



Tennessee Valley Authority, Sequoyah Nuclear Plant, P.O. Box 2000, Soddy Daisy, Tennessee 37384

**Confidential Information - Withhold Under 10 CFR 2.390**

November 6, 2019

10 CFR 55.5  
10 CFR 55.49

Ms. Laura Dudes  
Region II Administrator  
U.S. Nuclear Regulatory Commission  
Marquis One Tower  
245 Peachtree Center Avenue, NE., Suite 1200  
Atlanta, Georgia 30303-1257

Sequoyah Nuclear Plant, Units 1 and 2  
Renewed Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

**Subject: Reactor Operator and Senior Reactor Operator Examination Reference Material**

**Reference:** Letter from NRC to TVA, "Sequoyah Nuclear Plant - Notification of Licensed Operator Initial Examination 05000327/2020301 and 05000328/2020301," dated August 6, 2019

As requested by the referenced letter, and modified per telephone discussion with Mr. Bruno Caballero on October 1, 2019, the enclosure to this letter provides the license examination operating test reference material for the Sequoyah Nuclear Plant (SQN) Reactor Operator and Senior Reactor Operator operating test scheduled to be administered the weeks of March 2 and March 9, 2020. The operating test reference material has been approved by an authorized SQN representative.

There are no commitments contained in this submittal. In accordance with 10 CFR 55.49 and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that this letter and the enclosed documents be withheld from public disclosure in accordance with 10 CFR 2.390(a)(4) until the examinations are completed.

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TVA's principal contact regarding the license examinations is Mr. Timothy Rieger, SQN Operations Training. If you have any questions, please contact Mr. Rieger at (423) 843-4107 or Mr. Andrew McNeil, Site Licensing Manager (Acting), at (423) 843-8098.

Sincerely,

A handwritten signature in dark ink, appearing to be 'M. Rasmussen', followed by a horizontal line extending to the right.

**Matthew Rasmussen**  
Site Vice President  
Sequoyah Nuclear Plant

Enclosure:    **Reactor Operator and Senior Reactor Operator Examination Reference Material**

**Confidential Information - Withhold Under 10 CFR 2.390**

**ENCLOSURE**

**Tennessee Valley Authority  
Sequoyah Nuclear Plant (SQN)  
Units 1 and 2**

**Reactor Operator and Senior Reactor Operator Examination Reference Material**

**This enclosure contains the reference material supporting the examination as outlined in ES-201 Attachment 3:**

- **System Lesson Plans**
- **System Simplified One-Line Diagrams**
- **Alarm Response Procedures**
- **General Operating Instructions**
- **Periodic Instructions**
- **Surveillance Instructions**
- **System Operating Instructions**
- **Abnormal Operating Procedures**
- **Fleet Administrative Procedures**
- **Departmental Administrative Procedures**
- **Station Technical Specifications**
- **Fuel Handling Instructions**
- **Emergency Plan Implementing Procedures**
- **Emergency Procedures and Subprocedures**
- **Emergency Contingency Action Procedures**
- **Emergency Abnormal Procedures**
- **Offsite Dose Calculation Manual**
- **Final Safety Analysis Report**
- **Radiological Control Instructions**

**The information contained within this document is the Property of the Tennessee Valley Authority and has been determined to be sensitive. Any further distribution of its contents will be on a need to know basis only as determined by the originator of the document or the recipient.**

