




Form 2.1-1 Examination Preparation Checklist

Facility: <u>Hatch</u>		Date of Examination: <u>Nov 2023</u>
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description	Chief Examiner's Initials
-240	1. Examination administration date confirmed (A.1-5). For NRC-prepared examinations, arrangements are made for the facility licensee to submit reference materials (B.4, C.4.g and F).	<i>DL</i>
-210	2. NRC examiners and facility licensee contact assigned (B.1 and C.1-3).	<i>DL</i>
-210	3. Facility licensee contact briefed on examination security and other requirements (D.4). As applicable, the facility licensee contact submits to the NRC any prescreened K/As for elimination from the written examination outline, with a description of the facility licensee's prescreening process (ES-4.1 A.1.a and ES-4.1 B.2).	<i>DL</i>
-210	4. Reference material due for NRC-prepared examinations (F).	<i>DL</i>
-210	5. Examination kick-off call held (C.4). The NRC sends the corporate notification letter (A.5).	<i>DL</i>
-195	6. Written examination outline developed by the NRC and sent to the facility licensee contact (must be on the examination security agreement) (B.2, ES-4.1 A.1.b and ES-4.1 A.2.a).	<i>DL</i>
-150	7. Operating test outlines and checklists due: Forms 1.3-1, 2.3-1, 3.2-1, 3.2-2, 3.3-1, and 3.4-1, as applicable (B.6). Facility licensee provides a draft operating test administration schedule to the NRC (B.18).	<i>DL</i>
-136	8. Operating test outlines reviewed by the NRC and feedback provided to the facility licensee (ES-2.3).	<i>DL</i>
-100	9. NRC-prepared examinations approved by the NRC supervisor and forwarded for facility licensee review (ES-2.3).	<i>DL</i>
-75	10. Proposed examinations (written, JPMs, and scenarios, as applicable) and outline forms; quality checklists and supporting documentation (including Forms 2.3-2 and 2.3-4 and any Form 2.3-1, 1.3-1, and 3.4-1 updates); and reference materials due.	<i>DL</i>
-60	11. Preliminary waiver/excusal requests due (ES-2.2 E.1).	<i>DL</i>
-50	12. Written examination and operating test reviews completed (ES-2.3). The NRC supervisor's authorization to proceed with the facility review granted (ES-2.3 D).	<i>DL</i>
-50	13. Examination review results discussed between the NRC and the facility licensee (B.14).	<i>DL</i>
-35	14. Examination preparatory week conducted by the NRC and the facility licensee (I).	<i>DL</i>
-30	15. Preliminary license applications, including any waiver/excusal requests, due (ES-2.2 C.1).	<i>DL</i>
-14	16. Final license applications, including any waiver/excusal requests, due and Form 2.2-1 prepared (ES-2.2 C and E).	<i>DL</i>
-7	17. Written examinations and operating tests approved by the NRC supervisor (C.9)	<i>DL</i>
-7	18. Facility licensee management feedback on the examination requested by the NRC supervisor (C.10).	<i>DL</i>
-7	19. Final applications reviewed; 10% of applications audited to confirm qualifications/eligibility (ES-2.2 G); and examination approval letter (Letter 2.3-1) and waiver/excusal letters sent.	<i>DL</i>
-7	20. Written examination administration guidelines reviewed with the facility licensee (D.14).	<i>DL</i>
-7	21. Approved scenarios and job performance measures distributed to NRC examiners (D.12).	<i>DL</i>
* Target dates are based on facility licensee-prepared examinations and the examination date identified in the corporate notification letter. These dates are for planning purposes and may be adjusted in coordination with the facility licensee.		

