

Facility: Grand Gulf Nuclear Station		Date of Examination: 10/18/2021		
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.	SR	/	KC
	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.	SR	/	KC
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	SR	/	KC
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	SR	/	KC
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.	SR	/	KC
	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.	SR	/	KC
	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).	SR	/	KC
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.	SR	/	KC
	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.	SR	/	KC
	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.	SR	/	KC
4. GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	SR	/	KC
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	SR	/	KC
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	SR	/	KC
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	SR	/	KC
	e. Check the entire exam for balance of coverage.	SR	/	KC
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	SR	/	KC
a. Author <u>Steve Reeves / Steve Reeves</u> b. Facility Reviewer (*) <u>Tatiana / Tatiana</u> c. NRC Chief Examiner (#) <u>Kelly Clayton / Kelly Clayton</u> d. NRC Supervisor <u>Heather Gepford / hgg</u>		Printed Name/Signature Date <u>5-6-2021</u> <u>5.28/2021</u> <u>6/10/2021</u>		

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

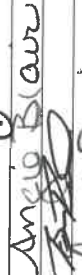


Grand Gulf Nuclear Station, 10/2021 ILT

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 October 18, 2021 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 October 18, 2021. 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. Steve Reeves	Lead Exam Developer		11-4-2020		10-28-21	
2. Patrick Ellis	Exam Supervisor		1-17-21		10-28-21	
3. Mickey Ellis	Developer		1-20-21		10-27-21	
4. Marty McAdams	Instructor		2-2-21		10-28-21	
5. Aime Griffin	Sim Specialist		2-2-21		10-26-21	
6. Patrick Blugau	Ops Representative		2-15-21		10-27-21	2
7. Kenneth Schauf	Exam Developer		2-22-21		10-27-21	2
8. Richard Murray	CORP, EXAM SPECIALIST		3-9-21		10-27-21	3
9. Gabe Kimich	RBS, EXAM LEAD		3-10-21		10-27-21	2
10. Gary Gardner	RBS, EXAM WRITER		3-19-21		10-27-21	2
11. Angie Blair	Instructor		5-27-21		10-27-21	2
12. Bradley Reid	OPS RO		6-11-21		10-27-21	2
13. Ben White	OPS RO		6-18-21		10-27-21	2
14. Jay Combs	OPS SRO		6-18-21		10-27-21	2
15. Larry Baffi	OPS SRO		6-11-21		10-27-21	2

NOTES: ① - For Signature see attached copy of Security Agreement
 ② - Notified via email
 ③ - No Longer with Entergy Company, Notified via Text message

























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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
16. David Bellus	OPS SRO		6-1-21		10/26/21	
17. William Weeks	OPS / RO		6/2/21		10/27/21	2
18. Denny Davis	OPS / RO		6/2/21		10/27/21	2
19. Chase Miller	OPS / RO		6/2/21		10/27/21	2
20. Logan Carr	OPS / RO		6/2/21		10/27/21	2
21. Michael Starnes	OPS / RO		6/18/21		10-27-21	
22. Robert Smith	OPS / RO		6/18/21		10/27/21	
23. Michael Dean	OPS / RO		6-8-21		10-27-21	
24. Sean S Dixon	OPS / SRO		7-19-21		10/27/21	2
25. Milton Whigham	OPS / SRO		7/20/21		10/27/21	2
26. Leveez Hardy	OPS / SRO		9/4/21		10/27/21	2
27. Jason Overcash	OPS / SRO		10/14/21		10/27/21	2
28. Jay Smith	TRNG / SR OPS Instr.		10/18/21		10/26	
29. Byron Shegwin	OPS TRNG		10/18/21		10/26/21	
30. Guenton Surr	GIS TRNG		10/18/2021		10/26/21	

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Grand Gulf Nuclear Station, 10/2021 ILT

