATC		BOP		ATC	BOP			BOP	ATC	
Comply with and Use TS (3)	BOP	ATC	BOP			BOP	ATC		BOP		ATC	BOP			BOP	ATC	
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

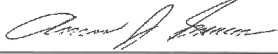
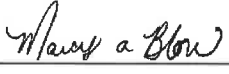

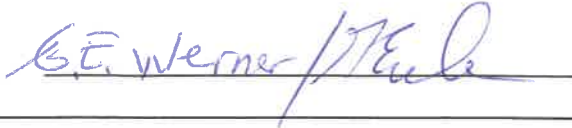
Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b>		Operating Test No.:																
Competencies	APPLICANTS																			
	<b>RO9</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>X</b> <input type="checkbox"/> <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO							
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5				
Interpret/Diagnose Events and Conditions		1, 4-8	2-3, 5, 7-9	2-6, 8																
Comply with and Use Procedures (1)		1, 4-8	2-3, 5, 7-9	2-6, 8																
Operate Control Boards (2)		1, 4-8	2-3, 5, 7-9	2-6, 8																
Communicate and Interact		1-8	1-9	1-8																
Demonstrate Supervisory Ability (3)		BOP	BOP	ATC																
Comply with and Use TS (3)		BOP	BOP	ATC																
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																				



Facility: <b>Wolf Creek</b>		Date of Exam: <b>6 Dec 19</b>		Exam Level: RO <b>X</b> SRO <b>X</b>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	AJS	MAB	TJF		
2. Proposed answer key changes and question deletions justified and documented (facility reviewer initials not required (N/R) if NO post-examination comments are submitted)	N/R	N/R	N/R		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	AJS	MAB	TJF		
4. Grading for all borderline cases (80% $\pm$ 2% overall and 70% or 80%, as applicable, $\pm$ 4% on the SRO-only exam) reviewed in detail	N/A	N/A	N/A		
5. All other failing examinations checked to ensure that grades are justified	N/A	N/A	N/A		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by one-half or more of the applicants <ul style="list-style-type: none"> <li>#97 2.3.7 (3/8) – 38% (RCA Fast Entry Dosimetry)</li> <li>#81 011 / A2.10 (3/8) – 38% (LCO 3.0.3 for 2 failed PZR Level Inst)</li> <li>#33 029 / K1.02 (7/17) – 41% (CPIS Actuation from gas channel)</li> <li>#49 054 / 2.1.31 (8/17) – 47% (No Auto MFP Trip on Vibration)</li> <li>#85 EPE 038 / 2.4.21 – 50% (4/8) 50% (Transition to EMG C-31)</li> </ul>	AJS	MAB	TJF		

Printed Name/Signature	Date
a. Grader <u>Andrew J. Servaes</u> 	<u>12/6/19</u>
b. Facility Reviewer(*) <u>Marcy A. Blow</u> 	<u>12/9/19</u>
c. NRC Chief Examiner (*) <u>T. J. FARINA</u> 	<u>12/19/2019</u>
d. NRC Supervisor (*) <u>G.E. Werner</u> 	<u>12/23/2019</u>

(\*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Exam Week	Site / Docket # / Insp Rpt #	# Candidates				Type	Exam Author	Chief Examiner	Examiners Assigned
		RO	LSRO	SROI	SROU				
11/03/2019	Wolf Creek / 05000482 / 2019301 CAC #: 000956					FB-OR- ONSITE VALIDATI ON OF INITIAL LICENSE EXAMIN ATION (OV)		Farina, Thomas	Doyle,Matthew Farina,Thomas Hernandez,Nicholas Osterholtz,Clyde Steely,Christopher
12/08/2019	Wolf Creek / 05000482 / 2019301 CAC #: 000500	9	0	4	4	FB-OR- INITIAL LICENSE EXAM ADMINIS TRATION (EXAD)	NFF	Farina, Thomas	Doyle,Matthew Farina,Thomas Hernandez,Nicholas Osterholtz,Clyde Steely,Christopher