Form 2.3-1 Examination Outline Quality Checklist

Facility: E. I. HATCH		Date of Examination: 11/27/2023		
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.	JW		2
	b. The outline does not overemphasize any systems, evolutions, or generic topics.	JW	CE	2
	c. Justifications for deselected or rejected K/A statements are acceptable.	JW	CE	2
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.	JW	CE	2
	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.	JW	CE	2
	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).	JW	CE	2
	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.	JW	CE	2
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).	JW	CE	2
	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).	JW	CE	2
	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.	JW	CE	2
GENERAL	a. Assess whether the appropriate exam sections cover plant-specific priorities (including probabilistic risk assessment and individual plant examination insights).	JW	CE	2
	b. Assess whether the 10 CFR 55.41, 10 CFR 55.43, and 10 CFR 55.45 sampling is appropriate.	JW	CE	2
	c. Check whether K/A importance ratings (except for plant-specific priorities) are greater than or equal to 2.5.	JW	CE	2
	d. Check for duplication and overlap across the exam and with the last two NRC exams.	JW	CE	2
	e. Check the entire exam for balance of coverage.	JW	CE	2
	f. Assess whether the exam fits the appropriate job level (reactor operator or senior reactor operator).	JW	CE	1
a. Author	Printed Name/Signature: JOHN D. WILLIAMS <i>John D. Williams</i>		Date: 11/2/2023	
b. Facility Reviewer (*)	<i>Charlie Edmund / Charlie Edmund</i>		11/21/2023	
c. NRC Reviewer (#)	<i>David R. Lanyi / DR Lanyi</i>		11/23/2023	
NRC Chief Examiner	David R. Lanyi		Digitally signed by David R. Lanyi DN: cn=DRL, o=NRC, email=DRL@nrc.gov	
NRC Supervisor	Matthew F. Endress		Digitally signed by Matthew F. Endress Date: 2024.01.17 14:01:01 -0500	
<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 2.3-1 Examination Outline Quality Checklist

Facility: Hatch		Date of Examination: Nov. 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.	Y		Y
	b. The outline does not overemphasize any systems, evolutions, or generic topics.	Y	N/A*	Y
	c. Justifications for deselected or rejected K/A statements are acceptable.	Y	.	Y
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.	N/A*		N/A*
	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.			
	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).			
	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.			
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).			
	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).			
	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.			
GENERAL	a. Assess whether the appropriate exam sections cover plant-specific priorities (including probabilistic risk assessment and individual plant examination insights).			
	b. Assess whether the 10 CFR 55.41, 10 CFR 55.43, and 10 CFR 55.45 sampling is appropriate.			
	c. Check whether K/A importance ratings (except for plant-specific priorities) are greater than or equal to 2.5.			
	d. Check for duplication and overlap across the exam and with the last two NRC exams.			
	e. Check the entire exam for balance of coverage.			
	f. Assess whether the exam fits the appropriate job level (reactor operator or senior reactor operator).			
a. Author <u>David Lanyi</u> Printed Name <u></u> Signature <u>7/19/2022</u> Date				
b. Facility Reviewer (*) <u>N/A*</u>				
c. NRC Reviewer (#) <u>Joe Viera</u> / <u>Joseph P. Viera</u>		Digitally signed by Joseph P. Viera Date: 2023.06.22 15:18:49 -04'00'		
NRC Chief Examiner <u>David Lanyi</u> / <u></u>		Digitally signed by Thomas A. Stephen Date: 2023.07.05 11:34:20 -04'00'		
NRC Supervisor <u></u>				
* 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.				

