

Facility: SUSA Date of Examination: 12/10-18/07 OP
 Developed by: Written - Facility NRC // Operating - Facility NRC 12/7/07 WRITTEN

Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	JM
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	JM
-120	3. Facility contact briefed on security and other requirements (C.2.c)	JM
-120	4. Corporate notification letter sent (C.2.d)	JM
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	JM
{-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)	JM
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	JM
{-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)	JM
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	JM
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	JM
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	JM
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	JM
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	JM
-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 4; ES-202, C.2.e; ES-204)	JM
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	JM
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	JM

* 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.

Facility: SSES		Date of Examination: December 10, 2007 (Rev. 0)		
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 per ES-401.	Fwo	RMP	JM
	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.	Fwo	RMP	JM
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	Fwo	RMP	JM
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	Fwo	RMP	JM
2. S I M	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.	Fwo	RMP	JM
	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 applicant's audit test(s), and scenarios will not be repeated on subsequent days.	Fwo	RMP	JM
	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.	Fwo	RMP	JM
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 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 RCA tasks meet the criteria on the form.	Fwo	RMP	JM
	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.	Fwo	RMP	JM
	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.	Fwo	RMP	JM
	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	Fwo	RMP	JM
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	Fwo	RMP	JM
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	Fwo	RMP	JM
4. G E N E R A L	d. Check for duplication and overlap among exam sections.	Fwo	RMP	JM
	e. Check the entire exam for balance of coverage.	Fwo	RMP	JM
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	Fwo	RMP	JM
		Fwo	RMP	JM

	Printed Name / Signature	Date
a. Author (1)	<u>F.W. OLSEN / F.W. OLSEN</u>	<u>9/14/07</u>
b. Facility Reviewer (*)	<u>RMP / RMP</u>	<u>9/17/07</u>
c. NRC Chief Examiner (#)	<u>J. LARSON / J. LARSON</u>	<u>10/4/07</u>
d. NRC Supervisor	<u>MARVIN D. SYKES / MARVIN D. SYKES</u>	<u>10/5/07</u>

Note: # Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.

1 - Co-author on Written Exam, see attached facsimile.

1. Pre-Examination

Susquehanna
2007

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 12/10-12/17 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

*12/7/07 written

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 12/10-17/07. 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. Richard J. Brooks	EXAM COORDINATOR/LEAD DEVELOPER	[Signature]	3/28/07	(3)	1/9/08	
2. CAROL A. BURKHART	DATA BASE ADMINISTRATOR	[Signature]	3/28/07	[Signature]	1-9-08	
3. Frederick W. Chiles	Exam Coordinator	[Signature]	4/8/08	F.W. Chiles	12/19/07	
4. Chuck Hess	EXAM DEVELOPER-LDR	[Signature]	5/7/07	(1)	1/5/08	
5. JARVIN DUTTON	UNIT SUPERVISOR/EXAM DEVELOPMENT	[Signature]	06/05/07	(2)	1/9/08	
6. CLYDE DODGE	SIMULATOR LEAD	[Signature]	6/11/07	[Signature]	1/3/08	
7. SCOTT DIEFFENBACHER	Simulator Support	[Signature]	6/15/07	[Signature]	12/19/07	
8. John Capozzoli	COMPUTER SYSTEM ANALYST/SW	[Signature]	6-16-07	[Signature]	1-4-08	
9. Don Krupp	Simulator Support	[Signature]	7-8-07	[Signature]	12/20/07	
10. Vicky A. Horvat	CLERICAL SUPPORT	[Signature]	07/24/07	[Signature]	12/19/07	
11. R.M. PEAL	TRNG MGR	[Signature]	8/14/07	[Signature]	12/19/07	
12. Robert Boesch	OPS Training Supv	[Signature]	9/27/07	[Signature]	12/19/07	
13. STEPHEN L. HUFF	OPS	[Signature]	10/4/07	[Signature]	12/26/07	
14. DOUGLAS F. SUTLER	Unit Supervisor/validation	[Signature]	10/4/07	[Signature]	12/26/07	
15. JOSEPH A. BROCHUS	PLC/VALIDATION	[Signature]	10/4/07	[Signature]	12/26/07	

NOTES: (1) F. Chiles for C. Hess per telecon
 (2) F. Chiles for D. Dutton per telecon
 (3) F. Chiles for R. Brooks per telecon

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 12/10-12/17 2007 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.

