

February 25, 2005

Note to: Mike Murphy, Chief Examiner  
Operations Branch

From: Anthony Gody, Chief  
Operations Branch  
Division of Reactor Safety



SUBJECT: EXAMINATION ASSIGNMENT

You have been assigned as Chief of the Callaway examination. The operating test has been scheduled to be <sup>7</sup>completed<sup>22</sup> by August 26, 2005. Thank you for contacting the Callaway to finalize the details of the examination. You are reminded that the RPS/IP system must be maintained to ensure that the examiners and numbers of candidates are accurate.

817-320-7280



Assignment Tickler: **Mike Murphy, CW IN EX**

Replaces NUREG-1021, Revision 9, ES Forms 201-1 and 501-1

Due Date	Chief	Facility/ Task	Description	Date Complete	Notes
2/27/05	MEM	CW IN EX	Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	2/27/05	
2/27/05	MEM	CW IN EX	NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	2/27/05	
2/27/05	MEM	CW IN EX	Facility contact briefed on security & other issues (C.2.c)	2/28/05	
2/27/05	MEM	CW IN EX	Corp. Notification Letter Sent (C.2.d) (Exams only)	3/10/05	
7/12/05	MEM	CW IN EX	Inspection Announcement Letter Sent (PIR & LORT if req'd)	N/A	
5/28/05	MEM	CW IN EX	Task Expectations, Issues, & Standards Discussed w/ BC	N/A	
4/28/05	MEM	CW IN EX	[Reference Material Due (C.1.d;C.3.c)	N/A	
<del>4/28/05</del>	MEM	CW IN EX	Integrated Exam Outlines Due (C.1.d&e;C.3.d)	4/25/05	
5/12/05	MEM	CW IN EX	Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	5/10/05	
7/27/05	MEM	CW IN EX	Preliminary Applications Due (C.1.j;C.2.g;ES202)	7/25/05	
6/27/05	MEM	CW IN EX	Draft Exams w/ Doc./Ref. Due (C.1.d/ef;C.3.d)	6/29/05	
7/7/05	MEM	CW IN EX	Peer Reviewer Initials As Reviewed All Parts*	N/A	WRITTEN 7/25/05 OR TEST 7/26/05
7/7/05	MEM	CW IN EX	NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	7/29/05	
<del>7/7/05</del>	MEM	CW IN EX	Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	8/1/05	
8/12/05	MEM	CW IN EX	Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	8/12/05	
<del>8/19/05</del>	MEM	CW IN EX	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	8/11/05	
8/5/05	MEM	CW IN EX	Director debrief (PIR Only)	N/A	
8/19/05	MEM	CW IN EX	Final Appl. Rec'd & Waivers Sent (C.2.g)	8/11/05	
8/19/05	MEM	CW IN EX	Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	8/11/05	

4/25/05

8/1/05

8/15/05

8/10/05 Final Exams Due

Assignment Tickler: **Mike Murphy, CW IN EX**

Replaces NUREG-1021, Revision 9, ES Forms 201-1 and 501-1

8/19/05	MEM	CW IN EX	Exam/Insp Material to Team (C.3.i)	8/17/05	
9/7/05	MEM	CW IN EX	Fac. graded exam & Comments Rec'd	9/24/05	
<del>8/26/05</del> 8/22/05	MEM	CW IN EX	Administer Exam/Conduct Inspection	8/22-23/05	
9/10/05	MEM	CW IN EX	NRC Written Grading Completed	9/12/05	
9/10/05	MEM	CW IN EX	Examiners Finished Grading Op. Tests	9/12/05	
9/20/05	MEM	CW IN EX	NRC Ch. Ex. Review Completed	9/15/05	
9/21/05	MEM	CW IN EX	NRC BC Review Completed*	9/24/05	
9/26/05	MEM	CW IN EX	RPS/IP # Examinees Updated Before Report Issued	10/7/05	
9/26/05	MEM	CW IN EX	License/Denials Signed & Report Issued	10/6/05	
10/17/05	MEM	CW IN EX	Package Closed Out	10/05	
11/24/05	MEM	CW IN EX	Chief QA of ADAMS	QA will be completed after all items (including this form) have been entered.	