Form 2.3-1 Examination Outline Quality Checklist

Facility: Hatch		Date of Examination: Nov. 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.	Y		Y
	b. The outline does not overemphasize any systems, evolutions, or generic topics.	Y	N/A*	Y
	c. Justifications for deselected or rejected K/A statements are acceptable.	Y		Y
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.	N/A*		N/A*
	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.			
	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).			
	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.			
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).			
	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).			
	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.			
GENERAL	a. Assess whether the appropriate exam sections cover plant-specific priorities (including probabilistic risk assessment and individual plant examination insights).			
	b. Assess whether the 10 CFR 55.41, 10 CFR 55.43, and 10 CFR 55.45 sampling is appropriate.			
	c. Check whether K/A importance ratings (except for plant-specific priorities) are greater than or equal to 2.5.			
	d. Check for duplication and overlap across the exam and with the last two NRC exams.			
	e. Check the entire exam for balance of coverage.			
	f. Assess whether the exam fits the appropriate job level (reactor operator or senior reactor operator).			
a. Author	Printed Name: David Lanyi	Signature:	Date: 7/31/23	
b. Facility Reviewer (*)	N/A*			
c. NRC Reviewer (#)	Joe Viera	Joseph P. Viera	Digitally signed by Joseph P. Viera Date: 2023.11.06 09:55:11 -05'00'	
NRC Chief Examiner	David Lanyi		11/1/23	
NRC Supervisor	Matthew F. Endress		Digitally signed by Matthew F. Endress Date: 2024.01.10 10:04:13 -05'00'	
<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 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 11-21 to 12-13-23 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 11-27 to 12-13-23. 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
Anthony Ball	INST. II PLANT OPS	Anthony Ball	8-1-22	Anthony Ball	12/7/23	
John D. Williams	INSTRUCTOR	J.D. Williams	11-14-22	J.D. Williams	12/7/23	
Charlie Edmund	DR. STRUCTOR	Charlie Edmund	03/07/23	Charlie Edmund	12/7/23	
Mike Johnston	LOST LEAD	Mike Johnston	3/10/23	Mike Johnston	12/7/23	
Neal White	S.R.F.C. Tech	Neal White	03/21/23	Neal White	12/7/23	
Gene Gibbs	SIM Eng.	Gene Gibbs	03/20/23	Gene Gibbs	12/8/23	
GERALD OWENS	SIM MAINT.	Gerald Owens	5/30/23	*	11/5/24	* *
William Lebel	NPO	William Lebel	4/18/23	William Lebel	12/09/23	
Adam Morgan	Shift Supervisor	Adam Morgan	4/18/23	Adam Morgan	12/11/23	
Eric Kennedy	NPO	Eric Kennedy	4/19/23	Eric Kennedy	12-13-23	
John Cameron	OPS SUPERVISOR	John Cameron	5/16/23	John Cameron	12/12/23	
Danny L. Richardson Jr.	SIM MAINT	Danny L. Richardson Jr.	7/11/23	Danny L. Richardson Jr.	12/7/23	
CHRIS ELLIOTT	NPO	Chris Elliott	8/10/23	Chris Elliott	12/7/23	

NOTES:

- 14. Travis Lynn SRO 8/10/23 Travis Lynn
- 15. Carlton Thomas NPO 8-10-23 Carlton Thomas
- 16. Shannon M. Babin SRO 8/10/23 Shannon M. Babin

* * SEE ATTACHED EMAIL

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 11-27 → 12-3-23 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 11-27 → 12-3-23. 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.	Evan Davis	NPO	[Signature]	8-17-23	[Signature]	12-14-23	
2.	Joshua Gasgard	NPO	[Signature]	8/17/23	[Signature]	12/11/23	
3.	James Richmond	SS	[Signature]	8/17/23	[Signature]	12/7/23	
4.	Mike Eisen	NPO	[Signature]	8-24-23	[Signature]	12-9-23	
5.	John Long	SM	[Signature]	08/24/23	[Signature]	12/11/23	
6.	Rob Jones	SS	[Signature]	8/24/23	[Signature]	12/11/23	
7.	Blake Bour	SM	[Signature]	01/25/23	[Signature]	12/17/23	
8.	Jennifer Hyatt	NPO	[Signature]	10/12/2023	[Signature]	12/11/2023	
9.	James Dixon	NPO	[Signature]	10/12/23	[Signature]	12/11/23	
10.	Richard A. Greenhouse	SRO	[Signature]	10/10/23	[Signature]	12/10/23	
11.	Paul Moore	NPO	[Signature]	10/16/23	[Signature]	12/09/23	
12.	Jonathan Dixon	SS	[Signature]	10/16/23	[Signature]	12/26/23	
13.	Joseph Tethersell	NPO	[Signature]	10/16/23	[Signature]	12/9/23	