Sites: WC

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD, NEXAD, NOV, OV

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Summary by Date	RO	SROI	SROU	LSRO	Total
12/2019	9	4	4	0	17

Sites: WC

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD, NEXAD, NOV, OV

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Summary by Site	RO	SROI	SROU	LSRO	Total
Wolf Creek	9	4	4	0	17

Sites: WC

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD, NEXAD, NOV, OV

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Summary by Region	RO	SROI	SROU	LSRO	Total
Region 4	9	4	4	0	17

Sites: WC

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD, NEXAD, NOV, OV

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 12/9/19 - 12/17/19 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) 12/9/19 - 12/17/19. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Gabe Kimich	RBS EXAM LEAD		8/20/19	*	12/17/19	
2. Chad Woods	SM		9/12/19	*	12/16/19	
3. Glover, Jeremiah	SRO		9/18/19	*	12/16/19	
4. BICHEL DAVID	RO		9/18/19	*	12/16/19	
5. Lucas Allen	RO		9/18/19	*	12/16/19	
6. KELVIN CHRISTENSEN	RO		9-19-19	*	12/16/19	
7. Travis Rohlfing	SRO		9/19/19	*	12/16/19	
8. Michelle Meyer	ISI - Requal/NSO		10/31/19	*	12/16/19	
9. DAWSON G. KOLSON	SM		11/4/19	*	12/16/19	
10. ROBERT PLUMMER	ILD Inst		11/4/19	*	12/16/19	
11. Clint Crossland	Inst		11/4/19	*	12/16/19	
12. Vanessa Powell	Validation	Vanessa Powell	11/6/19	*	12/16/19	12/17/19 12/18/19
13. Claude Baker	Validation		11/6/19	*	12/16/19	
14. Matt Hendershot	Proctor		12/5/19	*	12/16/19	
15. Brandon Palmer	Proctor		12/5/19	*	12/17/19	

NOTES:

\* Confirmed Electronically



1. Pre-Examination

PAGE 2 OF 3

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 12/9/19 - 12/17/19 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>SERVAES, ANDREW</u>	<u>EXAM AUTHOR</u>		<u>5/29/19</u>		<u>12/14/19</u>	
2. <u>KNAPP, JAMES</u>	<u>FACILITY REP</u>		<u>5/29/19</u>		<u>12/15/19</u>	
3. <u>VANNOCKER, JOLENE</u>	<u>ADMIN SUPPORT</u>		<u>5/29/19</u>		<u>12/16/19</u>	
4. <u>Bousum, Joshua</u>	<u>EXAM AUDITOR</u>		<u>7/23/19</u>		<u>12/14/19</u>	
5. <u>Berry, Dale</u>	<u>Simulator Fidelity Coordinator</u>		<u>8-7-19</u>		<u>12/12/19</u>	
6. <u>Starr, Jacob</u>	<u>Simulator Specialist Lead</u>		<u>8-12-19</u>		<u>12/14/19</u>	
7. <u>Robney, Wolfe</u>	<u>SEM Specialist</u>		<u>8-13-19</u>		<u>12/12/19</u>	
8. <u>Maruy, Sean</u>	<u>SEM - Facility Rep</u>		<u>8-20-19</u>		<u>12/15/19</u>	
9. <u>Shurt, Shefer</u>	<u>CRS - Validation</u>		<u>8/29/19</u>		<u>12/15/19</u>	
10. <u>Daniel Christensen</u>	<u>SE - Validator</u>		<u>9/25/19</u>		<u>12/14/19</u>	
11. <u>Tyler Greenfield</u>	<u>SM</u>		<u>8/29/19</u>		<u>12/14/19</u>	
12. <u>BRET DAVIS</u>	<u>CRS</u>		<u>9/4/19</u>		<u>12/17/19</u>	
13. <u>Gray, Jerry</u>	<u>SE</u>		<u>7/4/19</u>		<u>12/31/19</u>	
14. <u>Boo, Daniel</u>	<u>RO</u>		<u>7/12/19</u>		<u>12/16/19</u>	
15. <u>Harmon, UNRUM</u>	<u>RO</u>		<u>9/12/19</u>		<u>12/16/19</u>	

