

Facility: <u>HOPE CREEK</u>		Date of Examination: <u>7/26/18</u>
Developed by: <u>Written</u> : Facility <input type="checkbox"/> NRC <input type="checkbox"/> // Operating Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-240	1. Examination administration date confirmed (C.1.a; C.2.a-b). For NRC-prepared exams, arrangements are made for the facility to submit reference materials (C.1.e; C.3.c; Attachment 3).	<i>P</i>
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f).	<i>P</i>
-210	3. Facility contact briefed on security and other requirements (C.2.c). As applicable, the facility contact submits to the NRC any prescreened K/As for elimination from the written examination outline, with a description of the facility's prescreening process (ES-401, D.1.b).	<i>P</i>
-210	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3).	<i>P</i>
-210	5. Corporate notification letter sent (C.2.e).	<i>P</i>
-195	6. NRC-developed written examination outline (ES-401-1/2 or ES-401N-1/2 and ES-401-3 or ES-401N-3) sent to facility contact (must be on the exam security agreement) (C.1.e-f; C.2.h; C.3.d-e).	N/A
-150	7. Operating test outline(s) and other checklists due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, and ES-D-1, as applicable (C.1.e-f; C.3.d-e).	<i>P</i>
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d-e).	<i>P</i>
-75	9. Proposed examinations (written, JPMs, and scenarios, as applicable) and outlines (Forms ES-301-1, ES-301-2, ES-D-1, ES-401-1/2 or ES-401N-1/2, and ES-401-3 or ES-401N-3); supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, ES-401-6, ES-401N-6, and any Form ES-201-2 and ES-201-3 updates); and reference materials due (C.1.e-h; C.3.d).	<i>P</i>
-75	10. Examinations prepared by the NRC are approved by the NRC supervisor and forwarded for facility licensee review (C.1.i; C.2.h; C.3.f-g).	<i>P</i>
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202).	<i>P</i>
-50	12. Written exam and operating test reviews completed (C.3.f).	<i>P</i>
-35	13. Examination review results discussed between the NRC and facility licensee (C.1.i; C.1.k-l; C.2.h; C.3.g). The NRC and the facility licensee conduct exam preparatory week.	<i>P</i>
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202).	<i>P</i>
-14	15. Final license applications and waiver/excusal requests, as applicable (NRC Form 398), due and Form ES-201-4 prepared (C.1.m; C.2.k; ES-202).	<i>P</i>
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j-k; C.3.h).	<i>P</i>
-7	17. Request facility licensee management feedback on the examination (C.2.l).	<i>P</i>
-7	18. Final applications reviewed; one or two (if more than 10) applications audited to confirm qualifications/eligibility; and examination approval and waiver/excusal letters sent (C.2.k; Attachment 5; ES-202, C.3.j; ES-204).	<i>P</i>
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k).	N/A
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i).	<i>P</i>

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

Facility: Hope Creek Generating Station		Date of Examination: 7/18/2018		
Item	Task Description §	Initials		
		a	b*	c**
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	N/A	N/A	N/A
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	N/A	N/A	N/A
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
	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).	N/A	N/A	N/A
3. W A L K T H R O U G H	a. Verify that the systems walkthrough outline meets the criteria specified on Form ES-301-2: (1) The outline(s) contains the required number of control room and in-plant tasks distributed among the safety functions as specified on the form. (2) Task repetition from the last two NRC examinations is within the limits specified on the form. (3) No tasks are duplicated from the applicant's audit test(s). (4) The number of new or modified tasks meets or exceeds the minimums specified on the form. (5) The number of alternate-path, low-power, emergency, and radiologically controlled area tasks meets the criteria on the form.	N/A	N/A	N/A
	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.	B	h	n
	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.	B	h	n
4. G E N E R A L	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	B	h	n
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	B	h	n
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	B	h	n
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	B	h	n
	e. Check the entire exam for balance of coverage.	B	h	n
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	B	h	n
Printed Name/Signature		Date		
a. Author	Paul BREIDENBACH	7/17/18		
b. Facility Reviewer (*)	J. M. WILSON	7/13/18		
c. NRC Chief Examiner (#)	J. M. WILSON	7/19/18		
d. NRC Supervisor	D.E. Jackson	7/23/18		
* Not applicable for NRC-prepared examination outlines.				
# The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.				