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 11-17 to 11-19-23 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 11-27 to 12-3-23. 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.	DA Sharp	Ops ENF	[Signature]	12/14/23	[Signature]	12/17/23	
2.	Rip Warrington	Ops (restroom)	[Signature]	11/16/23	[Signature]	12/7/23	
3.	Steven Davis	NFO	[Signature]	12-14-23	[Signature]	12-14-23	
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							

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 11-27 - 12-3-23 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 11-27 - 12-3-23 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.	Shane Cowson ①	Instructor / Seq	[Signature]	11/27/23	[Signature]	11/30/23	
2.	CHRIS HARTO ①	INSTRUCTOR	[Signature]	11/27/23	[Signature]	11/30/23	
3.	Terry Jones ①	Instructor	[Signature]	11/27/23	[Signature]	11/30/23	
4.	Geordy Thordy ①	Instructor	[Signature]	11/27/23	[Signature]	11/30/23	
5.	Daniel L. Dibrasim ①	Instructor	[Signature]	11/27/23	[Signature]	11/30/23	
6.	ERIC L. RUFFO	INSTRUCTOR	[Signature]	11/27/23	[Signature]	11/30/23	
7.							
8.							
9.							
10.							
11.							
12.							
13.							

NOTES:

① INDICATES INDIVIDUAL WAS A SEQUESTERED FOR THE OPERATING EXAM ONLY.

Williams, John D.

From: Gibbs, Donald Gene
Sent: Friday, January 5, 2024 1:26 PM
To: Williams, John D.; Ball, Anthony R.
Subject: Fw: ILT 15 NRC Exam Security sign-off

Guys, please see Gerald's email below. Please let me know if you have everything that you need now.

Thanks,
Gene

From: Gerald <gerald@growens.com>
Sent: Friday, January 5, 2024 1:21 PM
To: Gibbs, Donald Gene <DGGIBBS@SOUTHERNCO.COM>
Subject: ILT 15 NRC Exam Security sign-off

CAUTION: You have not corresponded recently with this sender. This may be an UNTRUSTED SENDER. Use known and trusted information to verify the sender. If in doubt, report this email using the PhishAlarm button.

To Plant E.I. Hatch Training Department:

I have maintained exam security and divulged no exam information to any of the ILT 15 students concerning the initial NRC exam administered at Plant Hatch Site Nov/Dec 2023.

Gerald Ralph Owens.

*** GERALD WAS A SIMULATOR CONTRATOR DURING EXAM DEVELOPMENT.
HE WAS NOT ON SITE TO PHYSICALLY SIGN OFF THE AGREEMENT.*

Form 2.3-2 Operating Test Quality Checklist

Facility: E. I. HATCH		Date of Examination: 11/27/2023		Operating Test Number: 2023-301	
General Criteria			(Y)es / (N)o		
			a	b*	c#
a. The operating test meets the criteria on the associated test outline.			Y	CE	DL
b. There are enough test items so that test items will not be repeated on more than 1 day of the operating test.			Y	CE	DL
c. The operating test does not duplicate items from the applicants' audit test(s).			Y	CE	DL
d. Overlap with the written examination and between different parts of the operating test is minimized.			Y	CE	DL
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.			Y	CE	DL
Walkthrough Criteria					
a. Each job performance measure (JPM) includes the following, as applicable:			Y	CE	DL
<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 					
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.			Y	CE	DL
Simulator Scenario Set Criteria for Scenario Numbers: 1 / 2 / 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.			Y	CE	DL
2. The scenarios consist mostly of related events.			Y	CE	DL
3. Each event description consists of the following:			Y	CE	DL
<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) 					