NOTES:






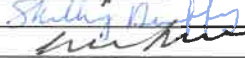



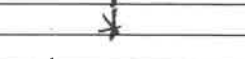

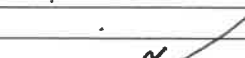

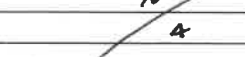
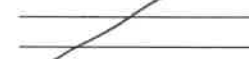

\* Confirmed Electronically

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 12/6/19 - 12/14/19 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) 12/9/19 - 12/17/19. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Tony S. Farrow	Proctor		12/6/19		12/14/19	
2. Tim Dunlop	ops line		12/6/19		12/16/19	
3. Damon Owen	Proctor		12/6/19		12/16/19	
4. Shelley Duffy	Proctor		12/6/19		12/14/19	
5. William Garm	120 LSI		12/9/19		12/14/19	
6. Larry Heath	Booth op / Test		12/9/19		12/16/19	
7. Eric Carlson	OPS Manager		1/10/19		1/2/20	
8. Ed Linzer	Proctor		12/15/19		12/16/19	
9.						
10.						
11.						
12.						
13.						
14.						
15.						

NOTES:

\* Confirmed Electronically

## Andrew Servaes

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**From:** Andrew Servaes  
**Sent:** Saturday, December 14, 2019 2:12 PM  
**To:** Jolene Vannocker; Dale Berry; Jacob Starr; Rodney Wolfe; Stuart Shafer; David Christiansen; Tyler Greenfield; Bret Davis; Greg Perry; Bradley Dunlop; Aaron Unruh; Chad Woods; Jeremiah Glover; David Bichel; Lucas Allen; Kelvin Christesen; Travis Rohlving; Michelle Meyer; Mack Gholson; Robert Plummer; Clint Garland; Vanessa Powell; Claude Baker; Matthew Hendershot; Brandon Palmer; Tim Dunlop; Dannon Onnen; Eric Carlson; Edward Linzer; Larry Hauth  
**Subject:** 2019 ILO Exam Security