12/7/07 written
12/10-12/17 2007

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 12/10-17/2007. 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.

12/7/07 written
12/10/07, 12/17/07 operating exam

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Robert P. Bingman	Unit Supervisor - SRO	<i>Robert P. Bingman</i>	10/4/07	<i>R.P. Bingman</i>	12/26/07	
2. Scott Cawley	Plant Control Operator - RO	<i>Scott A. Cawley</i>	10/8/07	<i>Scott A. Cawley</i>	1/7/08	
3. STEVE KOCH	UNIT SUPV. - SRO	<i>Steve Koch</i>	10/8/07	<i>Steve Koch</i>	1/7/08	
4. Christopher Michaels	Developer	<i>Christopher Michaels</i>	10/16/07	<i>Christopher Michaels</i>	12/18/07	
5. MARK WOZINSKI	PCO - RO	<i>Mark Wozinski</i>	10/24/07	<i>Mark Wozinski</i>	12/26/07	
6. Doug LaMarca	UNIT GUV - SRO	<i>Doug LaMarca</i>	10/24/07	①	1/9/08	
7. PAUL MORAN	SIMULATOR INSTRUCTOR	<i>Paul Moran</i>	10/31/07	<i>Paul Moran</i>	12/27/07	
8. PAUL HORNBECK	PCO - RO	<i>Paul Hornbeck</i>	11/13/07	<i>Paul Hornbeck</i>	12/19/07	
9. Thomas Ray	Unit Supervisor - SRO	<i>Thomas Ray</i>	11/14/07	②	1/10/08	
10. PETER BROWN	PCO - RO	<i>Peter Brown</i>	11/14/07	<i>Peter Brown</i>	2/19/07	
11. Patrick Bone	PCO - RO	<i>Patrick Bone</i>	11/14/07	<i>Patrick Bone</i>	12/19/07	
12. Nancy Kramer	Clerk/Student	<i>Nancy Kramer</i>	11/20/07	<i>Nancy Kramer</i>	12/19/07	
13. CUFFINIA WILSON	SIMULATOR INSTRUCTOR	<i>Cuffinia Wilson</i>	12/5/07	<i>Cuffinia Wilson</i>	12/19/07	
14. ROBERT PUDISH	SIMULATOR INSTRUCTOR	<i>Robert Pudish</i>	12/6/07	<i>Robert Pudish</i>	12/29/07	
15. Jim Bleistein	SIMULATOR INSTRUCTOR	<i>Jim Bleistein</i>	12/10/07	<i>Jim Bleistein</i>	12/19/07	

NOTES: ① per telecon, Doug LaMarca to Bob Boesch 9/21/08 1/10/08
② per telecon, Thom Ray to Bob Boesch 9/21/08 1/10/08

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 12/10/07 - 12/11/07 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 12/10 - 12/11/07. 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>AMIE WEISS</u>	<u>Sequester</u>	<u>[Signature]</u>	<u>12-10-07</u>	<u>Jamie Weiss</u>	<u>12/19/07</u>	
2. <u>Russell B DeVore</u>	<u>Escort</u>	<u>[Signature]</u>	<u>12/10/07</u>	<u>Russell B DeVore</u>	<u>12/18/07</u>	
3. <u>Thomas P. Coates</u>	<u>Escort</u>	<u>[Signature]</u>	<u>12-10-07</u>	<u>Thomas P. Coates</u>	<u>12-19-07</u>	
4. <u>Russ HALL</u>	<u>Sim #40</u>	<u>[Signature]</u>	<u>12/10/07</u>	<u>[Signature]</u>	<u>12/18/07</u>	
5. <u>Kenneth P Klass</u>	<u>ESCORT & SIM</u>	<u>[Signature]</u>	<u>12/10/07</u>	<u>[Signature]</u>	<u>12/19/07</u>	
6. <u>Ronald M. Fry</u>	<u>Training / OPS Mgmt Oversight</u>	<u>[Signature]</u>	<u>12/11/07</u>	<u>Ronald M Fry</u>	<u>12/19/07</u>	
7. <u>Pamela J Engel</u>	<u>Computer group support</u>	<u>[Signature]</u>	<u>12/12/07</u>	<u>Pamela J Engel</u>	<u>12/21/07</u>	
8. <u>Richard E Klinefelter</u>	<u>OPS Shift MGR</u>	<u>[Signature]</u>	<u>12/12/07</u>	<u>[Signature]</u>	<u>12/26/07</u>	
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NOTES:

Susannah

ES-201

Examination Security Agreement

F

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of _____ as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any person not authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not receive training content or provide direct or indirect feedback. Furthermore, I am aware of the physical security measures and requirements documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in the suspension of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility manager or chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

*12/7/07 written exam
12/10/07, 12/17/07 operating exam*

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examination administered during the week(s) of *12/7, 12/10/07*. From the date that I entered into this security agreement until the completion of the examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these examinations, except as specifically noted below and authorized by the NRC.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	
1.	<i>JOSEPH ARSENAULT</i>	<i>DEVELOPER/REVIEWER</i>	<i>[Signature]</i>	<i>5/24/07</i>	<i>(2)</i>	
2.	<i>STEVEN DENNIS</i>	<i>DEVELOPER</i>	<i>[Signature]</i>	<i>5/25/07</i>	<i>(1)</i>	
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NOTES:

- ① *F. Ollan* - *Dennis* per telecon *12/19/07*
- ② *F. Ollan* for *J. Arsenault* per telecon *12/19/07*

Facility: **SSES**

Date of Examination: **12/10/07**

Operating Test Number: LOC-22 NRC

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).	<i>cu</i>	<i>RMP</i>	<i>JM</i>
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<i>cu</i>	<i>RMP</i>	<i>JM</i>
c. The operating test shall not duplicate items from the applicants audit test(s)(see Section D.1.a).	<i>cu</i>	<i>RMP</i>	<i>JM</i>
d. Overlap with the written examination and between different parts of the operating test is within acceptable limits.	<i>cu</i>	<i>RMP</i>	<i>JM</i>
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<i>cu</i>	<i>RMP</i>	<i>JM</i>

2. WALK-THROUGH CRITERIA

a. Each JPM includes the following, as applicable: <ul style="list-style-type: none"> initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee operationally important specific performance criteria that include: <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 task identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	<i>cu</i>	<i>RMP</i>	<i>JM</i>
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.	<i>cu</i>	<i>RMP</i>	<i>JM</i>

3. SIMULATOR CRITERIA

a. The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	<i>cu</i>	<i>RMP</i>	<i>JM</i>
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	Printed Name / Signature	Date
a. Author	<i>Christopher Michaels</i>	<i>11/29/07</i>
b. Facility Reviewer (*)	<i>ROBERT M. PEAL</i>	<i>11/29/07</i>
c. NRC Chief Examiner (#)	<i>JOHN CAMISO</i>	<i>11/30/07</i>
d. NRC Supervisor	<i>MARLIN SYKES</i>	<i>11/30/07</i>

NOTE: • The facility signature is not applicable for NRC-developed tests.
 # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.

Facility:	SSES	Date of Exam:	12/10/2007	Scenario Numbers:	ILO-402 / 302A	Operating Test No.:	LOC-22 NRC	
QUALITATIVE ATTRIBUTES						Initials		
						a	b*	c#
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.			an	RLP	JM		
2.	The scenarios consist mostly of related events.			an	RLP	JM		
3.	Each event description consists of <ul style="list-style-type: none"> • the point in the scenario when it is to be initiated • the malfunction(s) 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) 			an	RLP	JM		
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.			an	RLP	JM		
5.	The events are valid with regard to physics and thermodynamics.			an	RLP	JM		
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			an	RLP	JM		
7.	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.			an	RLP	JM		
8.	The simulator modeling is not altered.			an	RLP	JM		
9.	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.			an	RLP	JM		
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.5 of ES-301.			an	RLP	JM		
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			an	RLP	JM		
12.	Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).			an	RLP	JM		
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.			an	RLP	JM		
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.5.d)				Actual Attributes				
1.	Total malfunctions (5-8)			8	1	6	1	
2.	Malfunctions after EOP entry (1-2)			2	1	2	1	
3.	Abnormal events (2-4)			4	1	2	1	
4.	Major transients (1-2)			2	1	2	1	
5.	EOPs entered/requiring substantive actions (1-2)			2	1	2	1	
6.	EOP contingencies requiring substantive actions (0-2)			0	1	1	1	
7.	Critical tasks (2-3)			3	1	2	1	

Angela 11/29/07
RLP 11/29/07
 Susquehanna

Facility: **SSES** Date of Exam: 12/10/2007 Scenario Numbers: **ILO-604 / 503A/ 502A** Operating Test No.: **LOC-22 NRC**