**S E N S I T I V E I N F O R M A T I O N**

Facility: SQN		Date of Examination: 3/2/20				Operating Test No.:2020-301										
Competencies	APPLICANTS															
	RO (ATC) X SRO-I <input type="checkbox"/> SRO-U(1) <input type="checkbox"/>				RO (BOP) X SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I X SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U X			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	2,4,5,7,8	4-8	1,6,7	2,3,7,8	1,3,6,7	2,3	3,4,7,8	5-7	1-8	2-8	1,3,4,6-8	2,3,5-8	1-8	2-8	1,3,4,6-8	2,3,5-8
Comply with and Use Procedures (1)	2,4,5,7,8	1,4-8	1,5-7	2,3,4,7,8	1,3,6,7	1-3	3-5,7,8	4-7	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8
Operate Control Boards (2)	2,4,5,7,8	1,4-8	1,5-7	2,3,4,7,8	1,3,6,7	1-3	3-5,7,8	4-7								
Communicate and Interact	2,4,5,7,8	1,4-8	1,5-7	2,3,4,7,8	1,3,6,7	1-3	3-5,7,8	4-7	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8
Demonstrate Supervisory Ability (3)									1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8
Comply with and Use TS (3)									2,4	2,5	2,3	1,2	2,4	2,5	2,3	1,2
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: SQN		Date of Examination: 3/2/20				Operating Test No.:2020-301										
Competencies	APPLICANTS															
	RO (ATC) X SRO-I <input type="checkbox"/> SRO-U(1) <input type="checkbox"/>				RO (BOP) X SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I X SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U X			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	5	6			5	6			5	6			5	6		
Interpret/Diagnose Events and Conditions	2,4,6,7	5,6,7,9			1,3,5,7,8	3,6,8			1-8	3-9			1-8	3-9		
Comply with and Use Procedures (1)	2,4,6,7	2,5,6,7,9			1,3,5-8	1,3,6,8			1-8	1-9			1-8	1-9		
Operate Control Boards (2)	2,4,6,7	2,5,6,7,9			1,3,5-8	1,3,6,8										
Communicate and Interact	2,4,6,7	2,5,6,7,9			1,3,5-8	1,3,6,8			1-8	1-9			1-8	1-9		
Demonstrate Supervisory Ability (3)									1-8	1-9			1-8	1-9		
Comply with and Use TS (3)									2,3	4,5			2,3	4,5		
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: Sequoyah Nuclear Plant			Date of Exam: 3/2/2020			Operating Test No.: 2020-301											
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			1			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
RO <input type="checkbox"/>	RX	0						0						0	1	1	0
SRO-I <input type="checkbox"/>	NOR	1						4						2	1	1	1
SROU(1) <input type="checkbox"/>	I/C	2-5, 7,8						2,3, 5,6,8						2	4	4	2
<input checked="" type="checkbox"/>	MAJ	6						7						2	2	2	1
	TS	2,4,5						1,2						5	0	2	2
RO <input type="checkbox"/>	RX	0										0		0	1	1	0
SRO-I <input type="checkbox"/>	NOR	1										0		1	1	1	1
SROU(2) <input type="checkbox"/>	I/C	2-5, 7,8										1-6, 8		13	4	4	2
<input checked="" type="checkbox"/>	MAJ	6										7		2	2	2	1
	TS	2,4,5										2,3		5	0	2	2
RO <input type="checkbox"/>	RX	0										0		5	1	1	0
SRO-I <input type="checkbox"/>	NOR	1										0		1	1	1	1
SROU(3) <input type="checkbox"/>	I/C	2-5, 7,8										1-6, 8		13	4	4	2
<input checked="" type="checkbox"/>	MAJ	6										7		2	2	2	1
	TS	2,4,5										2,3		5	0	2	2
RO <input type="checkbox"/>	RX				0			0						0	1	1	0
SRO-I <input type="checkbox"/>	NOR				0			4						1	1	1	1
SROU(4) <input type="checkbox"/>	I/C				1-6, 8			2,3, 5,6,8						12	4	4	2
<input checked="" type="checkbox"/>	MAJ				7			7						2	2	2	1
	TS				2,4			1,2						4	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: Sequoyah Nuclear Plant			Date of Exam: 3/2/2020			Operating Test No.: 2020-301												
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			1			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	
RO <input type="checkbox"/>	RX		1		0										1	1	1	0
SRO-I(1) <input type="checkbox"/>	NOR		0		0										0	1	1	1
<input checked="" type="checkbox"/> SRO-U	I/C		4,5, 7,8		1-6, 8								1-6, 8		18	4	4	2
<input type="checkbox"/>	MAJ		6		7								7		3	2	2	1
	TS				2,4								2,3		4	0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	I/C															4	4	2
	MAJ															2	2	1
	TS															0	2	2
RO <input type="checkbox"/>	RX		1						0						1	1	1	0
SRO-I(3) <input type="checkbox"/>	NOR		0						4						1	1	1	1
<input checked="" type="checkbox"/> SRO-U	I/C		4,5, 7,8						2,3, 5,6,8						9	4	4	2
<input type="checkbox"/>	MAJ		6						7						2	2	2	1
	TS								1,2						2	0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	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.
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Facility: Sequoyah Nuclear Plant			Date of Exam: 3/2/2020			Operating Test No.: 2020-301												
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			1						3							
		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		1		0										1	1	1	0
SRO-I(2) <input type="checkbox"/>	NOR		0		0										1	1	1	1
<input checked="" type="checkbox"/> SRO-U	I/C		4,5, 7,8		1-6, 8								1, 3, 4,6, 8		16	4	4	2
<input type="checkbox"/>	MAJ		6		7								7		3	2	2	1
	TS				2,4								2,3		4	0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	I/C															4	4	2
	MAJ															2	2	1
	TS															0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	I/C															4	4	2
	MAJ															2	2	1
	TS															0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	I/C															4	4	2
	MAJ															2	2	1
	TS															0	2	2