**Importance:** High

Tracking:	Recipient	Read	Response
	Jolene Vannocker	Read: 12/16/2019 8:28 AM	Agree: 12/16/2019 8:28 AM
	Dale Berry	Read: 12/19/2019 5:03 AM	Agree: 12/19/2019 5:03 AM
	Jacob Starr	Read: 12/14/2019 10:59 PM	Agree: 12/14/2019 10:59 PM
	Rodney Wolfe		Agree: 1/2/2020 6:14 AM
	Stuart Shafer	Read: 12/15/2019 4:30 AM	Agree: 12/15/2019 4:32 AM
	David Christiansen	Read: 12/14/2019 6:41 PM	Agree: 12/14/2019 6:42 PM
	Tyler Greenfield	Read: 12/14/2019 6:35 PM	Agree: 12/14/2019 6:35 PM
	Bret Davis	Deleted: 12/17/2019 12:22 PM	Agree: 12/17/2019 12:21 PM
	Greg Perry	Read: 12/31/2019 9:49 PM	Agree: 12/31/2019 9:49 PM
	Bradley Dunlop	Read: 12/16/2019 8:17 AM	Agree: 12/16/2019 8:17 AM
	Aaron Unruh	Read: 12/16/2019 7:50 AM	Agree: 12/16/2019 7:50 AM
	Chad Woods	Read: 12/16/2019 6:52 AM	Agree: 12/16/2019 6:53 AM
	Jeremiah Glover	Read: 12/16/2019 6:21 AM	Agree: 12/16/2019 6:27 AM
	David Bichel	Read: 12/16/2019 8:12 AM	Agree: 12/16/2019 8:12 AM
	Lucas Allen	Read: 12/16/2019 6:46 AM	Agree: 12/16/2019 7:44 AM
	Kelvin Christesen	Read: 12/14/2019 4:10 PM	Agree: 12/14/2019 4:11 PM
	Travis Rohlving	Read: 12/15/2019 1:40 PM	Agree: 12/15/2019 1:40 PM
	Michelle Meyer		Agree: 12/16/2019 12:01 PM
	Mack Gholson		Agree: 12/31/2019 1:44 AM
	Robert Plummer	Read: 12/16/2019 9:52 AM	Agree: 12/16/2019 9:52 AM
	Clint Garland	Read: 12/16/2019 11:28 AM	Agree: 12/16/2019 11:27 AM
	Vanessa Powell	Read: 12/18/2019 8:13 AM	Agree: 12/18/2019 8:13 AM
	Claude Baker		Agree: 12/16/2019 7:08 AM
	Matthew Hendershot	Read: 12/16/2019 7:26 AM	Agree: 12/16/2019 7:24 AM
	Brandon Palmer		Text 12/17/19 10:40 AM
	Tim Dunlop	Read: 12/16/2019 7:54 AM	Agree: 12/16/2019 7:54 AM
	Dannon Onnen	Read: 12/16/2019 6:25 AM	Agree: 12/16/2019 6:25 AM
	Eric Carlson		Text 1/2/20 7:33 AM
	Edward Linzer	Read: 12/16/2019 9:24 AM	Agree: 12/16/2019 9:24 AM
	Larry Hauth	Read: 12/16/2019 7:00 AM	Agree: 12/16/2019 7:00 AM

All,

We completed the 2019 ILO Exam today. Thank you for your validation and technical assistance in development of the exam materials. To close out the Final Exam Package, we need to confirm that exam security was maintained throughout the process.

**Please use the voting button above to select "Agree" to confirm the following Statement.**

"To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) 12/6/19 to 12/14/19. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate or provide performance feedback to those applicants who were administered those licensing examinations, except as specifically noted and authorized by the NRC."

You may drop the white ILO Exam security badge in the site mail system.

Thank you,  
Andy

Facility: <b>Wolf Creek</b>			Date of Exam: <b>December 2019</b>			Operating Test No.: <b>Crew A</b>												
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 (*)		
		2			3			4			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					
<b>SRO-U1</b>	RX	0			0										0	1	1	0
	NOR	0			0										0	1	1	1
	I/C	7			7										14	4	4	2
	MAJ	2			1										3	2	2	1
	TS	2			2										4	0	2	2
<b>RO1</b>	RX		0				0								0	1	1	0
	NOR		0				0								0	1	1	1
	I/C		4				5								9	4	4	2
	MAJ		2				1								3	2	2	1
	TS		0				0								0	0	2	2
<b>RO2</b>	RX			0		0									0	1	1	0
	NOR			0		0									0	1	1	1
	I/C			4		4									8	4	4	2
	MAJ			2		1									3	2	2	1
	TS			0		0									0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U	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 I/C 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.

Facility: <b>Wolf Creek</b>		Date of Exam: <b>December 2019</b>		Operating Test No.: <b>Crew B</b>													
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(*)		
		2			3			4			5				R	I	U
		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				
<b>SRO-U2</b>	RX	0			0									0	1	1	0
	NOR	0			0									0	1	1	1
	I/C	7			7 6									14 13	4	4	2
	MAJ	2			1									3	2	2	1
	TS	2			2 1									4 3	0	2	2
<b>RO3</b>	RX		0			0								0	1	1	0
	NOR		0			0								0	1	1	1
	I/C		4			5 3								9 7	4	4	2
	MAJ		2			1								3	2	2	1
	TS		0			0								0	0	2	2
<b>RO4</b>	RX			0		0								0	1	1	0
	NOR			0		0								0	1	1	1
	I/C			4		4								8	4	4	2
	MAJ			2		1								3	2	2	1
	TS			0		0								0	0	2	2
RO <input type="checkbox"/>	RX													1	1	0	
SRO-I <input type="checkbox"/>	NOR													1	1	1	
I/C														4	4	2	
SRO-U <input type="checkbox"/>	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 I/C 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.



