

Facility: <u>Calvert Cliffs</u>		Date of Examination: <u>Jan. 2011</u>
Developed by: Written - 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
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	<i>[Handwritten initials]</i>
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	<i>[Handwritten initials]</i>
-120	3. Facility contact briefed on security and other requirements (C.2.c)	<i>[Handwritten initials]</i>
-120	4. Corporate notification letter sent (C.2.d)	<i>[Handwritten initials]</i>
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 3)]	<i>[Handwritten initials]</i>
{-75}	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	<i>[Handwritten initials]</i>
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	<i>[Handwritten initials]</i>
{-45}	8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6, and any Form ES-201-3 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	<i>[Handwritten initials]</i>
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	<i>[Handwritten initials]</i>
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	<i>[Handwritten initials]</i>
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	<i>[Handwritten initials]</i>
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	<i>[Handwritten initials]</i>
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	<i>[Handwritten initials]</i>
-7	14. Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 5; ES-202, C.2.e; ES-204)	<i>[Handwritten initials]</i>
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	<i>[Handwritten initials]</i>
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	<i>[Handwritten initials]</i>
<p>* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.                  [Applies only] {Does not apply} to examinations prepared by the NRC.</p>		

Facility: Calvert Cliffs		Date of Examination: January 2011		
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.	N/A	NA	NA
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	N/A	NA	NA
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	N/A	NA	NA
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	N/A	NA	NA
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	NR	NA
	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	NA	NA
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	N/A	NR	NA
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) 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 applicants' 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 RCA tasks meet the criteria on the form.	J	J	NA
	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	J	J	NA
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	N/A	NR	NA
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	J	J	NA
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	J	J	NA
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	J	J	NA
	d. Check for duplication and overlap among exam sections.	J	J	NA
	e. Check the entire exam for balance of coverage.	J	J	NA
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	J	J	NA
a. Author <u>Jeff Lofton</u> Printed Name/Signature b. Facility Reviewer (*) <u>R.C. JONES</u> c. NRC Chief Examiner (#) <u>David Silk</u> d. NRC Supervisor <u>Sam Hansell</u>		Date 11/11/2010 11-17-10 11/19/10 11/22/10		
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines				

1. Pre-Examination

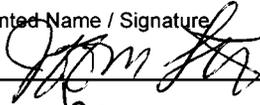
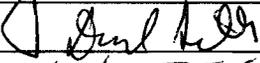
I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 1-17-2011 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC 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 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 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 1-17-2011. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. <u>JEFF LOFTON</u>	<u>EXAM DEVELOPER</u>	<u>[Signature]</u>	<u>10/19/10</u>	<u>[Signature]</u>	<u>1-20-11</u>
2. <u>NICK LAVATO</u>	<u>" "</u>	<u>[Signature]</u>	<u>10/19/10</u>	<u>[Signature]</u>	<u>1-20-11</u>
3. <u>CHRIS JONES</u>	<u>GS-OT</u>	<u>[Signature]</u>	<u>10-16-10</u>	<u>[Signature]</u>	<u>1/23/11</u>
4. <u>Scott Miller</u>	<u>EXAM VALIDATOR</u>	<u>[Signature]</u>	<u>12-2-10</u>	<u>[Signature]</u>	<u>1-26-11</u>
5. <u>John Singleton</u>	<u>Exam Validator</u>	<u>[Signature]</u>	<u>12/8/10</u>	<u>[Signature]</u>	<u>2/10/11</u>
6. <u>JP JACOBI</u>	<u>INSTRUCTOR</u>	<u>[Signature]</u>	<u>12-14-10</u>	<u>[Signature]</u>	<u>1-27-11</u>
7. <u>KERRY HUMMER</u>	<u>VALIDATION</u>	<u>[Signature]</u>	<u>1-3-11</u>	<u>[Signature]</u>	<u>2/1/11</u>
8. <u>Christopher Fiorano</u>	<u>VALIDATION</u>	<u>[Signature]</u>	<u>1-4-11</u>	<u>[Signature]</u>	<u>1/31/11</u>
9. <u>Michael Saul</u>	<u>Validation</u>	<u>[Signature]</u>	<u>1/4/11</u>	<u>[Signature]</u>	<u>1/28/11</u>
10. <u>PAUL RETURNO</u>	<u>VALIDATION</u>	<u>[Signature]</u>	<u>1-5-11</u>	<u>[Signature]</u>	<u>1/2/11</u>
11. <u>CHARLOS IURKOV</u>	<u>ALL THE MAN</u>	<u>[Signature]</u>	<u>1-19-11</u>	<u>[Signature]</u>	<u>1/27/2011</u>
12. <u>Joseph Shultz</u>	<u>Head of Sinsup</u>	<u>[Signature]</u>	<u>1-19-11</u>	<u>[Signature]</u>	<u>1/27/2011</u>
13. <u>Mike Wade</u>	<u>Head of Wade - Supervisor</u>	<u>[Signature]</u>	<u>1/25/11</u>	<u>[Signature]</u>	<u>2/2/2011</u>
14. _____	_____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____	_____

NOTES:

Facility: Calvert Cliffs		Date of Examination: Jan. 2011		Operating Test Number: 2011	
1. General Criteria		Initials			
		a	b*	c#	
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	J	J	W	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	N/A	NA	NA	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	J	J	W	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	N/A	NA	NA	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	J	J	W	
2. Walk-Through 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>	J	J	W	
b.	Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	J	J	W	
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	NA	NA	
Printed Name / Signature		Date			
a. Author	Jeff Lofton 	11/11/2010			
b. Facility Reviewer(*)	Chris Jones 	1-6-11			
c. NRC Chief Examiner (#)	David Silk 	1/20/11			
d. NRC Supervisor	Sam Hansell / 	1/11/11			
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					