Instructions:

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Facility: Sequoyah Nuclear Plant				Date of Exam: 3/2/2020				Operating Test No.: 2020-301									
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			1			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
RO(1)	RX			0			0					0		0	1	1	0
<input checked="" type="checkbox"/>	NOR			1			0					0		1	1	1	1
SRO-I	I/C			2,3			1,3,6					2,4,6		8	4	4	2
<input type="checkbox"/>	MAJ			6			7					7		3	2	2	1
SRO-U	TS														0	2	2
RO(2)	RX			0						0		0		0	1	1	0
<input checked="" type="checkbox"/>	NOR			1						4		0		2	1	1	1
SRO-I	I/C			2,3						5,6		2,4,6		7	4	4	2
<input type="checkbox"/>	MAJ			6						7		7		3	2	2	1
SRO-U	TS														0	2	2
RO(3)	RX			0						0		0		0	1	1	0
<input checked="" type="checkbox"/>	NOR			1						4		0		2	1	1	1
SRO-I	I/C			2,3						5,6		2,4,6		7	4	4	2
<input type="checkbox"/>	MAJ			6						7		7		3	2	2	1
SRO-U	TS														0	2	2
RO(4)	RX					0				0				0	1	1	0
<input checked="" type="checkbox"/>	NOR					0				4				2	1	1	1
SRO-I	I/C					2,4,5,8				5,6					4	4	2
<input type="checkbox"/>	MAJ					7				7					2	2	1
SRO-U	TS														0	2	2

Instructions:

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Facility: Sequoyah Nuclear Plant			Date of Exam: 3/2/2020			Operating Test No.: 2020-301											
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			1			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				
RO(5) <input checked="" type="checkbox"/>	RX						0		4						1	1	0
	NOR						0		0						1	1	1
SRO-I <input type="checkbox"/>	I/C						1,3, 6		2,3, 8						4	4	2
SRO-U <input type="checkbox"/>	MAJ						7		7						2	2	1
	TS														0	2	2
RO(6) <input checked="" type="checkbox"/>	RX					0							0		1	1	0
	NOR					0							6		1	1	1
SRO-I <input type="checkbox"/>	I/C					2,4, 5,8							1,3, 5,8		4	4	2
SRO-U <input type="checkbox"/>	MAJ					7							7		2	2	1
	TS														0	2	2
RO(9) <input checked="" type="checkbox"/>	RX								4				0		1	1	0
	NOR								0				6		1	1	1
SRO-I <input type="checkbox"/>	I/C								2,3, 8				1,3, 5,8		4	4	2
SRO-U <input type="checkbox"/>	MAJ								7				7		2	2	1
	TS														0	2	2
RO(10) <input checked="" type="checkbox"/>	RX								4				0		1	1	0
	NOR								0				6		1	1	1
SRO-I <input type="checkbox"/>	I/C								2,3, 8				1,3, 5,8		4	4	2
SRO-U <input type="checkbox"/>	MAJ								7				7		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 I/C malfunctions on a one-for-one basis.
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- 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: Sequoyah Nuclear Plant			Date of Exam: 3/2/2020			Operating Test No.: 2020-301												
A P P L I C A N T	E V E N T  T Y P E	Scenarios																
		1			4			5			3			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					
RO(7) <input checked="" type="checkbox"/>	RX		0											0	0	1	1	0
<input checked="" type="checkbox"/>	NOR		0											5	1	1	1	1
SRO-I <input type="checkbox"/>	I/C		2,4, 5,8											3,4, 8	7	4	4	2
SRO-U <input type="checkbox"/>	MAJ		7											7	2	2	2	1
	TS															0	2	2
RO(8) <input checked="" type="checkbox"/>	RX			0										5	1	1	1	0
<input checked="" type="checkbox"/>	NOR			0										0	0	1	1	1
SRO-I <input type="checkbox"/>	I/C			1,3, 6										1,6	5	4	4	2
SRO-U <input type="checkbox"/>	MAJ			7										7	2	2	2	1
	TS															0	2	2
RO <input type="checkbox"/>																1	1	0
SRO-I <input type="checkbox"/>																1	1	1
SRO-U <input type="checkbox"/>																4	4	2
																2	2	1
																0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	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: <u>SN</u>		Date of Exam: <u>3-2-20</u>		Scenario Numbers: <u>12 / 34 / 56</u>		Operating Test No.: <u>2020-301</u>	
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.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
2. The scenarios consist mostly of related events.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
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>				<u>CO</u>	<u>TD</u>	<u>BD</u>	
4. The events are valid with regard to physics and thermodynamics.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
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.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
7. The simulator modeling is not altered.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
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.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).				<u>CO</u>	<u>TD</u>	<u>BD</u>	
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.)				<u>CO</u>	<u>TD</u>	<u>BD</u>	
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).				<u>CO</u>	<u>TD</u>	<u>BD</u>	
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.				<u>CO</u>	<u>TD</u>	<u>BD</u>	
14. The level of difficulty is appropriate to support licensing decisions for each crew position.							
Target Quantitative Attributes per Scenario (See Section D.5.d)				Actual Attributes			
1. Malfunctions after EOP entry (1-2)				<u>12 / 11 / 13</u>	<u>CO</u>	<u>TD</u>	<u>BD</u>
2. Abnormal events (2-4)				<u>64 / 54 / 62</u>	<u>CO</u>	<u>TD</u>	<u>BD</u>
3. Major transients (1-2)				<u>11 / 11 / 11</u>	<u>CO</u>	<u>TD</u>	<u>BD</u>
4. EOPs entered/requiring substantive actions (1-2)				<u>11 / 11 / 00</u>	<u>CO</u>	<u>TD</u>	<u>BD</u>
5. Entry into a contingency EOP with substantive actions ( $\geq 1$ per scenario set)				<u>01 / 00 / 12</u>	<u>CO</u>	<u>TD</u>	<u>BD</u>
6. Preidentified critical tasks ( $\geq 2$ )				<u>33 / 34 / 23</u>	<u>CO</u>	<u>TD</u>	<u>BD</u>
* The facility licensee signature is not applicable for NRC-developed tests.							
# An independent NRC reviewer initials items in column "c"; chief examiner concurrence is required.							

Facility: <u>SON</u>		Date of Exam: <u>3-2-20</u>		Scenario Numbers: <u>12 / 34 / 56</u>		Operating Test No.: <u>2020-301</u>	
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.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
2.	The scenarios consist mostly of related events.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
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>	<u>CO</u>	<u>TD</u>	<u>BK</u>			
4.	The events are valid with regard to physics and thermodynamics.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
5.	Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
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.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
7.	The simulator modeling is not altered.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
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.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
9.	Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
10.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	<u>CO</u>	<u>TD</u>	<u>BK</u>			
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.)	<u>CO</u>	<u>TD</u>	<u>BK</u>			
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).	<u>CO</u>	<u>TD</u>	<u>BK</u>			
13.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	<u>CO</u>	<u>TD</u>	<u>BK</u>			
14.	The level of difficulty is appropriate to support licensing decisions for each crew position.						
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes		--	--	--	
1.	Malfunctions after EOP entry (1-2)	<u>12 / 11 / 3</u>		<u>CO</u>	<u>TD</u>	<u>BK</u>	
2.	Abnormal events (2-4)	<u>64 / 54 / 62</u>		<u>CO</u>	<u>TD</u>	<u>BK</u>	
3.	Major transients (1-2)	<u>11 / 11 / 1</u>		<u>CO</u>	<u>TD</u>	<u>BK</u>	
4.	EOPs entered/requiring substantive actions (1-2)	<u>11 / 11 / 00</u>		<u>CO</u>	<u>TD</u>	<u>BK</u>	
5.	Entry into a contingency EOP with substantive actions ( $\geq 1$ per scenario set)	<u>01 / 00 / 12</u>		<u>CO</u>	<u>TD</u>	<u>BK</u>	
6.	Preidentified critical tasks ( $\geq 2$ )	<u>33 / 34 / 23</u>		<u>CO</u>	<u>TD</u>	<u>BK</u>	
<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: <u>SN (Sequoyah)</u>		Date of Examination: <u>3-2-20</u>		Operating Test Number: <u>2020-301</u>	
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).	<u>CO</u>	<u>TD</u>	<u>BN</u>	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<u>CO</u>	<u>TD</u>	<u>BN</u>	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	<u>CO</u>	<u>TD</u>	<u>BN</u>	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	<u>CO</u>	<u>TD</u>	<u>BN</u>	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<u>CO</u>	<u>TD</u>	<u>BN</u>	
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>	<u>CO</u>	<u>TD</u>	<u>BN</u>	
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.	<u>CO</u>	<u>TD</u>	<u>BN</u>	
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.		<u>CO</u>	<u>TD</u>	<u>BN</u>	
Printed Name/Signature		Date			
a.	Author <u>Aaron Forsyth</u>	<u>2-19-20</u>			
b.	Facility Reviewer (*) <u>TERRY DUNNY</u>	<u>2/19/20</u>			
c.	NRC Chief Examiner (#) <u>BRUNO CABALLERO / B. Caballero</u>	<u>2-25-2020</u>			
d.	NRC Supervisor <u>Gerald J. McCoy</u>	<u>2/25/2020</u>			
* The facility licensee signature is not applicable for NRC-developed tests.					
# The independent NRC reviewer initials items in column "c"; the chief examiner concurrence is required.					