Facility: <b>Wolf Creek</b>			Date of Exam: <b>December 2019</b>									Operating Test No.: <b>Crew C</b>							
A P P L I C A N T	E V E N T  T Y P E	Scenarios																	
		2			3			4			5			T O T A L	M I N I M U M (*)				
		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>SRO-U3</b>	RX	0														0	1	1	0
	NOR	0														0	1	1	1
	I/C	7														7	4	4	2
	MAJ	2														2	2	2	1
	TS	2														2	0	2	2
<b>SRO-I3</b>	RX		0		0			0								0	1	1	0
	NOR		0		0			0								0	1	1	1
	I/C		4		7			7								18	4	4	2
	MAJ		2		1			1								4	2	2	1
	TS		0		2			2								4	0	2	2
<b>RO5</b>	RX			0		0				0						0	1	1	0
	NOR			0		0				0						0	1	1	1
	I/C			4		4				4						12	4	4	2
	MAJ			2		1				1						4	2	2	1
	TS			0		0				0						0	0	2	2
<b>RO6</b>	RX						0		0							0	1	1	0
	NOR						0		0							0	1	1	1
	I/C						5		5							10	4	4	2
	MAJ						1		1							2	2	2	1
	TS						0		0							0	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 I/C 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.

Facility: <b>Wolf Creek</b>			Date of Exam: <b>December 2019</b>									Operating Test No.: <b>Crew D</b>								
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 (*)			
		2			3			4			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
<b>SRO-U4</b>	RX	0														0	1	1	0	
	NOR	0														0	1	1	1	
	I/C	7														7	4	4	2	
	MAJ	2														2	2	2	1	
	TS	2														2	0	2	2	
<b>SRO-I4</b>	RX		0					0				0				0	1	1	0	
	NOR		0					0				0				0	1	1	1	
	I/C		4					7				7				18	4	4	2	
	MAJ		2					1				1				4	2	2	1	
	TS		0					2				2				4	0	2	2	
<b>RO7</b>	RX			0					0					0		0	1	1	0	
	NOR			0					0					0		0	1	1	1	
	I/C			4					5					5		14	4	4	2	
	MAJ			2					1					1		4	2	2	1	
	TS			0					0					0		0	0	2	2	
<b>RO8</b>	RX								0			0				0	1	1	0	
	NOR								0			0				0	1	1	1	
	I/C								4			5				9	4	4	2	
	MAJ								1			1				2	2	2	1	
	TS								0			0				0	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 I/C 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.

Facility: <b>Wolf Creek</b>				Date of Exam: <b>December 2019</b>				Operating Test No.: <b>Crew E</b>									
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 (*)		
		2			3			4			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				
<b>SRO-I1</b>	RX				0				0		0			<b>0</b>	1	<b>1</b>	0
	NOR				0				0		0			<b>0</b>	1	<b>1</b>	1
	I/C				7				5		7			<b>19</b>	4	<b>4</b>	2
	MAJ				1				1		1			<b>3</b>	2	<b>2</b>	1
	TS				2				0		2			<b>4</b>	0	<b>2</b>	2
<b>SRO-I2</b>	RX					0		0					0	<b>0</b>	1	<b>1</b>	0
	NOR					0		0					0	<b>0</b>	1	<b>1</b>	1
	I/C					4		7					5	<b>16</b>	4	<b>4</b>	2
	MAJ					1		1					1	<b>3</b>	2	<b>2</b>	1
	TS					0		2					0	<b>2</b>	0	<b>2</b>	2
<b>RO9</b>	RX						0			0		0		<b>0</b>	<b>1</b>	1	0
	NOR						0			0		0		<b>0</b>	<b>1</b>	1	1
	I/C						5			4		5		<b>14</b>	<b>4</b>	4	2
	MAJ						1			1		1		<b>3</b>	<b>2</b>	2	1
	TS						0			0		0		<b>0</b>	<b>0</b>	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	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 I/C 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.

