

Form 1.3-1 Examination Security Agreement

(1) Preexamination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 6/15/23 & 6/12/23 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 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 the completion of examination administration, except as specifically noted below or authorized by the NRC. 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, an enforcement action by the NRC against me or the facility licensee, or both. I will immediately report to facility licensee management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

(2) Postexamination

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 6/15 - 6/12/23 From the date that I entered into this examination 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 or authorized by the NRC.

ES-1.3, Page 8 of 8

	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	Kevin Swiger	Exam Author	<i>Kevin Swiger</i>	9-1-22	<i>Kevin Swiger</i>	6-15-23	
2.	MEGAN PROVEN	EXAM AUTHOR	<i>Megan Proven</i>	9/6/22	<i>Megan Proven</i>	6-15-23	
3.	Chris Burkhardt	REE	Per Telecom	9-27-22	Per telecom	6-15-23	
4.	STEPHAN JACKSON	VALIDATOR	<i>Stephan Jackson</i>	10/25/22	<i>Stephan Jackson</i>	6/16/23	
5.	Rodney Fleagle, Sr	Validator	<i>Rodney Fleagle, Sr</i>	10-25-22	Per telecom	6/19/23	
6.	VICTOR MOUNA	VALIDATOR	U.E.V.C	10/25/22	U.E.V.C	6/16/23	
7.	Jeffrey Deng	Validator	<i>Jeffrey Deng</i>	10/25/22	<i>Jeffrey Deng</i>	6/15/23	
8.	Richard Nukolende	Facility Rep	<i>Richard Nukolende</i>	11/1/22	<i>Richard Nukolende</i>	6/15/23	
9.	RYAN SATOW	VALIDATOR	<i>Ryan Satow</i>	12/6/22	<i>Ryan Satow</i>	6/15/23	
10.	Michael Savastano	Validator	<i>Michael Savastano</i>	12/6/22	<i>Michael Savastano</i>	6/15/23	
11.	COREY DONATHO	VALIDATOR	<i>Corey Donatho</i>	12/6/22	<i>Corey Donatho</i>	6/15/23	
12.	Mark Tambert	Validator	<i>Mark Tambert</i>	12-6-22	<i>Mark Tambert</i>	6-15-23	
13.	DAVID SUPANICH	VALIDATOR	<i>David Supanich</i>	12-14-22	<i>David Supanich</i>	6/17/23	

NOTES:

Form 1.3-1 Examination Security Agreement

(1) Preexamination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 6/5/23 & 6/12/23 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 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 the completion of examination administration, except as specifically noted below or authorized by the NRC. 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, an enforcement action by the NRC against me or the facility licensee, or both. I will immediately report to facility licensee management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

(2) Postexamination

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 6/5-6/12/23. From the date that I entered into this examination 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 or authorized by the NRC.

	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	Trace Heffner	SRO	J-Heff	12/14/22	J-Heff	6/19/23	
2.	James Knobloch	CRO	James Knobloch	12/14/22	James Knobloch	6/15/23	
3.	MICHAEL WHITED	CRO	Michael Whited	12-14-22	Michael Whited	6-15-23	
4.	Roselyne Kwamboka	SRO	roselyne	12-20-22	roselyne	06.15.23	
5.	ANDREW LEAMAN	CRO	Andrew Leaman	5-9-23	Andrew Leaman	6/15/23	
6.	Thomas Staker	SRO	Thomas Staker	5/9/23	Thomas Staker	6/15/23	
7.	DAVID FORD	CRO	David Ford	5/9/23	David Ford	6/15/23	
8.	J. M. Barton	Instructor	J. M. Barton	5/14/23	J. M. Barton	6/15/23	
9.	Eric Tinslow	Instructor	Eric Tinslow	6/5/23	Eric Tinslow	6/15/23	
10.	Sharon Boice	Instructor	Sharon Boice	6/5/23	Sharon Boice	6/15/23	
11.	Christopher Furfasu	Instructor	Christopher Furfasu	6/5/23	Christopher Furfasu	6/19/23	
12.	Amy Gardner	Instructor	Amy Gardner	6/6/23	Per Telecam	6/19/23	
13.	Baonguyen Nguyen	Instructor	Baonguyen Nguyen	6/6/23	Baonguyen Nguyen	6/15/23	

NOTES:

Form 1.3-1 Examination Security Agreement

(1) Preexamination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 6/5/23 & 6/12/23 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 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 the completion of examination administration, except as specifically noted below or authorized by the NRC. 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, an enforcement action by the NRC against me or the facility licensee, or both. I will immediately report to facility licensee management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

(2) Postexamination

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 6/5-6/12/23. From the date that I entered into this examination 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 or authorized by the NRC.