Examination Security Agreement

ES-201

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 3/2/20 - 3/20/20 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) of 3/2/20 - 3/20/20 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. Aaron Forsh	EXAM LEAD	<i>[Signature]</i>	2/19/19	<i>[Signature]</i>	3/26/20	
2. Max Hume	EXAM WRITER	<i>[Signature]</i>	2/19/19	<i>[Signature]</i>	3/30/20	
3. James Knight	Simulator Engineer	<i>[Signature]</i>	2/20/19	<i>[Signature]</i>	3/30/20	
4. Chelsea Merriam	Simulator Engineer	<i>[Signature]</i>	2/20/19	<i>[Signature]</i>	4/7/20	
5. William Busby	Simulator Engineer	<i>[Signature]</i>	2/20/19	<i>[Signature]</i>	4/2/20	
6. Jim Ketch	S.M. MGR	<i>[Signature]</i>	2/21/19	<i>[Signature]</i>	3/30/20	
7. Russell Jordan	Coord Exam PM	<i>[Signature]</i>	4/1/19	<i>[Signature]</i>	3/30/20	
8. Terry Dunmy	FACILITY REP	<i>[Signature]</i>	5/20/19	<i>[Signature]</i>	4/3/20	
9. Vinnie Passalacqua	EXAM SUPERVISOR	<i>[Signature]</i>	8/6/19	<i>[Signature]</i>	2/30/20	
10. David Metc	Unit SRO	<i>[Signature]</i>	9/10/19	<i>[Signature]</i>	3/30/20	
11. Travis Holcomb	Reactor Operator	<i>[Signature]</i>	11/1/19	<i>[Signature]</i>	4/8/20	
12. H. Kyle Carlton	Reactor Operator	<i>[Signature]</i>	11/14/19	<i>[Signature]</i>	4/6/20	
13. Bryan Klen	SRO	<i>[Signature]</i>	11/14/19	<i>[Signature]</i>	3/30/20	
14. Jeremy R. Lansing	Reactor Operator	<i>[Signature]</i>	11/18/19	<i>[Signature]</i>	4/3/20	
15. Joe Hennessey	REACTOR OPERATOR	<i>[Signature]</i>	11/18/19	<i>[Signature]</i>	4/3/20	

NOTES: #1. Received positive confirmation exam security was not violated via email.