Facility: Wolf Creek			Date of Exam: December 2019			Operating Test No.: Spare											
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 (Spare)			CREW POSITION			CREW POSITION			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
RO <input type="checkbox"/>	RX	0												0	1	1	0
SRO-I <input type="checkbox"/>	NOR	0												0	1	1	1
<input type="checkbox"/>	I/C	7												7	4	4	2
SRO-U <input checked="" type="checkbox"/>	MAJ	1												1	2	2	1
	TS	2												2	0	2	2
RO <input type="checkbox"/>	RX	0												0	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR	0												0	1	1	1
<input checked="" type="checkbox"/>	I/C	7												7	4	4	2
SRO-U <input type="checkbox"/>	MAJ	1												1	2	2	1
	TS	2												2	0	2	2
RO <input checked="" type="checkbox"/>	RX		0											0	1	1	0
SRO-I <input type="checkbox"/>	NOR		0											0	1	1	1
<input type="checkbox"/>	I/C		5											5	4	4	2
SRO-U <input type="checkbox"/>	MAJ		1											1	2	2	1
	TS		0											0	0	2	2
RO <input checked="" type="checkbox"/>	RX			0										0	1	1	0
SRO-I <input type="checkbox"/>	NOR			0										0	1	1	1
<input type="checkbox"/>	I/C			4										4	4	4	2
SRO-U <input type="checkbox"/>	MAJ			1										1	2	2	1
	TS			0										0	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 I/C 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.

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U1 <input checked="" type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U2 <input checked="" type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U3 <input checked="" type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U4 <input checked="" type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
	1-9	1-8			1-9	1-8			1-9				1-9				
Interpret/Diagnose Events and Conditions	1-9	1-8			1-9	1-8			1-9				1-9				
Comply with and Use Procedures (1)	1-9	1-8			1-9	1-8			1-9				1-9				
Operate Control Boards (2)	CRS	CRS			CRS	CRS			CRS				CRS				
Communicate and Interact	1-9	1-8			1-9	1-8			1-9				1-9				
Demonstrate Supervisory Ability (3)	1-9	1-8			1-9	1-8			1-9				1-9				
Comply with and Use TS (3)	1,4	2,5			1,4	2,5			1,4				1,4				
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	RO <input type="checkbox"/> <b>SRO-I1</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I2</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I3</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I4</b> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
Interpret/Diagnose Events and Conditions		1-8	1, 3-6, 9	1-8		1-3, 5-6,	1-9	1,3, 5-8	1, 3, 5-6, 8-9	1-8	1-9		1, 3, 5-6, 8-9		1-9	1-8	
Comply with and Use Procedures (1)		1-8	1, 3-6, 9	1-8		1-3, 5-6	1-9	1,3, 5-8	1, 3, 5-6, 8-9	1-8	1-9		1, 3, 5-6, 8-9		1-9	1-8	
Operate Control Boards (2)		CRS	1, 3-6, 9	CRS		1-3, 5-6	CRS	1,3 5-8	1, 3, 5-6, 8-9	CRS	CRS		1, 3, 5-6, 8-9		CRS	CRS	
Communicate and Interact		1-8	1-9	1-8		1-8	1-9	1-8	1-9	1-8	1-9		1-9		1-9	1-8	
Demonstrate Supervisory Ability (3)		1-8	ATC	1-8		ATC	1-9	BOP	ATC	1-8	1-9		ATC		1-9	1-8	
Comply with and Use TS (3)		2,5	ATC	3,4		ATC	1,3	BOP	ATC	2,5	1,3		ATC		1,3	3,4	
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)



Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	<b>RO1</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				<b>RO2</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				<b>RO3</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				<b>RO4</b> SRO-I <input type="checkbox"/> <b>X</b> SRO-U <input type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
	Interpret/Diagnose Events and Conditions 1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6,    1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6,    1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6																
Comply with and Use Procedures (1) 1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6    1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6																	
Operate Control Boards (2) 1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6    1, 3, 5-6, 8-9    1, 4-8    2-4, 6-8    1-3, 5-6																	
Communicate and Interact 1-9    1-8    1-9    1-8    1-9    1-8    1-9    1-8																	
Demonstrate Supervisory Ability (3) ATC    BOP    BOP    ATC    ATC    BOP    BOP    ATC																	
Comply with and Use TS (3) ATC    BOP    BOP    ATC    ATC    BOP    BOP    ATC																	
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:															
Competencies	APPLICANTS																
	<b>RO5</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO6</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO7</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO8</b> <b>X</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
	2-4, 6-8	1-3, 5-6,	2-3, 5, 7-9			1, 4-8	1, 3-6, 9		2-4, 6-8		1, 3-6, 9	1,3, 5-8			2-3, 5, 7-9	2-6, 8	
Comply with and Use Procedures (1)	2-4, 6-8	1-3, 5-6	2-3, 5, 7-9			1, 4-8	1, 3-6, 9		2-4, 6-8		1, 3-6, 9	1,3, 5-8			2-3, 5, 7-9	2-6, 8	
Operate Control Boards (2)	2-4, 6-8	1-3, 5-6	2-3, 5, 7-9			1, 4-8	1, 3-6, 9		2-4, 6-8		1, 3-6, 9	1,3, 5-8			2-3, 5, 7-9	2-6, 8	
Communicate and Interact	1-9	1-8	1-9			1-8	1-9		1-9		1-9	1-8			1-9	1-8	
Demonstrate Supervisory Ability (3)	BOP	ATC	BOP			BOP	ATC		BOP		ATC	BOP			BOP	ATC	
Comply with and Use TS (3)	BOP	ATC	BOP			BOP	ATC		BOP		ATC	BOP			BOP	ATC	
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																	

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: <b>Wolf Creek</b>		Date of Examination: <b>December 2019</b> Operating Test No.:																		
Competencies	APPLICANTS																			
	<b>RO9</b> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>X</b> <input type="checkbox"/> <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO							
	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5				
Interpret/Diagnose Events and Conditions		1, 4-8	2-3, 5, 7-9	2-6, 8																
Comply with and Use Procedures (1)		1, 4-8	2-3, 5, 7-9	2-6, 8																
Operate Control Boards (2)		1, 4-8	2-3, 5, 7-9	2-6, 8																
Communicate and Interact		1-8	1-9	1-8																
Demonstrate Supervisory Ability (3)		BOP	BOP	ATC																
Comply with and Use TS (3)		BOP	BOP	ATC																
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																				