Written exam - 8/18/05

Facility:	Callaway	Date of Examination:	8/22/2005		
Item	Task Description	Initials			c#
		a	b*		
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	JGA	SPA	Initial	
	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.	JGA	SPA	Initial	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	JGA	SPA	Initial	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	JGA	SPA	Initial	
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.	JGA	SPA	Initial	
	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 scenarios will not be repeated on subsequent days.	JGA	SPA	Initial	
	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.	JGA	SPA	Initial	
3.  W / T	a. Verify that systems walk-through outline meets the criteria specified on Form ES-301-2:	JGA	SPA	Initial	
	(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	JGA	SPA	Initial	
	(2) task repetition from the last two NRC examinations is within the limits specified on the form,	JGA	SPA	Initial	
	(3)* no tasks are duplicated from the applicants' audit test(s)	JGA	SPA	Initial	
	(4) the number of new or modified tasks meets or exceeds the minimum number on the form.	JGA	SPA	Initial	
	(5) the number of alternate path, low-power, emergency and RCA tasks meet the criteria on the form.	JGA	SPA	Initial	
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1:	JGA	SPA	Initial	
	(1) the tasks are distributed among the topics as specified on the form	JGA	SPA	Initial	
	(2) at least one task is new or significantly modified	JGA	SPA	Initial	
	(3) no more than one task is repeated from the last two NRC licensing examinations	JGA	SPA	Initial	
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.	JGA	SPA	Initial		
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 section.	JGA	SPA	Initial	
	b. Assess whether the 10CFR 55.41/43 and 55.45 sampling is appropriate.	JGA	SPA	Initial	
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	JGA	SPA	Initial	
	d. Check for duplication and overlap among exam sections.	JGA	SPA	Initial	
	e. Check the entire exam for balance of coverage.	JGA	SPA	Initial	
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	JGA	SPA	Initial	
a. Author	Joseph G. Arsenault	Printed Name / Signature			Date
b. Facility Reviewer (*)	SP Aufderberg	SP Aufderberg			6/27/05
c. NRC Chief Examiner (#)	M.E. Murphy	M.E. Murphy			8/15/05
d. NRC Supervisor	R.E. Lantz	R.E. Lantz			8/15/05
NOTE: # Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.					

Facility: Callaway Plant		Date of Exam: 8/22/2005		Exam Level:	RO/SRO	
Item Description				Initial		
				a	b*	c#
1. Questions and answers technically accurate and applicable to facility.				JGA	SPA	Initial
2. a. NRC K/As referenced for all questions. b. Facility learning objectives referenced as available.				JGA	SPA	Initial
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401				JGA	SPA	Initial
4. The sampling process was random and systematic. (If more than 4 RO and 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL Program Office)				JGA	SPA	Initial
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 <u>XX</u> the licensee certifies that there is no duplication, or _____ other (explain)				JGA	SPA	N/A
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	JGA	SPA	Initial
	24 / 9	7 / 1	44/15			
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	C/A		JGA	SPA	Initial
	30 / 6	45 / 19				
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				JGA	SPA	Initial
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.				JGA	SPA	Initial
10. Question psychometric quality and format meet the guidelines in ES Appendix B.				JGA	SPA	Initial
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet.				JGA	SPA	Initial
Printed Name / Signature				Date		
a. Author	Joseph G. Arsenault			8/4/2005		
b. Facility Reviewer (*)	Steven P. Aufderberg			8/4/2005		
c. NRC Chief Examiner (#)	M.E. MURPHY			8/11/2005		
d. NRC Regional Supervisor	R.E. GANTZ			8/11/05		
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: Callaway		Date of Examination: 8/22/05	Operating Test Number: 1	
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).	JGA	SPA	Mark
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JGA	SPA	Mark
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	JGA	SPA	Mark
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	JGA	SPA	Mark
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JGA	SPA	Mark
2. WALK-THROUGH CRITERIA		-	-	-
a.	Each JPM includes the following, as applicable:	JGA	SPA	Mark
	* initial conditions	JGA	SPA	
	* initiating cues	JGA	SPA	
	* references and tools, including associated procedures	JGA	SPA	
	* reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee	JGA	SPA	
	* operationally important specific performance criteria that include:	JGA	SPA	
	- detailed expected actions with exact criteria and nomenclature	JGA	SPA	
	- system response and other examiner cues	JGA	SPA	
	- statements describing important observations to be made by the applicant	JGA	SPA	
	- criteria for successful completion of the task	JGA	SPA	
	- identification of critical steps and their associated performance standards	JGA	SPA	
	- restrictions on the sequence of steps, if applicable	JGA	SPA	
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.	JGA	SPA	Mark
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.		JGA	SPA	Mark
Printed Name / Signature		Date		
a.	Author Joseph G. Arsenault	8/4/2005		
b.	Facility Reviewer (*) Steven P. Aufderberg	8/4/2005		
c.	NRC Chief Examiner (#) M.E. Murphy	8/11/2005		
d.	NRC Supervisor R.E. Lantz	8/11/05		
NOTE: * The facility signature is not applicable for NRC-developed tests.				
# Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