ES-1.3, Page 8 of 8

	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	James F. Huber	Instructor		6/6/23		6/15/23	
2.	Alyssa Gambino	OTM		6/6/23		6/15/23	
3.	Jeremy Hanson	Sim Software		6/6/23		6/15/23	
4.	JOHN HAYDEN	Sim (OOZ)		6/6/23		6/15/2023	
5.	Joshua Hill	INSTRUCTOR		6/6/23		6/15/23	
6.	David Conroy	Instructor		6/7/23		6/15/23	
7.	Jennifer Joy	Sr Ms Tang		6/7/23		6/15/23	
8.	JOHN HAYDEN Mr 6/15/23						
9.							
10.							
11.							
12.							
13.							

NOTES:

Form 2.3-1 Examination Outline Quality Checklist

Facility: CCNPP		Date of Examination: 6/5/2023		
Item	Task Description	(Y)es / (N)o		
		a	b*	c#
WRITTEN	a. The outline was systematically and randomly prepared in accordance with the instructions in Section B of ES-4.1, and all knowledge and ability (K/A) categories are appropriately sampled.	MP		BWD
	b. The outline does not overemphasize any systems, evolutions, or generic topics.	MP	u	BWD
	c. Justifications for deselected or rejected K/A statements are acceptable.	MP	u	BWD
SIMULATOR	a. Using Form 3.4-1, Events and Evolutions Checklist, verify that the proposed scenario set contains the required number of normal evolutions, reactivity evolutions, instrument and component failures, manual control evolutions, technical specifications, and major transients.	MP	u	TCS
	b. There are enough scenarios (and spares) for the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity. Ensure that scenarios will not be repeated on subsequent days.	MP	u	TCS
	c. Ensure that all scenarios are new or significantly modified in accordance with ES-3.4 and that no scenarios are duplicated from the applicants' audit test(s).	MP	u	TCS
	d. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative simulator set criteria specified on Form 2.3-2.	MP	u	TCS
JPMS	a. Verify that the administrative outline meets the criteria specified in the instructions on Form 3.2-1 and that no tasks are duplicated from the applicants' audit test(s).	MP	u	TCS
	b. Verify that the control room and in-plant systems outline meets the criteria specified in the instructions on Form 3.2-2 and that no tasks are duplicated from the applicants' audit test(s).	MP	u	TCS
	c. Determine whether the number of job performance measures (JPMs) and JPM types is sufficient for the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	MP	u	TCS
GENERAL	a. Assess whether the appropriate exam sections cover plant-specific priorities (including probabilistic risk assessment and individual plant examination insights).	MP	u	TCS
	b. Assess whether the 10 CFR 55.41, 10 CFR 55.43, and 10 CFR 55.45 sampling is appropriate.	MP	u	TCS
	c. Check whether K/A importance ratings (except for plant-specific priorities) are greater than or equal to 2.5.	MP	u	TCS
	d. Check for duplication and overlap across the exam and with the last two NRC exams.	MP	u	TCS
	e. Check the entire exam for balance of coverage.	MP	u	TCS
	f. Assess whether the exam fits the appropriate job level (reactor operator or senior reactor operator).	MP	u	TCS
a. Author	M. PARLETT <i>M. Parlett</i>	Date 12/20/2022		
b. Facility Reviewer (*)	<i>Richard N. ...</i>	Date 12/20/2022		
c. NRC Reviewer (#)	Brian Dyke <i>Brian Dyke</i>	Date 6/2/23		
NRC Chief Examiner	Thomas Setzer <i>Thomas C. Setzer</i>	Date 6/2/23		
NRC Supervisor	Donald Jackson <i>Donald C. Jackson</i>	Date 6/2/23		
<p>* The facility licensee signature is not applicable for NRC-developed tests. # An independent NRC reviewer performs the steps in column "c." This may be the NRC Chief Examiner if he/she did not develop the outline under review.</p>				

Form 2.3-2 Operating Test Quality Checklist

Facility: CCNPP		Date of Examination: June 5, 2023 Operating Test Number: 2023		
General Criteria		(Y)es / (N)o		
		a	b*	c*
a.	The operating test meets the criteria on the associated test outline.	MP	✓	TCS
b.	There are enough test items so that test items will not be repeated on more than 1 day of the operating test.	MP	✓	TCS
c.	The operating test does not duplicate items from the applicants' audit test(s).	MP	✓	TCS
d.	Overlap with the written examination and between different parts of the operating test is minimized.	MP	✓	TCS
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	MP	✓	TCS
Walkthrough Criteria				
a.	Each job performance measure (JPM) includes the following, as applicable: <ul style="list-style-type: none"> task standard initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if the facility licensee deems it to be time critical alternate path JPMs are labeled as "alternate path" operationally important specific performance criteria that include the following: <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 JPM task standard identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	MP	✓	TCS
b.	Ensure that any changes from the previously approved JPM outlines (Forms 3.2-1 and 3.2-2) 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.	MP	✓	TCS
Simulator Scenario Set Criteria for Scenario Numbers: 1 / 3 / 4				
QUALITATIVE ATTRIBUTES				
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.	MP	✓	TCS
2.	The scenarios consist mostly of related events.	MP	✓	TCS
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) 	MP	✓	TCS