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
31. <u>Richard Coleman</u>	<u>OPS Inst.</u>	<u>[Signature]</u>	<u>10/18/21</u>	<u>[Signature]</u>	<u>10/21/21</u>	
32. <u>Timothy Lindsay</u>	<u>OPS Instructor (contract)</u>	<u>[Signature]</u>	<u>10-18-21</u>	<u>[Signature]</u>	<u>10-27-21</u>	
33. <u>Kimberly Embrey</u>	<u>Ops Inst</u>	<u>[Signature]</u>	<u>10/18/21</u>	<u>[Signature]</u>	<u>10/24/21</u>	
34. <u>Lelani Taylor Clark</u>	<u>Chm. Instructor</u>	<u>[Signature]</u>	<u>10/18/21</u>	<u>[Signature]</u>	<u>10/21/21</u>	
35. <u>Jan Heidecke</u>	<u>OPS Instructor</u>	<u>[Signature]</u>	<u>10/18/21</u>	<u>[Signature]</u>	<u>10/21/21</u>	
36. _____	_____	_____	_____	_____	_____	_____
37. _____	_____	_____	_____	_____	_____	_____
38. _____	_____	_____	_____	_____	_____	_____
39. _____	_____	_____	_____	_____	_____	_____
40. _____	_____	_____	_____	_____	_____	_____
41. _____	_____	_____	_____	_____	_____	_____
42. _____	_____	_____	_____	_____	_____	_____
43. _____	_____	_____	_____	_____	_____	_____
44. _____	_____	_____	_____	_____	_____	_____
45. _____	_____	_____	_____	_____	_____	_____

NOTES:

Grand Gulf Nuclear Station, 10/2021 ILT

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Steve Leaves</u>	<u>Lead Exam Developer</u>	<u>[Signature]</u>	<u>11-4-2020</u>			
2. <u>Ta Thompson</u>	<u>Exam Supervisor</u>	<u>[Signature]</u>	<u>1-18-21</u>			
3. <u>Mickey Ellis</u>	<u>Developer</u>	<u>[Signature]</u>	<u>1/26/21</u>			
4. <u>Mandy McArthur</u>	<u>Instructor</u>	<u>[Signature]</u>	<u>3-2-21</u>			
5. <u>Aimee Grier</u>	<u>Sim Specialist</u>	<u>[Signature]</u>	<u>2/9/21</u>			
6. <u>Patrick Blum</u>	<u>Ops Representative</u>	<u>[Signature]</u>	<u>2/11/21</u>			
7. <u>Kenneth Schaefer</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>2/24/21</u>			
8. <u>Richard Murray</u>	<u>CORP. EXAM SPECIALIST</u>	<u>[Signature]</u>	<u>3/9/21</u>			
9. <u>Gracie Kimich</u>	<u>RBS EXAM LEAD</u>	<u>[Signature]</u>	<u>3/9/21</u>			
10. <u>Larry Goodwin</u>	<u>RBS EXAM LEAD</u>	<u>[Signature]</u>	<u>3/9/21</u>			
11.						
12.						
13.						
14.						
15.						

