

Facility: <u>SUSQUEHANNA</u>		Date of Examination: <u>5/10/17</u>
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // <u>N/A</u> Operating Facility <input 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)	F
-150	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	F
-150	3. Facility contact briefed on security and other requirements (C.2.c)	F
-150	4. Corporate notification letter sent (C.2.d)	F
[-120]	5. Reference material due (C.1.e; C.3.c; Attachment 3)	F
{-90}	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, ES-401-1/2, ES-401N-1/2, ES-401-3, ES-401N-3, ES-401-4, and ES-401N-4, as applicable (C.1.e and f; C.3.d)	F
{-85}	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	F
{-60}	8. Proposed examinations (including written, <del>walk through JPMs, and scenarios</del> , as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6, ES-401N-6, and any Form ES-201-2, ES-201-3, ES-301-1, or ES-301-2 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	F
-45	9. Written exam <del>and operating test</del> reviews completed. (C.3.f)	F
-30	10. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	F
-21	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	F
-21	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	F
-14	13. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	F
-14	14. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	F
-7	15. Facility licensee management queried regarding the licensee's views on the examination. (C.2.j)	F
-7	16. 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)	F
-7	17. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	F
-7	18. Approved <del>scenarios, job performance measures</del> , and questions distributed to NRC examiners (C.3.i)	F
<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: Susquehanna		Date of Examination: 05/10/17		
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.	TRH	⊗	BF
	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.	TRH	⊗	BF
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	TRH	⊗	BF
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	TRH	⊗	BF
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	BF
	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	BF
	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	N/A	BF
3. W A L K T H R O U G H	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.	N/A	N/A	BF
	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	N/A	N/A	BF
	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	N/A	BF
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.	TRH	⊗	BF
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	TRH	⊗	BF
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	TRH	⊗	BF
	d. Check for duplication and overlap among exam sections.	TRH	⊗	BF
	e. Check the entire exam for balance of coverage.	TRH	⊗	BF
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	TRH	⊗	BF
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Supervisor		Printed Name/Signature Tom Hooper / <u>TRH</u> William Gilbert / <u>WG</u> Brian Fuller / <u>Brian Fuller</u> Donald Jackson / <u>Donald Jackson</u>		Date 3/29/17 3/29/17 5/2/17 5/2/17
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 May 6, 2017 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 5/8/17. 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. Tom Hooper	Exam writer	<i>Tom Hooper</i>	1/11/17	<i>Tom Hooper</i>	5/17/17	2
2. William G. Borch	OPS Training Manager	<i>William G. Borch</i>	3/7/17	<i>William G. Borch</i>	5/10/17	
3. Ailise Seibert	Unit Supervisor	<i>Ailise Seibert</i>	3/7/17	<i>Ailise Seibert</i>	5/14/17	
4. Greg van den Berg	Simulator Instructor	<i>Greg van den Berg</i>	3/7/17	<i>Greg van den Berg</i>	5/11/17	
5. A. Bore	Unit Supervisor	<i>A. Bore</i>	3/8/17	<i>A. Bore</i>	5/11/17	
6. Nisa Wauson	TSM	<i>Nisa Wauson</i>	3/6/17	<i>Nisa Wauson</i>	5/14/17	
7. CHAD HOSRICH	SIM ENGINEER	<i>Chad Hosrich</i>	3/27/17	<i>Chad Hosrich</i>	5/17/17	
8. Chuck Hess	UNIT SUPERVISOR/PCO	<i>Chuck Hess</i>	3/28/17	<i>Chuck Hess</i>	5/15/17	
9. DAVID FROST	UNIT SUPERVISOR	<i>David Frost</i>	5/30/17	<i>David Frost</i>	5/17/17	2
10. Robert P. Bingham	OPCAT	<i>Robert P. Bingham</i>	3/30/17	<i>Robert P. Bingham</i>	5/17/17	
11. Matt Derden	PCO	<i>Matt Derden</i>	3/30/17	<i>Matt Derden</i>	5/11/17	1
12. Patrick Bore	PCO	<i>Patrick Bore</i>	3/31/17	<i>Patrick Bore</i>	5/13/17	1
13. KEVIN KLINE	PCO	<i>Kevin Kline</i>	4/3/17	<i>Kevin Kline</i>	5/11/17	1
14. John Snyder	US	<i>John Snyder</i>	4/8/17	<i>John Snyder</i>	5/23/17	1
15. Bob Saydel	PCO	<i>Bob Saydel</i>	4/24/17	<i>Bob Saydel</i>	5/11/17	1

NOTES: 1. Post Exam acknowledgement received via email voting button. (see attached message)  
 2. Post Exam acknowledgement received via tele-con.

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1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of May 8, 2017 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

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Shawn Snyder</u>	<u>RLO</u>	<u>[Signature]</u>	<u>5/2/17</u>	<u>MR</u>	<u>5/17/17</u>	<u>1</u>
2. <u>Michael Wilcox</u>	<u>ILO LEAD / SCHEDULE</u>	<u>[Signature]</u>	<u>5/10/17</u>	<u>[Signature]</u>	<u>5-11-17</u>	
3. <u>Andrew Rodgers</u>	<u>OTM</u>	<u>[Signature]</u>	<u>5/10/17</u>	<u>[Signature]</u>	<u>5/15/17</u>	
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Facility: Susquehanna Date of Exam: 5/16/17 Exam Level: RO  SRO

Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	G.V.	[Signature]	F
2. Answer key changes and question deletions justified and documented	N/A	NA	N/A
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	G.V.	[Signature]	F
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	N/A	NA	N/A
5. All other failing examinations checked to ensure that grades are justified	N/A	NA	N/A
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	G.V.	[Signature]	

	Printed Name/Signature	Date
a. Grader	<u>Greg vanden Berg / [Signature]</u>	<u>5/10/17</u>
b. Facility Reviewer(*)	<u>Chuck Hess / [Signature]</u>	<u>5/16/17</u>
c. NRC Chief Examiner (*)	<u>Brian Fuller / [Signature]</u>	<u>5/18/2017</u>
d. NRC Supervisor (*)	<u>DONALD Jackson / [Signature]</u>	<u>5/18/2017</u>

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