QUALITATIVE ATTRIBUTES (continued)		(Y)es / (N)o		
		a	b*	c#
4.	The events are valid with regard to physics and thermodynamics.	Yes	CE	DL
5.	The sequencing and timing of events is reasonable and allows the examination team to observe and evaluate applicant performance.	Yes	CE	DL
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.	Yes	CE	DL
7.	The simulator modeling is not altered.	Yes	CE	DL
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.	Yes	CE	DL
9.	Scenarios are new or significantly modified in accordance with ES-3.4.	Yes	CE	DL
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.	Yes	CE	DL
11.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	Yes	CE	DL
12.	The level of difficulty is appropriate to support licensing decisions for each crew position.	Yes	CE	DL
TARGET QUANTITATIVE ATTRIBUTES per Scenario (See ES-3.4)		Actual Attributes by Scenario No.		(Y)es / (N)o
		1 / 2 / 3 / 4		a b* c#
1.	Malfunctions after emergency operating procedure (EOP) entry (1-2)	1 / 1 / 2 / 1		Yes CE DL
2.	Abnormal events (2-4)	4 / 3 / 3 / 3		Yes CE DL
3.	Major transients (1-2)	1 / 1 / 1 / 1		Yes CE DL
4.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 1 / 2		Yes CE DL
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)	0 / 1 / 0 / 1		Yes CE DL
6.	Preidentified critical tasks (≥ 2)	2 / 2 / 3 / 2		Yes CE DL
a. Author JOHN D. WILLIAMS <i>John D. Williams</i>		Date 11-2-23		
b. Facility Reviewer (*) Charlie Edmund / <i>Charlie Edmund</i>		11/02/2023		
c. NRC Reviewer (#) David R Lanyi <i>DL R Lanyi</i>		11/6/2023		
NRC Chief Examiner David R Lanyi <i>DL R Lanyi</i>		11/6/2023		
NRC Supervisor Matthew F. Endress		Digitally Signed by Matthew F. Endress Date: 2024.01.10 10:00:45 -05'00'		
* 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.				

Form 2.3-4 Written Examination Quality Checklist

Facility: E. I. HATCH		Date of Exam: 11/27/2023		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.				ju	CE	AL	
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.				ju	CE	AL	
3. Senior reactor operator (SRO) questions test at the SRO license level.				ju	CE	AL	
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.)				ju	CE	AL	
5. Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" 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. Other (explain): 37/48% 25/16% 37/36%				ju	CE	AL	
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	
				28 / 12	19 / 4	28 / 9	ju
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	
				36 / 8		39 / 17	ju
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				ju	CE	AL	
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.				ju	CE	AL	
10. Question psychometric quality and format meet the instructions and guidelines in ES-4.2.				ju	CE	AL	
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.				ju	CE	AL	
Printed Name/Signature						Date	
a. Author	JOHN D. WILLIAMS <i>John D. Williams</i>					11-2-2023	
b. Facility Reviewer (*)	<i>Charlie Edmund / Charlie Edmund</i>					11/02/2023	
c. NRC Reviewer (#)	David R Lanyi <i>David R Lanyi</i>					11/16/2023	
NRC Chief Examiner	David R Lanyi <i>David R Lanyi</i>					11/16/2023	
NRC Regional Supervisor	Matthew F. Endress					Digitally signed by Matthew F. Endress Date: 2024.01.10 09:57:42 -05'00'	
* 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.							

Form 5.1-1 Postexamination Check Sheet

Postexamination Check Sheet	
Facility: Hatch	Dates of Examination: Nov 2023
Activity Description	Date Complete
1. *Received postexamination package from facility licensee and verified complete. (ES-4.4)	12/12/2023
2. *Reviewed and incorporated any necessary facility and applicant written examination comments. NRC grading of written examination completed. (ES-4.4)	12/13/2023
3. *Reviewed and incorporated any necessary facility and applicant operating test comments. NRC grading of operating test completed. (ES-3.6)	12/13/2023
4. *Completed NRC chief examiner review of operating test and written examination grading. (ES-3.6 and ES-4.4)	1/3/2024
5. Completed licensing official review.	1/12/2024
6. Mailed licenses, preliminary results, and pass letters.	1/16/2024
7. Notified facility licensee of results.	1/16/2024
8. Issued the examination report (refer to Operator Licensing Manual Chapter (OLMC) 510, "Operator Licensing Examination Reports").	1/17/2024
9. Returned reference material after final resolution of any informal NRC staff reviews, hearing demands, or both.	1/17/2024
10. Performed examination recordkeeping activities (refer to OLMC 520, "Operator Licensing Examination Records and Documentation," and Management Directive 3.53, "NRC Records and Document Management Program").	1/18/2024
* Activity may not be applicable for a retake examination. If this activity does not apply, place an "N/A" in the Date Complete column.	

