

Facility: Three Mile Island

Date of Examination: 4/12/10

Examinations Developed by: Facility / NRC (circle one)

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 2)]	<i>[Handwritten Initials]</i>
-75 <i>5/3</i>	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 <i>6/7</i>	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	<i>[Handwritten Initials]</i>
-45 <i>4/7</i>	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 reference materials due (C.1.e, f, g and h; C.3.d)	<i>[Handwritten Initials]</i>
-30 <i>4/29</i>	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; examination approval and waiver letters sent (C.2.i; Attachment 4; 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>

* Target dates 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 to examinations prepared by the NRC.

[Handwritten notes and signatures on the left margin, including a large 'X' and various initials]

Facility: <u>THREE MILES ISLAND</u>		Date of Examination: <u>04/12/2010</u>		
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.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	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.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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	<i>[Signature]</i>
	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	<i>[Signature]</i>
	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	<i>[Signature]</i>
3. W I 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.	N/A	N/A	<i>[Signature]</i>
	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	<i>[Signature]</i>
	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	<i>[Signature]</i>
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.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	d. Check for duplication and overlap among exam sections.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	e. Check the entire exam for balance of coverage.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
a. Author <u><i>[Signature]</i></u> Printed Name/Signature _____ Date <u>01/06/10</u> b. Facility Reviewer (*) <u><i>[Signature]</i></u> _____ <u>1/6/10</u> c. NRC Chief Examiner (#) <u><i>[Signature]</i></u> _____ <u>1/14/10</u> d. NRC Supervisor <u><i>[Signature]</i></u> _____ <u>1/17/10</u>				
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 4/12/10* 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 4/12/10. 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. GREGORY R. HOEK	INSTRUCTOR SENIOR (AUTHOR)	<i>Gregory R. Hoek</i>	10/22/09	<i>Gregory R. Hoek</i>	4/13/10
2. Bill WARD	OTIS	<i>Bill W. Ward</i>	11/5/09	<i>G. Hoek for B. Ward</i>	4/13/10
3. CRAIG SMITH	SRO / FACILITY REP	<i>Craig Smith</i>	12/28/09	<i>Craig Smith</i>	4/13/10
4. Tara Snyder	CRO	<i>Tara Snyder</i>	1/29/10	<i>Tara Snyder</i>	4/14/10
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① PER TEL-CON 4/15/10 JAW

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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 4/12/10 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 4/12/10. 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
Brian Bowers	CRO	Brian Bowers	1-28-10	Brian Bowers	4-13-10
Doug A. S. Gorse	CRO	Doug A. S. Gorse	1-28-10	Doug A. S. Gorse	4-13-10
Robert R. Brady	SRO	Robert R. Brady	2-12-10	Robert R. Brady	4-13-10
JAMES PHILLES	SRO	JAMES PHILLES	2-12-10	JAMES PHILLES	4-13-10
J. M. HOKE	CRO	J. M. HOKE	2-12-10	J. M. HOKE	4-13-10
HUGH BLUNT	CRO	HUGH BLUNT	2-12-10	HUGH BLUNT	4-13-10
GERALD BECKY	SRO	GERALD BECKY	2-22-10	GERALD BECKY	4-15-10
Robert Murray	CRO	Robert Murray	2-22-10	Robert Murray	4-15-10
DAVID WILLIAMS	CRO	DAVID WILLIAMS	2-22-10	DAVID WILLIAMS	4-15-10
TERRY FUND	TRAINING INST / SRO	TERRY FUND	4-12-10	TERRY FUND	4-13-10
Doug A. S. Gorse					

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ES-201 Examination Security Agreement Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 4/12/10 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 _____. 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.

Table with columns: PRINTED NAME, JOB TITLE / RESPONSIBILITY, SIGNATURE (1), DATE, SIGNATURE (2), DATE NOTE. Includes entries for David Lazarow, Ken Arsenault, Joseph Hosenbery, and James K. Lloyd.

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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 4/12/10 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 4/12/10. 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 Lazarus	Exam Developer	<i>[Signature]</i>	10/12/09	<i>[Signature]</i>	4/16/10
2. Ken Arsenault	CONSULTANT	<i>[Signature]</i>	10/12/09		
3. Joseph Arsenault	REVIEWER	<i>[Signature]</i>	10/12/09		
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Facility: <u>THREE MILE ISLAND</u>		Date of Exam: <u>4/12/10</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		
Item Description	Initial			a	b*	c*
	a	b*	c*			
1. Questions and answers are technically accurate and applicable to the facility.				<u>2/2/2</u>	<u>ll</u>	<u>2</u>
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.				<u>2/2/2</u>	<u>ll</u>	<u>2</u>
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401				<u>N/A</u>	<u>N/A</u>	<u>0</u>
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).						<u>2</u>
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: ___ the audit exam was systematically and randomly developed; or ___ the audit exam was completed before the license exam was started; or ___ the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or ___ other (explain)				<u>2/2/2</u>	<u>ll</u>	<u>2</u>
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New	<u>2/2/2</u>	<u>ll</u>	<u>0</u>
	<u>17 1MA</u>	<u>12 1MA</u>	<u>46 1MA</u>			
7. Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory	CIA		<u>2/2/2</u>	<u>ll</u>	<u>2</u>
	<u>31 1MA</u>	<u>44 1MA</u>				
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				<u>2/2/2</u>	<u>ll</u>	<u>1</u>
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.				<u>2/2/2</u>	<u>ll</u>	<u>2</u>
10. Question psychometric quality and format meet the guidelines in ES Appendix B.				<u>2/2/2</u>	<u>ll</u>	<u>2</u>
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.				<u>2/2/2</u>	<u>ll</u>	<u>2</u>
Printed Name / Signature				Date		
a. Author	<u>GREGORY R. HOEK / Sam Hansell G. Hoek</u>			<u>2/24/10</u>		
b. Facility Reviewer (*)	<u>CRAIG W. SMITH / C. W. Smith</u>			<u>2/24/10</u>		
c. NRC Chief Examiner (#)	<u>J. D. ... / J. D. ...</u>			<u>2-8-10</u>		
d. NRC Regional Supervisor	<u>Sam Hansell / S. Hansell</u>			<u>3/19/10</u>		
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.						

Facility: <u>Three Mile Island</u>		Date of Exam: <u>4/13/10</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		
2. Answer key changes and question deletions justified and documented	N/A	MA	-		
3. Applicants' scores checked for addition errors (reviewers spot check >25% of examinations)	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		
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	MA	-		
5. All other failing examinations checked to ensure that grades are justified	N/A	MA	-		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		
Printed Name / Signature		Date			
a. Author	<u>Gregory R. Hoek</u> <i>[Signature]</i>	<u>4/15/10</u>			
b. Facility Reviewer(*)	<u>Craig Smith</u> <i>[Signature]</i>	<u>4/16/10</u>			
c. NRC Chief Examiner(*)	<u>J. DANFORD</u> <i>[Signature]</i>	<u>4/23/10</u>			
d. NRC Supervisor(*)	<u>Sam Hansell</u> <i>[Signature]</i>	<u>4/23/10</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					