ES-201 Examination Security Agreement Form ES-201-3

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 3/23 - 3/27/20 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) of 3/23/20 - 3/27/20. 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. <u>TEO Douth</u>	<u>SRO</u>	<u>[Signature]</u>	<u>4/1/19</u>	<u>[Signature]</u>	<u>4/1/20</u>	<u>1</u>
2. <u>Jimmy Thomas</u>	<u>RO</u>	<u>[Signature]</u>	<u>11/19/19</u>	<u>[Signature]</u>	<u>4/12/20</u>	<u>1</u>
3. <u>Jimmy Thomas</u>	<u>RO</u>	<u>[Signature]</u>	<u>11/19/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>
4. <u>Zachary Patterson</u>	<u>SRO</u>	<u>[Signature]</u>	<u>11/19/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>
5. <u>CA Archibald</u>	<u>SRO</u>	<u>[Signature]</u>	<u>11/20/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>
6. <u>Stacy L. Haver</u>	<u>RO</u>	<u>[Signature]</u>	<u>11/20/19</u>	<u>[Signature]</u>	<u>4/2/20</u>	<u>1</u>
7. <u>Timothy M. Wood</u>	<u>SRO</u>	<u>[Signature]</u>	<u>11/20/19</u>	<u>[Signature]</u>	<u>3/31/20</u>	<u>1</u>
8. <u>RAIDLE NEWSON</u>	<u>RECORDS-REP</u>	<u>[Signature]</u>	<u>11/21/19</u>	<u>[Signature]</u>	<u>4/12/20</u>	<u>1</u>
9. <u>Kim Shipley</u>	<u>TRAIT BUIS REP</u>	<u>[Signature]</u>	<u>11/21/19</u>	<u>[Signature]</u>	<u>4/12/20</u>	<u>1</u>
10. <u>Dor Boyler</u>	<u>SRO</u>	<u>[Signature]</u>	<u>11/21/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>
11. <u>Brian Knitter</u>	<u>SRO</u>	<u>[Signature]</u>	<u>11/21/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>
12. <u>Christopher Blackwell</u>	<u>RO</u>	<u>[Signature]</u>	<u>11/22/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>
13. <u>ROBERT CAMPBELL</u>	<u>RO</u>	<u>[Signature]</u>	<u>11/22/19</u>	<u>[Signature]</u>	<u>4/4/20</u>	<u>1</u>
14. <u>JOHN M. ALEXANDER</u>	<u>RO</u>	<u>[Signature]</u>	<u>11/22/19</u>	<u>[Signature]</u>	<u>4/6/20</u>	<u>1</u>
15. <u>THOMAS E. KLEER</u>	<u>RO</u>	<u>[Signature]</u>	<u>12/2/19</u>	<u>[Signature]</u>	<u>3/30/20</u>	<u>1</u>

NOTES: See Page 1 of 3



ES-201

Examination Security Agreement

Form ES-201-3

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 3/1/20 - 3/20/20 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) of 3/2/20 - 3/20/20. 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. Kevin M. Michael	CPS Supt.	<i>Kevin M. Michael</i>	3/2/20	<i>Kevin M. Michael</i>	3/30/20	1
2. Andrew J. Ford	VO	<i>Andrew J. Ford</i>	1/27/20	<i>Andrew J. Ford</i>	3/30/20	1
3. Gabriel Johnson	VO	<i>Gabe Johnson</i>	1-27-20	<i>Gabe Johnson</i>	3/30/20	1
4. Donald Langford	SRO	<i>Donald Langford</i>	1-28-20	<i>Donald Langford</i>	4/6/20	1
5. Jeffery Blum	SRO	<i>Jeffery Blum</i>	1-31-20	<i>Jeffery Blum</i>	3/30/20	1
6. Jan Radner	SRO	<i>Jan Radner</i>	2/5/20	<i>Jan Radner</i>	3/30/20	1
7. Scott Seal	SM	<i>Scott Seal</i>	2/6/20	<i>Scott Seal</i>	2/30/20	1
8. Steve Ussery	SM	<i>Steve Ussery</i>	2/7/20	<i>Steve Ussery</i>	3/30/20	1
9. Jake Oliver	SM	<i>Jake Oliver</i>	2/8/20	<i>Jake Oliver</i>	4/1/20	1
10. Rusty Whitehead	SM	<i>Rusty Whitehead</i>	2/27/20	<i>Rusty Whitehead</i>	3/30/20	1
11. William D. Lin	INSTRUC-TOR	<i>William D. Lin</i>	2-2-20	<i>William D. Lin</i>	3/31/20	1
12. ALBERT RODDY	INSTRUC-TOR	<i>Albert Roddy</i>	3/2/20	<i>Albert Roddy</i>	3/30/20	1
13.						
14.						
15.						