QUALITATIVE ATTRIBUTES (continued)		(Y)es / (N)o			
		a	b*	c#	
4.	The events are valid with regard to physics and thermodynamics.	MP	<i>u</i>	TCS	
5.	The sequencing and timing of events is reasonable and allows the examination team to observe and evaluate applicant performance.	MP	<i>u</i>	TCS	
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.	MP	<i>u</i>	TCS	
7.	The simulator modeling is not altered.	MP	<i>u</i>	TCS	
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.	MP	<i>u</i>	TCS	
9.	Scenarios are new or significantly modified in accordance with ES-3.4.	MP	<i>u</i>	TCS	
10.	Scenarios (as grouped) allow each applicant to be significantly involved in the minimum number of transients, events, and evolutions specified on the version of Form 3.4-1 submitted with the scenario set.	MP	<i>u</i>	TCS	
11.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	MP	<i>u</i>	TCS	
12.	The level of difficulty is appropriate to support licensing decisions for each crew position.	MP	<i>u</i>	TCS	
TARGET QUANTITATIVE ATTRIBUTES per Scenario (See ES-3.4)		Actual Attributes by Scenario No. 1 / 3 / 4	(Y)es / (N)o		
			a	b*	c#
1.	Malfunctions after emergency operating procedure (EOP) entry (1-2)	3 / 3 / 3	MP	<i>u</i>	TCS
2.	Abnormal events (2-4)	3 / 3 / 3	MP	<i>u</i>	TCS
3.	Major transients (1-2)	1 / 1 / 1	MP	<i>u</i>	TCS
4.	EOPs entered/requiring substantive actions (1-2)	1 / 1 / 1	MP	<i>u</i>	TCS
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set; set is the entire set of scenarios prepared for the scheduled exam)	1 / 0 / 1	MP	<i>u</i>	TCS
6.	Preidentified critical tasks (≥ 2)	3 / 3 / 3	MP	<i>u</i>	TCS
		Printed Name/Signature	Date		
a.	Author	<i>M. PARLLET</i> <i>M. R. Platt</i>	3/15/2023		
b.	Facility Reviewer (*)	<i>[Signature]</i> <i>Nucleonics</i>	3/15/23		
c.	NRC Reviewer (#)	Thomas Setzer <i>Thomas C. Setzer</i>	6/2/23		
	NRC Chief Examiner	Thomas Setzer <i>Thomas C. Setzer</i>	6/2/23		
	NRC Supervisor	Donald Jackson <i>Donald E. Jackson</i>	6/2/23		
<p>* The facility licensee signature is not applicable for NRC-developed tests. # An independent NRC reviewer performs the steps in column c. This may be the NRC Chief Examiner if he/she did not develop the operating test under review.</p>					