Facility: Callaway		Date of Exam: 8/22/2005		Scenario Numbers: 1/2/3		Operating Test No.: 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.					JGA	SPA	W-SEA			
2.	The scenarios consist mostly of related events.					JGA	SPA	W-SEA			
3.	Each event description consists of <ul style="list-style-type: none"> <li>the point in the scenario when it is to be initiated</li> <li>the malfunction(s) that are entered to initiate the event</li> <li>the symptoms/cues that will be visible to the crew</li> <li>the expected operator actions (by shift position)</li> <li>the event termination point (if applicable)</li> </ul>					JGA	SPA	W-SEA			
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.					JGA	SPA	W-SEA			
5.	The events are valid with regard to physics and thermodynamics.					JGA	SPA	W-SEA			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					JGA	SPA	W-SEA			
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.					N/A		N/A			
8.	The simulator modeling is not altered.					JGA	SPA	W-SEA			
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.					JGA	SPA	W-SEA			
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.					JGA	SPA	W-SEA			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					JGA	SPA	W-SEA			
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).					JGA	SPA	W-SEA			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.					JGA	SPA	W-SEA			
Target Quantitative Attributes (Per Scenario; See Section D.5.d)						Actual Attributes (Scenario)					
						1	2	3			
1.	Total malfunctions (5-8)					6	6	6	JGA	SPA	W-SEA
2.	Malfunctions after EOP entry (1-2)					2	2	2	JGA	SPA	W-SEA
3.	Abnormal events (2-4)					4	3	3	JGA	SPA	W-SEA
4.	Major transients (1-2)					1	1	1	JGA	SPA	W-SEA
5.	EOPs entered/requiring substantive actions (1-2)					2	2	2	JGA	SPA	W-SEA
6.	EOP contingencies requiring substantive actions (0-2)					1	1	0	JGA	SPA	W-SEA
7.	Critical tasks (2-3)					2	2	2	JGA	SPA	W-SEA

Facility:		Callaway		Date of Exam:		8/22/2005		Operating Test No.:		NRC							
A P P L I C A N T	E V E N T  T Y P E	Scenarios												T O T A L	MINIMUM		
		1			2			3			4						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		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
SROI-1	RX												0	1	1	0	
	NOR	1											1	1	1	1	
	I/C	2,3,4,5				1,3,5							7	4	4	2	
	MAJ	6				4							2	2	2	1	
	TS	2,3,4											3	0	2	2	
RO-1	RX		1										1	1	1	0	
	NOR												0	1	1	1	
	I/C		3,4,5,8				2,3,5,6						8	4	4	2	
	MAJ		6				4						2	2	2	1	
	TS												0	0	2	2	
RO-2	RX												0	1	1	0	
	NOR			1									1	1	1	1	
	I/C			2,3,7			1,3,5						6	4	4	2	
	MAJ			6			4						2	2	2	1	
	TS												0	0	2	2	
RO-3	RX		1										1	1	1	0	
	NOR												0	1	1	1	
	I/C		3,4,5,8				2,3,5,6						8	4	4	2	
	MAJ		6				4						2	2	2	1	
	TS												0	0	2	2	