NOTES: ① - For Signature see attached copy of Security Agreement

Facility: GGNS		Date of Exam: 10/18/2021		Scenario Numbers: 1 / 2 / 3 / 4		Operating Test No.: GGNS 10-2021	
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.			SR	/	KC		
2. The scenarios consist mostly of related events.			SR	/	KC		
3. Each event description consists of the following: <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) or conditions that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 			SR	/	KC		
4. The events are valid with regard to physics and thermodynamics.			SR	/	KC		
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			SR	/	KC		
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.			SR	/	KC		
7. The simulator modeling is not altered.			SR	/	KC		
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.			SR	/	KC		
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.			SR	/	KC		
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			SR	/	KC		
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.)			SR	/	KC		
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).			SR	/	KC		
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.			SR	/	KC		
14. The level of difficulty is appropriate to support licensing decisions for each crew position.			SR	/	KC		
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes	--	--	--		
1.	Malfunctions after EOP entry (1-2)	1 / 2 / 1 / 1	SR	/	KC		
2.	Abnormal events (2-4)	4 / 3 / 4 / 4	SR	/	KC		
3.	Major transients (1-2)	2 / 3 / 3 / 3	SR	/	KC		
4.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 3 / 3	SR	/	KC		
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set)	1 / 2 / 1 / 1	SR	/	KC		
6.	Preidentified critical tasks (≥ 2)	3 / 2 / 2 / 2	SR	/	KC		
<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: Grand Gulf Nuclear Station			Date of Exam: 10/18/2021			Operating Test No.: GGNS 10-2021												
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			2			3			4 (spare)							
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO <input checked="" type="checkbox"/>	RX													1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR			1										1	1	1	1	
<input type="checkbox"/>	I/C			4		2			2					9	4	4	2	
SRO-U <input type="checkbox"/>	MAJ			2		3			3					11	2	2	1	
	TS														0	2	2	
RO <input checked="" type="checkbox"/>	RX														1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR														1	1	1	
<input type="checkbox"/>	I/C		2			4		3						11	4	4	2	
SRO-U <input type="checkbox"/>	MAJ		2			3		3						11	2	2	1	
	TS														0	2	2	
RO <input type="checkbox"/>	RX													1	1	1	0	
SRO-I <input type="checkbox"/>	NOR	1												1	1	1	1	
<input checked="" type="checkbox"/>	I/C	5			6			5						19	4	4	2	
SRO-U <input type="checkbox"/>	MAJ	2			3			3						11	2	2	1	
	TS	2			2			3						9	0	2	2	
RO <input type="checkbox"/>	RX													1	1	1	0	
SRO-I <input type="checkbox"/>	NOR	1												1	1	1	1	
<input type="checkbox"/>	I/C	5			5			5						19	4	4	2	
SRO-U <input type="checkbox"/>	MAJ	2			3			3						11	2	2	1	
<input checked="" type="checkbox"/>	TS	2			2			3						9	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: Grand Gulf		Date of Examination: 10/18/2021				Operating Test No.:GGNS 10/2021											
Competencies	APPLICANTS																
	RO <input checked="" type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input checked="" type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	ATC 1	ATC 2	ATC 3	ATC 4	BOP 1	BOP 2	BOP 3	BOP 4	CRS 1	CRS 2	CRS 3	CRS 4	CRS 1	CRS 2	CRS 3	CRS 4	
Interpret/Diagnose Events and Conditions	2, 3, 4, 5, 6	3, 5, 6, 7, 9	1, 4, 5, 6, 7, 8		1, 2, 4, 5, 6, 7	1, 5, 6, 7, 8, 9, 10	2, 3, 4, 5, 6, 7		ALL	ALL	ALL		ALL	ALL	ALL		
Comply with and Use Procedures (1)	1, 2, 3, 4, 5, 6	3, 5, 6, 7, 9	1, 4, 5, 6, 7, 8		1, 2, 4, 5, 6, 7	1, 5, 6, 7, 8, 9, 10	2, 3, 4, 5, 6, 7		ALL	ALL	ALL		ALL	ALL	ALL		
Operate Control Boards (2)	1, 2, 3, 5, 6	3, 5, 6, 7, 9	1, 4, 5, 6, 7, 8		1, 2, 4, 5, 6, 7	1, 5, 6, 7, 8, 9, 10	2, 3, 4, 5, 6, 7		ALL	ALL	ALL		ALL	ALL	ALL		
Communicate and Interact	1, 2, 3, 4, 5, 6	3, 5, 6, 7, 9	1, 4, 5, 6, 7, 8		1, 2, 4, 5, 6, 7	1, 5, 6, 7, 8, 9, 10	2, 3, 4, 5, 6, 7		ALL	ALL	ALL		ALL	ALL	ALL		
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A		N/A	N/A	N/A		ALL	ALL	ALL		ALL	ALL	ALL		
Comply with and Use TS (3)	N/A	N/A	N/A		N/A	N/A	N/A		1, 4	2, 4	1, 2, 4		1, 4	2, 4	1, 2, 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: Grand Gulf Nuclear Station		Date of Examination: 10/18/2021		Operating Test Number: GGNS 10-2021	