## EXAM ASSIGNMENT TICKLER

12/6/19  
12/15

Chief:	T. FURINA E. Larson	Facility:	WC	Date of Written Exam:	12/17/2019
U/I:	N/A	Start of Op Test:	12/9/2019	End of Op Test:	12/14/2019
Written Exam Developed By: NRC / Facility		Operating Test Developed By: NRC / Facility			
Due Date	Description	Date Complete	Initials	Notes	
4/8/2019	Examination administration date confirmed	1/15/19	BTZ	For NRC prepared exams, arrangements made for the facility to submit reference materials	
5/13/2019	NRC examiners and facility contact assigned	1/15/19	BTZ		
5/13/2019	Facility contact briefed on security and other requirements	5/2/19	BTZ		
5/13/2019	Reference material due for NRC prepared exams	N/A	BTZ	ES-201 Att-3	
5/13/2019	Corporate Notification Letter sent	5/14/19	BTZ	ES-201 Att-4 produced by CE	
5/28/2019	NRC developed written examination outline sent to facility contact	6/4/19	BTZ	ES-401-1/2 and ES-401-3	
7/26/2019	Operating test outline(s) and other checklists due	7/26/19	TJF	ES-201-2, 201-3, 301-1, 301-2, 301-5, D-1	
8/9/2019	Operating test outline(s) reviewed by NRC and feedback provided to facility licensee	8/12/19	TJF	ES-201-2 signed by CE & BC	
9/25/2019	Proposed exams, outlines, supporting documentation, and reference materials due.	9/27/19	TJF	Exams prepared by the NRC are approved by BC and forwarded for facility licensee review	
10/2/2019	Peer review of written exam complete	10/2/19	TJF	Document review on ES-401-9	
10/21/2019	Written exam and operating test reviews completed	10/15/19	10/21/19 TJF	Document review on ES-401-9	
11/4/2019	Feedback approved by Branch Chief	10/16/19	10/22/19 TJF		
11/4/2019	Examination review results discussed between NRC and facility licensee (Op Test comments by 10/25)	10/17/19	10/22/19 TJF		
11/11/2019	Preliminary license applications & waiver/excusal requests due	11/11/19	TJF	NRC Forms 398/396	
11/4/2019	On-site validation & 10% audit of license applications	11/11/19	TJF		
11/18/2019	Preliminary license applications and waivers reviewed	11/15/19	TJF		
11/25/2019	Final license applications & waiver/excusal requests due	11/15/19	TJF	ES-201-4 prepared by LA	
12/2/2019	Written exams and operating tests approved by Branch Chief	11/22/19	TC		
12/2/2019	Request facility licensee management feedback on the exam	11/21/19	-		
12/2/2019	Final applications reviewed and audited; exam approval and waiver/excusal letters sent	11/22/19	TF	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
12/2/2019	Proctoring/written exam administration guidelines reviewed with facility licensee	12/2/19	TF		
12/2/2019	Approved scenarios and JPMs distributed to examiners	11/22/19	TF		
12/9/2019	Administer Operating Test	12/9/19	TF		
12/21/2019	Examiner's document op test results on ES 303's	12/20/19	TC		
1/6/2020	Post exam comments and graded exams received	12/11/19	TF	ES-403-1 to BC	
1/14/2020	Post exam written comments reviewed and incorporated and NRC grading completed	12/11/19	TF		
1/14/2020	Post exam operating test comments reviewed and ES-303-1 updated	12/11/19	TF		
1/21/2020	Chief examiner review of operating test and/or written exam grading completed	12/20/19	TF	Signed ES 303's to BC	
1/28/2020	Branch Chief review of exam results completed	1/7/20	TF		
2/4/2020	Waivers/deferrals reviewed for impact on licensing decision	N/A	N/A		
2/4/2020	License/Proposed Denial letters mailed; Facility notified of results	1/9/20	TF		
2/4/2020	RPS/IP number of examinees updated	12/6/19	TF	print Report-21	
2/25/2020	Final Denial Letters mailed (if no request for informal review)	N/A	N/A	21 days after proposed denial letters mailed.	
3/3/2020	Examination Report Issued	1/16/20	TF	produced by CE	
3/10/2020	Ref Mat'l Returned after Final Resolution of Appeals	N/A	N/A		
4/7/2020	SUNSI checklist complete and exam docs to ADAMS	1/16/20	TF	SUNSI checklist to LA	

Replaces NUREG-1021, Revision 11, Forms ES-201-1 and ES-501-1