Form 2.3-4 Written Examination Quality Checklist

Facility: CCNPP		Date of Exam: June 5, 2023		Exam Level: RO <input checked="" type="checkbox"/>		SRO <input checked="" type="checkbox"/>	
Item Description				(Y)es / (N)o			
				a	b*	c#	
1. Questions and answers are technically accurate and applicable to the facility. Each question includes a technical reference.				MP	<i>m</i>	TCS	
2. a. All questions reference NRC knowledge and abilities (K/As) requirements. b. Facility learning objectives are referenced as available. c. All questions include an explanation of the correct answer explanation and a distractor analysis.				MP	<i>m</i>	TCS	
3. Senior reactor operator (SRO) questions test at the SRO license level.				MP	<i>m</i>	TCS	
4. The sampling process was random and systematic. (If more than four reactor operator (RO) or two SRO questions were repeated from the last two NRC licensing exams, including full (100-question) retake examinations, consult the NRC Office of Nuclear Reactor Regulation operator licensing program office.)				MP	<i>m</i>	TCS	
5. Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> The audit exam was systematically and randomly developed. <input type="checkbox"/> The audit exam was completed before the license exam was started. <input type="checkbox"/> The examinations were developed independently. <input checked="" type="checkbox"/> The licensee certifies that there is no duplication. <input type="checkbox"/> Other (explain):				MP	<i>m</i>	TCS	
6. Bank use meets limits (no more than 75% from the bank, at least 10% new (at the comprehension/analysis level), and the rest new or modified); enter the actual RO/SRO-only question distribution >				Bank	Modified	New	
				49/14	0/0	26/11	
7. Between 38 and 45 questions of the questions on the RO exam and at least 13 of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level; enter the actual RO/SRO-only question distribution >				Memory		C/A	
				32/11		43/14	
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				MP	<i>m</i>	TCS	
9. Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the K/A statements' assigned tier; deviations are justified.				MP	<i>m</i>	TCS	
10. Question psychometric quality and format meet the instructions and guidelines in ES-4.2.				MP	<i>m</i>	TCS	
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.				MP	<i>m</i>	TCS	
Printed Name/Signature				Date			
a. Author	<i>M. PARLETT</i> <i>M. Parlett</i>			<i>3/15/2023</i>			
b. Facility Reviewer (*)	<i>[Signature]</i> <i>Nutbolovak</i>			<i>3/15/23</i>			
c. NRC Reviewer (#)	Thomas Setzer	<i>Thomas C. Setzer</i>		6/2/23			
NRC Chief Examiner	Thomas Setzer	<i>Thomas C. Setzer</i>		6/2/23			
NRC Regional Supervisor	Donald Jackson	<i>Donald C. Jackson</i>		6/2/23			
* The facility licensee signature is not applicable for NRC-developed tests.							
# An independent NRC reviewer performs steps in column c. This may be the NRC Chief Examiner if he/she did not develop the written examination under review.							

Events and Evolutions Checklist

Form 3.4-1

Facility: CCNPP			Date of Exam: 6/5/2023										Operating Test #: 2023					
A P P L I C A N T	E V E N T T Y P E	Scenarios																
		1			2 (SPARE)			3			4			T O T A L	MINIMUM (*)			
		POSITION			POSITION			POSITION			POSITION				R	I	U	
		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					
Scenario Rollup	RX		1	1					3	3		3				1	1	0
	NOR	1														1	1	1
	I/C	2,3,4 5,6,7	4,5,7	2,3,4 6,7				1,2,3 4,5,7	2,4,7	1,4,5	1,2,3 4,5,6	4,5,6	1,2,3 4,6			4	4	2
	MAJ	8	8	8				6	6	6	7	7	7			2	2	1
	Man. Ctrl		4	6					7	5		5	1			1	1	0
	TS	2,4						1,2			2,3					0	2	2
RO-1	RX			1					3						2	1	1	0
	NOR														0	1	1	1
	I/C			2,3,4 6,7					2,4,7						8	4	4	2
	MAJ			8					6						2	2	2	1
	Man. Ctrl			6					7						2	1	1	0
	TS														0	0	2	2
RO-2	RX									3		3			2	1	1	0
	NOR														0	1	1	1
	I/C									1,4,5		4,5,6			6	4	4	2
	MAJ									6		7			2	2	2	1
	Man. Ctrl										5		5		2	1	1	0
	TS														0	0	2	2
RO-3	RX								3						1	1	1	0
	NOR														0	1	1	1
	I/C								2,4,7				1,2,3 4,6		8	4	4	2
	MAJ								6				7		2	2	2	1
	Man. Ctrl								7				1		2	1	1	0
	TS														0	0	2	2
RO-4	RX									3		3			2	1	1	0
	NOR														0	1	1	1
	I/C									1,4,5		4,5,6			6	4	4	2
	MAJ									6		7			2	2	2	1
	Man. Ctrl										5		5		2	1	1	0
	TS														0	0	2	2
RO-5	RX		1												1	1	1	0
	NOR														0	1	1	1

Events and Evolutions Checklist

Form 3.4-1

	I/C		4,5,7								1,2,3 4,6	8	4	4	2
	MAJ		8								7	2	2	2	1
	Man. Ctrl		4								1	2	1	1	0
	TS											0	0	2	2
SROI-1	RX		1									1	1	1	0
	NOR											0	1	1	1
	I/C		4,5,7				1,2,3 4,5,7			1,2,3 4,5,6		15	4	4	2
	MAJ		8				6			7		3	2	2	1
	Man. Ctrl		4									1	1	1	0
	TS						1,2			2,3		4	0	2	2
SROI-2	RX			1								1	1	1	0
	NOR											0	1	1	1
	I/C			2,3,4 6,7			1,2,3 4,5,7			1,2,3 4,5,6		17	4	4	2
	MAJ			8			6			7		3	2	2	1
	Man. Ctrl			6								1	1	1	0
	TS						1,2			2,3		4	0	2	2