QUALITATIVE ATTRIBUTES		Initials		
		a	b*	c#
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.	cu	REP	JH
2.	The scenarios consist mostly of related events.	cu	REP	JH
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) 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) 	cu	REP	JH
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.	cu	REP	JH
5.	The events are valid with regard to physics and thermodynamics.	cu	REP	JH
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	cu	REP	JH
7.	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.	cu	REP	JH
8.	The simulator modeling is not altered.	cu	REP	JH
9.	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.	cu	REP	JH
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.5 of ES-301.	cu	REP	JH
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	cu	REP	JH
12.	Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).	cu	REP	JH
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	cu	REP	JH
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.5.d)		Actual Attributes		
1.	Total malfunctions (5-8)	6	6	7
2.	Malfunctions after EOP entry (1-2)	2	2	2
3.	Abnormal events (2-4)	2	3	2
4.	Major transients (1-2)	2	2	2
5.	EOPs entered/requiring substantive actions (1-2)	2	2	2
6.	EOP contingencies requiring substantive actions (0-2)	1	1	1
7.	Critical tasks (2-3)	3	2	3

cu
REP 11/29/07

Facility: SSES		Date of Exam: 12/10/2007									Operating Test No.: 1						
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M (*)		
		1			2			3			4						
		CREW P O S I T I O N			CREW P O S I T I O N			CREW P O S I T I O N			CREW P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
												R	I	U			
RO ■ 1,5,7,12	RX		3											1	1	1	0
	NOR						3							1	1	1	1
	I/C		4,8				1,6,7, 10							6	4	4	2
	MAJ		6,10				5,8, 10,11							6	2	2	1
	TS													0	0	2	2
RO ■ 4,10,11	RX					4								1	1	1	0
	NOR					3								1	1	1	1
	I/C			5,8,9		1,2,4								6	4	4	2
	MAJ			6,10		5,8, 10,11								6	2	2	1
	TS													0	0	2	2
RO ■ 6,9	RX							4						1	1	1	0
	NOR							3					3,4	3	1	1	1
	I/C							1,5, 7,10					1,6, 8,10, .11	9	4	4	2
	MAJ							8,11					9,11	4	2	2	1
	TS													0	0	2	2
RO ■ 3,8	RX										4			1	1	1	0
	NOR									3		3,4		3	1	1	1
	I/C									2,5,7, 9,10		5,7,8, 11		9	4	4	2
	MAJ									8,11		9,11		4	2	2	1
	TS													0	0	2	2

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Facility: SSES		Date of Exam: 12/10/2007										Operating Test No.: 1					
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M (*)		
		1			2			3			4						
		CREW P O S I T I O N			CREW P O S I T I O N			CREW P O S I T I O N			CREW P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
												R	I	U			
RO-2 ■	RX					4								1	1	1	0
	NOR					3					3			2	1	1	1
	I/C			5,8,9		1,2,4					2,5,7, 9,10			11	4	4	2
	MAJ			6,10		5,8, 10,11					8,11			8	2	2	1
	TS														0	2	2
SRO-I-1 ■	RX	3				4				4				3	1	1	0
	NOR					3				3				2	1	1	1
	I/C	1,4,5, 7,8, 9				1,2,4, 6,7,9, 10				1,5, 7,10				17	4	4	2
	MAJ	6,10				5,8, 10,11				8,11				8	2	2	1
	TS	1,5				1,2,4								5	0	2	2
■	RX																
	NOR																
	I/C																
	MAJ																
	TS																
SRO-U-1 ■	RX								4				4	2	1	1	0
	NOR								3				3,4	3	1	1	1
	I/C								1,2,5, 6,7,9, 10				1,2,5,6, 7,8,10, .11	15	4	4	2
	MAJ								8,11				9,11	4	2	2	1
	TS								1,5,6				2,5,6	6	0	2	2
SRO-U-2 ■	RX	3				4								2	1	1	0
	NOR					3								1	1	1	1
	I/C	1,4,5, 7,8, 9				1,2,3, 4,6,7, 9,10								14	4	4	2
	MAJ	6,10				5,8, 10,11								6	2	2	1
	TS	1,5				1,2,4								5	0	2	2

Instructions:

1. Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Facility: SSES		Date of Examination: 12/10/07								Operating Test No.: LOC-22 NRC								
Competencies	APPLICANTS																	
	RO#1 <input checked="" type="checkbox"/>				RO#2 <input checked="" type="checkbox"/>				RO#3 <input checked="" type="checkbox"/>				RO#4 <input checked="" type="checkbox"/>					
	ILO-604 / ILO-503A				ILO-604 / ILO-503A /ILO-502A				ILO-502A / ILO-402				ILO-604 / ILO-503A					
	SCENARIO				SCENARIO				SCENARIO				SCENARIO					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Interpret/Diagnosis Events and Conditions	4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11			4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,5, 6,7 ,8, 9, 10, 11					1,2 ,5, 6,7 ,8, 9, 10, 11	1,2 ,5, 6,7 ,8, 9, 10, 11	4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11			
Comply With and Use Procedures (1)	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11			1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 3,4 5,6 7,8 9,1 0	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11			
Operate Control Boards (2)	2,3 ,4, 5,6 ,8, 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11			2,3 ,4, 5,6 ,8, 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,3 ,4, 5,6 ,7, 8,9 ,10 ,11	2,3 4,5 6,8 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11			
Communicate and Interact	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11			1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 3,4 5,6 7,8 9,1 0	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11			
Demonstrate Supervisory Ability (3)																		
Comply With and Use Tech. Specs. (3)																		

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Instructions:

Check the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility: SSES		Date of Examination: 12/10/07								Operating Test No.:LOC-22 NRC							
Competencies	APPLICANTS																
	RO#5 <input checked="" type="checkbox"/>				RO#6 <input checked="" type="checkbox"/>				RO#7 <input checked="" type="checkbox"/>				RO#8 <input checked="" type="checkbox"/>				
	ILO-604 / ILO-503A				ILO-502A/ILO-402				ILO-604 /ILO-503A				ILO-502A/ILO-402				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Interpret/Diagnosis Events and Conditions	4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,5, 6,7 ,8, 9, 10, 11	1,2 ,5, 6,7 ,8, 9, 10, 11	4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,5, 6,7 ,8, 9, 10, 11	1,2 ,5, 6,7 ,8, 9, 10, 11	
Comply With and Use Procedures (1)	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	
Operate Control Boards (2)	2,3 ,4, 5,6 ,8, 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,3 ,4, 5,6 ,7, 8,9 ,10 ,11	2,3 ,4, 5,6 ,8, 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,3 ,4, 5,6 ,7, 8,9 ,10 ,11	
Communicate and Interact	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11					1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	
Demonstrate Supervisory Ability (3)																	
Comply With and Use Tech. Specs. (3)																	

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Instructions:

Check the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility: SSES		Date of Examination: 12/10/07								Operating Test No.:LOC-22 NRC							
Competencies	APPLICANTS																
	RO#9 <input checked="" type="checkbox"/>				RO#10 <input checked="" type="checkbox"/>				RO#11 <input checked="" type="checkbox"/>				RO#12 <input checked="" type="checkbox"/>				
	ILO-502A/ILO-402				ILO-604 / ILO-503A				ILO-604 / ILO-503A				ILO-604 / ILO-503A				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Interpret/Diagnosis Events and Conditions			1,2 .5, 6,7 .8, 9, 10, 11	1,2 .5, 6,7 .8, 9, 10, 11	4,6 8, 10	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			4,6 8, 10	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			4,6 8, 10	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			
Comply With and Use Procedures (1)			1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			1,2 3,4 5,6 7,8 9,1 0	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			
Operate Control Boards (2)			1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,3 .4, 5,6 .7, 8,9 .10, 11	2,3 .4, 5,6 .8, 9, 10	1,2 .4, 5,6 .7, 8,9 .10, 11			2,3 .4, 5,6 .8, 9, 10	1,2 .4, 5,6 .7, 8,9 .10, 11			2,3 4,5 6,8 9, 10	1,2 .4, 5,6 .7, 8,9 .10, 11			
Communicate and Interact			1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			1,2 .3, 4,5 .6, 7,8 .9, 10, 11	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			1,2 3,4 5,6 7,8 9,1 0	1,2 .3, 4,5 .6, 7,8 .9, 10, 11			
Demonstrate Supervisory Ability (3)																	
Comply With and Use Tech. Specs. (3)																	

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Instructions:

Check the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility: SSES		Date of Examination: 12/10/07								Operating Test No.:LOC-22 NRC							
Competencies	APPLICANTS																
	SROI #1 <input checked="" type="checkbox"/>				SROU #1 <input checked="" type="checkbox"/>				SROU #2 <input checked="" type="checkbox"/>								
	ILO-604/ILO-503A / ILO-502A				ILO-502A / ILO-402				ILO-604 / ILO-503A								
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Interpret/Diagnosis Events and Conditions	4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,5, 6,7 ,8, 9, 10, 11				1,2 ,5, 6,7 ,8, 9, 10, 11	1,2 ,5, 6,7 ,8, 9, 10, 11	4,6 8, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11							
Comply With and Use Procedures (1)	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11				1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11							
Operate Control Boards (2)	2,3 ,4, 5,6 ,8, 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11				1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,3 ,4, 5,6 ,7, 8,9 ,10 ,11	2,3 ,4, 5,6 ,8, 9, 10	1,2 ,4, 5,6 ,7, 8,9 ,10 ,11							
Communicate and Interact	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11				1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11							
Demonstrate Supervisory Ability (3)	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11				1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11	1,2 ,3, 4,5 ,6, 7,8 ,9, 10	1,2 ,3, 4,5 ,6, 7,8 ,9, 10, 11							
Comply With and Use Tech. Specs. (3)	1,5	1,2 ,4					1,5 ,6	2,5 ,6	1,5	1,2 ,4							

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Instructions:

Check the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Facility: SSES

Date of Exam: 12/07/2007

Exam Level: RO SRO

Item Description	Initial		
	a	b*	c#
1. Questions and answers technically accurate and applicable to facility	am	RMP	JM
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	am	RMP	JM
3. SRO questions are appropriate per Section D.2.d of ES-401	am	RMP	JM
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions are repeated from the last two NRC licensing exams, consult the NRR OL program office.)			JM
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 <input checked="" type="checkbox"/> the examinations were developed independently; or ___ the licensee certifies that there is no duplication; or ___ other (explain)	am	RMP	JM
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.	am	RMP	JM
	Bank	Modified	New
	35/14	7/2	33/9
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.			
	M/F	C/A	
	JM 20/7 31	4/4 45/18 JM	am RMP JM
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	am	RMP	JM
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	am	RMP	JM
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	am	RMP	JM
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet	am	RMP	JM

	Printed Name / Signature	Date
a. Author	<u>Christopher Michaels</u>	<u>11/29/07</u>
b. Facility Reviewer (*)	<u>ROBERT M. PEAL</u>	<u>11/29/07</u>
c. NRC Chief Examiner (#)	<u>JOHN CORUSO</u>	<u>11/30/07</u>
d. NRC Regional Supervisor	<u>MARVIN D. SYKES</u>	<u>11/30/07</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: Susquehanna		Date of Exam: 12/07/2007		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	an	RMP	JM		
2. Answer key changes and question deletions justified and documented	an	RMP	JM		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	an	RMP	JM		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	an	RMP	JM		
5. All other failing examinations checked to ensure that grades are justified	an	RMP	JM		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	an	RMP	JM		
		Printed Name/Signature	Date		
a. Grader	<u>Chris Michaels / Chris Neall</u>		<u>12/21/07</u>		
b. Facility Reviewer(*)	<u>RMP</u>		<u>1/3/08</u>		
c. NRC Chief Examiner (*)	<u>J. Canuso</u>		<u>1/4/08</u>		
d. NRC Supervisor (*)	<u>[Signature]</u>		<u>1/15/08</u>		
(*)The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

NOTE: TODD FISH CHECKED GRADING ALSO

[Signature]

Facility: Susquehanna		Date of Exam: 12/07/2007		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	an	RMP	JM		
2. Answer key changes and question deletions justified and documented	an	RMP	JM		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	an	RMP	JM		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	an	RMP	JM		
5. All other failing examinations checked to ensure that grades are justified	an	RMP	JM		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	an	RMP	JM		
		Printed Name/Signature		Date	
a. Grader	Chris Michaels / <i>[Signature]</i>		12/1/07		
b. Facility Reviewer(*)	RM PEAL / <i>[Signature]</i>		1/3/08		
c. NRC Chief Examiner (*)	J. CRAWSON / <i>[Signature]</i>		1/4/08		
d. NRC Supervisor (*)	<i>[Signature]</i>		1/15/08		
(*)The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

NOTE: TODD FISH ALSO INDEPENDENTLY CHECKED GRADING
[Signature]