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).	SR	/	KC	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	SR	/	KC	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	SR	/	KC	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	SR	/	KC	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	SR	/	KC	
2. Walkthrough Criteria		--	--	--	
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee operationally important specific performance criteria that include— <ul style="list-style-type: none"> detailed expected actions with exact criteria and nomenclature system response and other examiner cues statements describing important observations to be made by the applicant criteria for successful completion of the task identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	SR	/	KC	
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.	SR	/	KC	
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.		SR	/	KC	
<div style="display: flex; justify-content: space-between;"> <div> <p>a. Author</p> <p>b. Facility Reviewer (*)</p> <p>c. NRC Chief Examiner (#)</p> <p>d. NRC Supervisor</p> </div> <div> <p>Printed Name/Signature</p> <p><u>Steve Reeves / Steve Reeves</u></p> <p><u>A. Tharp / A. Tharp</u></p> <p><u>Kelly Clayton / Kelly Clayton</u></p> <p><u>Gerond George / Gerond A. George</u></p> </div> <div> <p>Date</p> <p><u>7-26-21</u></p> <p><u>7-27-21</u></p> <p><u>9/22/2021</u></p> </div> </div>					
<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: Grand Gulf Nuclear Station		Date of Exam: 10/25/2021		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		
Item Description				Initial		
				a	b*	c*#
1. Questions and answers are technically accurate and applicable to the facility.				SR	/	KC
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)				SR	/	KC
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401						
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).				SR	/	KC
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 ___ 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).				SR	/	KC
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
				30 / 40%	1 / 1%	44 / 59%
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	
				34 / 45%	41 / 55%	
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				SR	/	KC
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.				SR	/	KC
10. Question psychometric quality and format meet the guidelines in Appendix B.				SR	/	KC
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.				SR	/	KC
Printed Name/Signature				Date		
a. Author	Steve Reeves / Steve Reeves			9/21/21		
b. Facility Reviewer (*)	TA Thompson / [Signature]			9.21.21		
c. NRC Chief Examiner (#)	Kelly Clayton / Kelly Clayton			9/22/2021		
d. NRC Regional Supervisor	Gerond George / Gerond A. George			Digitally signed by Gerond A. George Date: 2021.10.27 10:11:52 -05'00'		
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: Grand Gulf Nuclear Station		Date of Exam: 10/25/2021		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description				Initial		
				a	b*	c*#
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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)				SR	/	KC
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401				SR	/	KC
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).				SR	/	KC
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 ___ 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).				SR	/	KC
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
				9 / 36%	1 / 4%	15 / 60%
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	
				9 / 36%	16 / 64%	
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				SR	/	KC
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.				SR	/	KC
10. Question psychometric quality and format meet the guidelines in Appendix B.				SR	/	KC
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.				SR	/	KC
Printed Name/Signature				Date		
a. Author	Steve Reeves / Steve Ream			9-21-21		
b. Facility Reviewer (*)	Ta Thompson / [Signature]			9-21-21		
c. NRC Chief Examiner (#)	Kelly Clayton / Kelly Clayton			9/22/2021		
d. NRC Regional Supervisor	Gerond George / Gerond A. George			Digitally signed by Gerond A. George Date: 2021.10.27 09:32:08 -05'00'		
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:	Date of Exam:	Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>
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Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	SR	/	KC
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)	SR	N/A	KC
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	SR	/	KC
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	SR	/	KC
5. All other failing examinations checked to ensure that grades are justified	N/A	/	KC
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	SR	/	KC