September 06, 2023

Docket Nos.: 50-321, 50-366

LR-TR-001-0923

David Lanyi
Region II Chief Examiner
U. S. Nuclear Regulatory Commission
245 Peachtree Center, Ave., NE
Suite 1200
Atlanta, GA 30303-1257

Edwin I. Hatch Nuclear Plant
Subject: Submittal of 2023-301 Draft Written & Operating Exam and associated forms

Dear Mr. Lanyi:

As required by NUREG 1021, "Operator Licensing Examination Standards", Revision 12 form 2.1-1, "Examination Preparation Checklist", issued for Plant Hatch's upcoming Initial Operator Licensing Exam, enclosed are the following items:

- (1) Form 2.3-1, Examination Outline Quality Checklist
- (1) Form 1.3-1, Examination Security Agreement
- (2) Form 3.2-1, Administrative Topics Outline Form
- (3) Form 3.2-2, Control Room/In-Plant Systems Outline
- (1) Form 2.3-2, Operating Test Quality Checklist
- (1) Form 3.4-1, Event and Evolutions Checklist
- (1) Form 4.1-1, Record of Rejected Knowledge and Abilities
- (1) Form 2.3-4 Written Examination Quality Checklist
- (4) Form 3.3-1/Form 3.3-2, Scenario Outlines and Required Operator Actions
- 20 Job Performance Measures (JPMs) with Exam References
- One (1) Draft SRO/RO Written Exam (100 questions) with Exam References
- One (1) set of SRO/RO Written Exam Descriptions and Notes
- One (1) set of Plant References

These documents are confidential and should not be released to the public until after our License Exam has been administered.

If you have any questions regarding this material, please contact Derek Williams at 912-453-3838 (cell 912-245-8499) or Anthony Ball at 912-453-2411 (cell 912-278-4007).

Sincerely,



C. M. Edmund
2023-301 Facility Reviewer – Hatch

November 02, 2023

Docket Nos.: 50-321, 50-366

LR-TR-001-1123David Lanyi
Region II Chief Examiner
U. S. Nuclear Regulatory Commission
245 Peachtree Center, Ave., NE
Suite 1200
Atlanta, GA 30303-1257Edwin I. Hatch Nuclear Plant
Subject: Submittal of 2023-301 Final Written & Operating Exam and associated forms

Dear Mr. Lanyi:

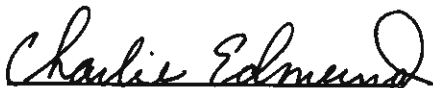
As required by NUREG 1021, "Operator Licensing Examination Standards", Revision 12 form 2.1-1, "Examination Preparation Checklist", issued for Plant Hatch's upcoming Initial Operator Licensing Exam, enclosed are the following items:

- (1) Form 2.3-1, Examination Outline Quality Checklist
- (1) Form 1.3-1, Examination Security Agreement
- (2) Form 3.2-1, Administrative Topics Outline Form
- (3) Form 3.2-2, Control Room/In-Plant Systems Outline
- (1) Form 2.3-2, Operating Test Quality Checklist
- (1) Form 3.4-1, Event and Evolutions Checklist
- (1) Form 4.1-1, Record of Rejected Knowledge and Abilities
- (1) Form 2.3-4 Written Examination Quality Checklist
- (4) Form 3.3-1/Form 3.3-2, Scenario Outlines and Required Operator Actions
- 20 Job Performance Measures (JPMs)
- One (1) Final RO Written Exam (75 questions) with answer key
- One (1) Final SRO Written Exam (100 questions) with answer key
- One (1) set of SRO/RO Written Exam References
- One (1) Final SRO/RO Written Exam (100 questions) with description and notes

These documents are confidential and should not be released to the public until after our License Exam has been administered.