A P P L I C A N T	E V E N T  T Y P E	Scenarios															
		1			2			3			4			T O T A L	MINIMUM		
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		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-4	RX													0	1	1	0
	NOR			1										1	1	1	1
	I/C			2,3, 7		1,3, 5								6	4	4	2
	MAJ			6		4								2	2	2	1
	TS													0	0	2	2

## Instructions:

1. Circle 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 service 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: Callaway Date of Examination: 8/22/2005 Operating Test No. NRC-1

Competencies	SRO				RO (ATC)				BOP			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	2,3, 4,5	1,2, 3,4, 6	2,3, 4,6, 7		3,4,5 ,7	1,3,4 ,5	2,4,7		2,3, 8	2,3, 5,6	3,5, 6	
Comply With and Use Procedures (1)	1-7	1-6	1-7		1,3,4 ,5,7	1,3,4 ,5	1,2,4 ,5,7		1,2, 3,8	2,3, 5,6	1,3, 5,6	
Operate Control Boards (2)	NA	NA	NA		1,3,4 ,5,7	1,3,4 ,5	1,2,4 ,7		1,2, 3,8	2,3, 5,6	1,3, 45,6	
Communicate and Interact	ALL	ALL	ALL		1,3,4 ,5,6, 7	1,3,4 ,5	1,2,4 ,5,7		1,2, 3,6, 8	2,3, 5,6	1,3, 5,6, 7	
Demonstrate Supervisory Ability (3)	ALL	ALL	ALL		NA	NA	NA		NA	NA	NA	
Comply With and Use Tech. Specs. (3)	2,3, 4	1,3	2,4		NA	NA	NA		NA	NA	NA	

Notes:

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

**Instructions:**

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

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

  

Printed Name/Signature		Date
a. Grader	<u>Robert B. Moody, III / Robert B. Moody, III</u>	<u>8/22/05</u>
b. Facility Reviewer(*)	<u>Steven P. Aufdenberg / Steven P. Aufdenberg</u>	<u>8/22/05</u>
c. NRC Chief Examiner (*)	<u>M. E. Murphy / M. E. Murphy</u>	<u>9/12/05</u>
d. NRC Supervisor (*)	<u>P. J. Lantz / P. J. Lantz</u>	<u>9/12/05</u>

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

10/07/2005 09:26:16

Report 21

Region: 4

Phase Code: 5 Operational

## Operator Licensing Exam Schedule

From 10/01/2004 To 10/30/2005

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
06/06/2005	Callaway / 05000483 / 2005004 Procedure #: 7111111B				STETKA, THOMAS F.	DRAKE, JAMES F. MURPHY, MICHAEL E. STETKA, THOMAS F.
06/27/2005	Callaway / 05000483 / 2005301 TAC #: X02286		Prep	FFF	MURPHY, MICHAEL E.	CLAYTON, KELLY D. DENNIS, STEVEN LARSON, BRIAN T. MURPHY, MICHAEL E.
08/01/2005	Callaway / 05000483 / 2005301 TAC #: X02286		Prep	FFF	MURPHY, MICHAEL E.	CLAYTON, KELLY D. DENNIS, STEVEN LARSON, BRIAN T. MURPHY, MICHAEL E.
08/22/2005	Callaway / 05000483 / 2005301 TAC #: X02286	RO - 3 SROI - 1	Admin	FFF	MURPHY, MICHAEL E.	CLAYTON, KELLY D. DENNIS, STEVEN LARSON, BRIAN T. MURPHY, MICHAEL E.
08/29/2005	Callaway / 05000483 / 2005301 TAC #: X02286		Doc	FFF	MURPHY, MICHAEL E.	CLAYTON, KELLY D. DENNIS, STEVEN LARSON, BRIAN T. MURPHY, MICHAEL E.