Printed Name/Signature	Date
a. Grader <u>Steve Reeves / Steve Reeves</u>	<u>10-26-21</u>
b. Facility Reviewer(*) <u>T. Thorpe / [Signature]</u>	<u>10.26.21</u>
c. NRC Chief Examiner (*) <u>Kelly Clayton / Kelly Clayton</u>	<u>11/10/2021</u>
d. NRC Supervisor (*) <u>Heather J. Gepford / Heather J. Gepford</u>	<u>11/12/2021</u>

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

Facility:	Date of Exam:	Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>
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Item Description	Initials		
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5. All other failing examinations checked to ensure that grades are justified	N/A	/	KC
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	SR	/	KC

	Date
a. Grader Steve Reeves / 	10-26-21
b. Facility Reviewer(*) 	10.26.21
c. NRC Chief Examiner (*) Kelly Clayton / 	11/10/2021
d. NRC Supervisor (*) Heather J. Gepford / 	11/12/2021

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

EXAM ASSIGNMENT TICKLER

Chief:	Kelly Clayton	Facility:	GG	Date of Written Exam:	10/25/2021
U/I:		Start of Op Test:	10/18/2021	End of Op Test:	10/22/2021
Written Exam Developed By: NRC / Facility			Operating Test Developed By: NRC / Facility		
Due Date	Description	Date Complete	Initials	Notes	
2/15/2021	Examination administration date confirmed	11/4/2020	KC	For NRC prepared exams, arrangements made for the facility to submit reference materials	
3/22/2021	NRC examiners and facility contact assigned	11/4/2020	KC		
3/22/2021	Facility contact briefed on security and other requirements	11/4/2020	KC		
3/22/2021	Reference material due for NRC prepared exams	N/A	KC	ES-201 Att-3	
3/22/2021	Corporate Notification Letter sent	2/11/2021	KC	ES-201 Att-4 produced by CE	
4/5/2021	NRC developed written examination outline sent to facility contact	2/11/2021	KC	ES-401-1/2 and ES-401-3	
5/17/2021	Operating test outline(s) and other checklists due	5/11/2021	KC	ES-201-2, 201-3, 301-1, 301-2, 301-5, D-1	
5/31/2021	Operating test outline(s) reviewed by NRC and feedback provided to facility licensee	5/18/2021	KC	ES-201-2 signed by CE & BC	
8/2/2021	Proposed exams, outlines, supporting documentation, and reference materials due.	8/2/2021	KC	Exams prepared by the NRC are approved by BC and forwarded for facility licensee review	
8/9/2021	Peer review of written exam complete	8/9/2021	KC	Document review on ES-401-9	
8/30/2021	Written exam and operating test reviews completed	8/24/2021	KC	Document review on ES-401-9	
9/13/2021	Feedback approved by Branch Chief	8/24/2021	KC		
9/13/2021	Examination review results discussed between NRC and facility licensee	8/24/2021	KC		
9/20/2021	Preliminary license applications & waiver/excusal requests due	9/20/2021	KC	NRC Forms 398/396	
9/13/2021	On-site validation & 10% audit of license applications	9/1/32021	KC		
9/27/2021	Preliminary license applications and waivers reviewed	9/22/2021	KC		
10/4/2021	Final license applications & waiver/excusal requests due	10/4/2021	KC	ES-201-4 prepared by LA	
10/11/2021	Written exams and operating tests approved by Branch Chief	10/11/2021	KC		
10/11/2021	Request facility licensee management feedback on the exam	10/11/2021	KC		
10/11/2021	Final applications reviewed and audited; exam approval and waiver/excusal letters sent	20/11/2021	KC	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
10/11/2021	Proctoring/written exam administration guidelines reviewed with facility licensee	10/11/2021	KC		
10/11/2021	Approved scenarios and JPMs distributed to examiners	10/11/2021	KC		
10/18/2021	Administer Operating Test	10/18/2021	KC		
10/29/2021	Examiner's document op test results on ES 303's	11/9/2021	KC		
11/14/2021	Post exam comments and graded exams received	11/9/2021	KC	ES-403-1 to BC	
11/22/2021	Post exam written comments reviewed and incorporated and NRC grading completed	11/10//2021	KC		
11/22/2021	Post exam operating test comments reviewed and ES-303-1 updated	11/10/2021	KC		
11/29/2021	Chief examiner review of operating test and/or written exam grading completed	11/10/2021	KC	Signed ES 303's to BC	
12/6/2021	Branch Chief review of exam results completed	11/15/2021	KC		
12/13/2021	Waivers/deferrals reviewed for impact on licensing decision	11/15/2021	KC		
12/13/2021	License/Proposed Denial letters mailed; Facility notified of results	11/15/2021	KC		
12/13/2021	RPS/IP number of examinees updated	11/15/2021	KC	print Report-21	
1/3/2022	Final Denial Letters mailed (if no request for informal review)	N/A	KC	21 days after proposed denial letters mailed.	
1/10/2022	Examination Report Issued	12/14/2021	KC	produced by CE	
1/17/2022	Ref Mat'l Returned after Final Resolution of Appeals	NA	KC		
2/14/2022	SUNSI checklist complete and exam docs to ADAMS	12/15/2021	KC	SUNSI checklist to LA	
Replaces NUREG-1021, Revision 11, Forms ES-201-1 and ES-501-1					

11/29/21, 2:02 PM

IP 21 Operator Licensing Exam Schedule - Report Viewer

10/1/2021

10/31/2021

4

FFF, FFN, FNF, FNN, NFF, NFN, NNF,

P - Power

5 - Operational

No Filter

Site

Grand Gulf

NA

No

N/A

N/A

Exclude

EXAD, NEXAD, NOV, OV

No

1 of 4

Find | Next

View Report

IP 21 Operator Licensing Exam Schedule

From 10/01/2021 to 10/31/2021

Phase Code: 5 - Operational

Region: 4

# Candidates				Examiners Assigned		
Exam Week	Site / Docket # / Insp Rpt #	RO	LSRO	SROI	SROU	Type
10/17/2021	Grand Gulf / 05000416 / 2021301 CAC #: 000500	1	0	5	2	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)
Bergeon, Bryan Clayton, Kelly Kirkland, John Osterholtz, Clyde						

Sites: GG

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD, NEXAD, NOV, OV