If you have any questions regarding this material, please contact Derek Williams at 912-453-3838 (cell 912-245-8499) or Anthony Ball at 912-453-2411 (cell 912-278-4007).

Sincerely,

C. M. Edmund
2023-301 Facility Reviewer – Hatch

June 12, 2023

LR-TR-001-0623

Mr. David Lanyi
US NRC, Region II Chief Examiner
Marquis One Tower
245 Peachtree Center Ave., NE
Suite 1200
Atlanta, GA 30303-1257

Subject: Transmittal of 2023-301 SRO/RO Operating Examination Outlines

Dear Mr. Lanyi:

As required by NUREG 1021, Operator Licensing Examination Standards, Revision 12 Form 2.1-1, Examination Preparation Checklist, issued for Plant E. I. Hatch's upcoming Initial Operator Licensing Exam, enclosed are the following forms:

- 1 – Form 2.3-1, Examination Outline Quality Checklist
- 1 – Form 1.3-1, Examination Security Agreement
- 2 – Form 3.2-1, Administrative Topics Outline Form
- 3 – Form 3.2-2, Control Room/In-Plant Systems Outline
- 1 – Form 3.4-1, Events and Evolutions Checklist
- 4 – Form 3.3-1, Scenario Outlines
- 1 – Form 4.1-1, Record of Rejected K/As
- 1 – JPM Summary

As you know these documents are confidential and should not be released to the public until after our License Exam has been administered.

If you have any questions regarding this material, please contact:

Derek Williams at (912) 453-3838 or (912) 245-8499,
Anthony Ball at (912) 453-2411 or (912) 278-4007.

Sincerely,



Charlie M. Edmund
Hatch Facility Reviewer

December 12, 2023

Docket Nos.: 50-321, 50-366

LR-TR-001-1223

David Lanyi
Region II Chief Examiner
U. S. Nuclear Regulatory Commission
245 Peachtree Center, Ave., NE
Suite 1200
Atlanta, GA 30303-1257

Edwin I. Hatch Nuclear Plant
Subject: Transmittal of 2023-301 NRC Initial License Examination Post Exam Comments

Dear Mr. Lanyi:

In accordance with NUREG 1021, ES-4.4 "Grading and Documenting Written Examinations", Revision 12 post exam comments are due within 20 days of exam administration.

For the NRC Initial License exams administered at Plant Hatch starting November 27, 2023 and completing on December 6, 2023, enclosed are the following items:

- (10) Scanned Original RO and SRO Exam Coversheets, Scantron forms, Results
- (1) Master SRO & RO Written Exam with Answers marked with Answer Key
- (15) Written exam question sheets with response provided to the applicants
- (1) Exam Seating chart
- (2) RO and SRO question and test statistics
- (1) Facility recommendation for 2023-301 CR/SIM 3 with proposed update JPM
- (1) Facility recommendation for 2023-301 CR/SIM 7 with proposed update JPM
- (1) Current Form 1.3-1, Examination Security Agreement

Included in the Master exam, question #95 is annotated to include a change that was made during administration of the written exam. In the above list there are two (2) Hatch facility recommendations/comments regarding JPMs. There are NO post-examination comments from the applicants for the Hatch 2023-301 Written and Operating Exams.

These documents are sensitive and should not be released to the public until after our License Exam process has been completed.

If you have any questions regarding this letter, please contact Anthony Ball at (912) 453-2411, Derek Williams (912) 453-3838 or Charlie Edmund (912) 453-2836.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew R. Belcher", is written over a solid horizontal line.

Andrew R. Belcher
Training Director – Hatch