NOTES: SEE PAGE 1 of 3

Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	c**
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	CD	TOP	BH
	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.	CD	TOP	BH
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	CD	TOP	BH
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	CD	TOP	BH
2. S I M U L A T O R	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.	CD	TOP	BH
	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.	CD	TOP	BH
	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).	CD	TOP	BH
3. W A L K T H R O U G H	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.	CD	TOP	BH
	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.	CD	TOP	BH
	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.	CD	TOP	BH
4. G E N E R A L	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	CD	TOP	BH
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	CD	TOP	BH
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	CD	TOP	BH
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	CD	TOP	BH
	e. Check the entire exam for balance of coverage.	CD	TOP	BH
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	CD	TOP	BH
a. Author <u>Aaron Polsha</u> b. Facility Reviewer (*) <u>TERRY DUNNY</u> c. NRC's Chief Examiner (#) <u>BRUNO CABALLERO</u> d. NRC Supervisor <u>Gerald J. McCoy</u>		Date <u>2-20-20</u> <u>2/20/20</u> <u>2-25-2020</u> <u>2/25/2020</u>		

\* Not applicable for NRC-prepared examination outlines.  
 # The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.



Target Date*	Task Description (Reference)	Chief Examiner's Initials
Facility: <u>Sequoyah</u> Date of Examination: <u>OP: 3/2-3/12/2020</u> <u>WR: 3/18/2020</u>		
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
-240	1. Examination administration date confirmed (C.1.a; C.2.a-b). For NRC-prepared exams, arrangements are made for the facility to submit reference materials (C.1.e; C.3.c; Attachment 3). <u>8/1/19</u>	<u>BKL</u>
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f). <u>8/1/19</u>	<u>BKL</u>
-210	3. Facility contact briefed on security and other requirements (C.2.c). As applicable, the facility contact submits to the NRC any prescreened K/As for elimination from the written examination outline, with a description of the facility's prescreening process (ES-401, D.1.b). <u>2/19/19</u>	<u>BKL</u>
-210	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3). <u>N/A</u>	<u>N/A</u>
-210	5. Corporate notification letter sent (C.2.e). <u>8/6/19</u>	<u>BKL</u>
-195	6. NRC-developed written examination outline (ES-401-1/2 or ES-401N-1/2 and ES-401-3 or ES-401N-3) sent to facility contact (must be on the exam security agreement) (C.1.e-f; C.2.h; C.3.d-e). <u>2/28/19</u>	<u>BKL</u>
-150	7. Operating test outline(s) and other checklists due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, and ES-D-1, as applicable (C.1.e-f; C.3.d-e). <u>9/20/19</u>	<u>BKL</u>
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d-e). <u>9/24/19</u>	<u>BKL</u>
-75	9. Proposed examinations (written, JPMs, and scenarios, as applicable) and outlines (Forms ES-301-1, ES-301-2, ES-D-1, ES-401-1/2 or ES-401N-1/2, and ES-401-3 or ES-401N-3); supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, ES-401-6, ES-401N-6, and any Form ES-201-2 and ES-201-3 updates); and reference materials due (C.1.e-h; C.3.d). <u>12/4/19</u>	<u>BKL</u>
-75	10. Examinations prepared by the NRC are approved by the NRC supervisor and forwarded for facility licensee review (C.1.i; C.2.h; C.3.f-g). <u>N/A</u>	<u>N/A</u>
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202). <u>1/6/2020</u>	<u>BKL</u>
-50	12. Written exam and operating test reviews completed (C.3.f). <u>OP: 12/18/2019</u> <u>WR: 12/16/19</u>	<u>BKL</u>
-35	13. Examination review results discussed between the NRC and facility licensee (C.1.i; C.1.k-l; C.2.h; C.3.g). The NRC and the facility licensee conduct exam preparatory week. <u>1/27/2020</u>	<u>BKL</u>
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202). <u>1/31/2020</u>	<u>BKL</u>
-14	15. Final license applications and waiver/excusal requests, as applicable (NRC Form 398), due and Form ES-201-4 prepared (C.1.m; C.2.k; ES-202). <u>2/17/2020</u>	<u>BKL</u>
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j-k; C.3.h). <u>BKL</u>	<u>BKL</u>
-7	17. Request facility licensee management feedback on the examination (C.2.l). <u>BKL</u>	<u>BKL</u>
-7	18. Final applications reviewed; one or two (if more than 10) applications audited to confirm qualifications/eligibility; and examination approval and waiver/excusal letters sent (C.2.k; Attachment 5; ES-202, C.3.j; ES-204). <u>BKL</u>	<u>BKL</u>
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k). <u>3/7/2020</u>	<u>BKL</u>
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i). <u>BKL</u>	<u>BKL</u>

\* Target dates are based on facility-prepared examinations and the examination date identified in the corporate notification letter. These dates are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.