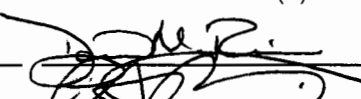

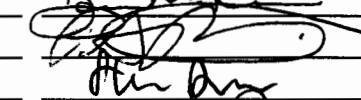
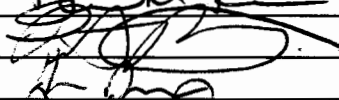
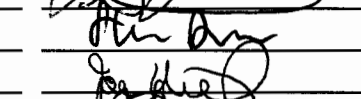
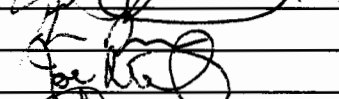
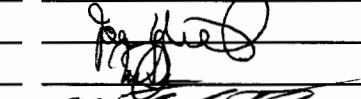
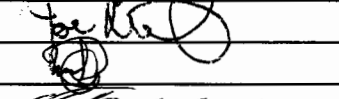

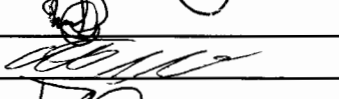
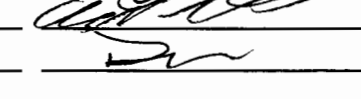
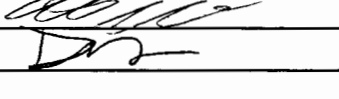
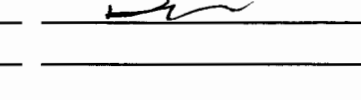
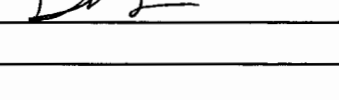

§ "Administrative Topics" of the Walkthrough portion of the Operating Test ONLY.

1. Pre-Examination**J. GRISCOM EXAM**

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 7/23/2018 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 7/23/2018. 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.	David M. Rein	Exam Writer		5/25/18		7/26/18	
2.	Paul Breidenbach	Exam Author		5/29/18		7/26/18	
3.	STEVE DENNIS	CFAM		6/21/18		7/30/18	
4.	Joseph Mills	Facility Exam Rep		6/24/18		8/28/18	
5.	MARK C. ROMAN	REACTOR OPERATOR		070518		080618	
6.	Anthony Itallano	RO		7-5-18		8-6-18	
7.	DAVID LARSON	NCO		7-26-18		8-20-18	
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

NOTES:

Facility:	Hope Creek Generating Station	Date of Examination:	7/18/2018	Operating Test Number:		
1. General Criteria				Initials		
				a	b*	c*
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).			X	h	2
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.			X	h	2
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).			X	h	2
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.			X	h	2
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.			X	h	2
2. Walkthrough Criteria				--	--	--
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>initial conditions</li> <li>initiating cues</li> <li>references and tools, including associated procedures</li> <li>reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>operationally important specific performance criteria that include— <ul style="list-style-type: none"> <li>detailed expected actions with exact criteria and nomenclature</li> <li>system response and other examiner cues</li> <li>statements describing important observations to be made by the applicant</li> <li>criteria for successful completion of the task</li> <li>identification of critical steps and their associated performance standards</li> <li>restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>			X	h	2
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.			X	h	2
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.				N/A	N/A	N/A
Printed Name/Signature				Date		
a.	Author	PAUL BREIDENBACH		7/17/18		
b.	Facility Reviewer (*)	J. M. VO / [Signature]		7/13/18		
c.	NRC Chief Examiner (#)	J. D'AMICO / [Signature]		7/19/18		
d.	NRC Supervisor	D.E. Jackson / [Signature]		7/23/18		
<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>						

**"Administrative Topics" of the Walkthrough portion of the Operating Test ONLY.**