## Examination Security Agreement

## 1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the weeks(s) of 1/22/05 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 (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 8/22/05. 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>VLADIMIR KOZEL</u>	<u>L-3 Communication Tech. Rep.</u>	<u>[Signature]</u>	<u>Apr. 18, 05</u>	<u>[Signature]</u>	<u>08/25/05</u>	<u>6/22/05</u> <u>6/22/05</u>
2. <u>John Hoshino</u>	<u>Trng. Supv. - Sim</u>	<u>[Signature]</u>	<u>4/18/05</u>	<u>[Signature]</u>	<u>8/26/05</u>	
3. <u>SCOTT HALVERSON</u>	<u>General Supervisor / Simulator</u>	<u>[Signature]</u>	<u>4/18/05</u>	<u>[Signature]</u>	<u>8/25/05</u>	
4. <u>JOHN OAKES</u>	<u>Simulator Engineer</u>	<u>[Signature]</u>	<u>4/19/05</u>	<u>[Signature]</u>	<u>8/23/05</u>	
5. <u>BALABIR SINGH</u>	<u>4-3 Simulator Support</u>	<u>[Signature]</u>	<u>4/19/05</u>	<u>[Signature]</u>	<u>8/26/05</u>	
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NOTES: \* notified per phone conversation.

## Examination Security Agreement

ES-201

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 8/22/05 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 (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 8/22/05. 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. <del>JOSEPH ARSENAULT</del>	<del>EXAM DEVELOPER</del>	<del>Joseph Arsenault</del>	<del>2/18/05</del>	<del>See other sheet</del>	<del>8/1/05</del>	
2. ROBERT NELSON	SS/CALLAWAY	Robert Nelson	8/23/05	Robert Nelson	8/26/05	
3. Robert B. Moody, III	OS/CALLAWAY	Robert B. Moody, III	8/23/05	Robert B. Moody, III	8/26/05	
4. ERIC T. SCHULTZ	DESIGN ENGINEER	Eric T. Schultz	8/24/05	Eric T. Schultz	8/26/05	
5. William A. Smith	OS/CALLAWAY	William A. Smith	8/25/05	William A. Smith	8/26/05	
6. Rick T. Slaughter	OS/CALLAWAY	Rick T. Slaughter	8/25/05	Rick T. Slaughter	8/26/05	
7. Bryan Parker	RO/CALLAWAY	Bryan Parker	8/25/05	Bryan Parker	8/26/05	
8. David Hopkins	STS, LOCT/CALLAWAY	David Hopkins	8/25/05	David Hopkins	8/26/05	
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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 8/22/05 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 8/22/05. 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>Walter Gruer</u>	<u>Operating Supervisor</u>	<u>Walter Gruer</u>	<u>8/26/05</u>	<u>Walter Gruer</u>	<u>8/29/05</u>
2. <u>Gerald Holtmeyer</u>	<u>Reactor Operator</u>	<u>Gerald Holtmeyer</u>	<u>8/26/05</u>	<u>Gerald Holtmeyer</u>	<u>9/1/05</u>
3. <u>David Stiefelman</u>	<u>Reactor Operator</u>	<u>David Stiefelman</u>	<u>8/26/05</u>	<u>David Stiefelman</u>	<u>8/29/05</u>
4. <u>John Heston</u>	<u>Training Supervisor</u>	<u>John Heston</u>	<u>8/26/05</u>	<u>John Heston</u>	<u>8/29/05</u>
5. <u>John Parsons</u>	<u>Reactor Operator</u>	<u>John Parsons</u>	<u>8/30/05</u>	<u>John Parsons</u>	<u>8/30/05</u>
6. <u>Kelly P. Slaughter</u>	<u>Reactor Operator</u>	<u>Kelly P. Slaughter</u>	<u>8/30/05</u>	<u>Kelly P. Slaughter</u>	<u>8/30/05</u>
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## Examination Security Agreement

ES-201

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 8/22/05. I agree that I will not knowingly divulge any information about these examinations to any persons who have not as of the date of my signature. I am aware of the physical security measures and requirements (as been 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 8/22/05. 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. SPADENBERG	OS Training - Exams	<i>SPADENBERG</i>	4/18/05	<i>Robert B. Mandy III</i>	8/25/05	
2. Robert B. Mandy III	OS Training - Exams	<i>Robert B. Mandy III</i>	4/18/05	<i>Robert B. Mandy III</i>	8/25/05	
3. Theresa M. Wendling	Clerk	<i>Theresa M. Wendling</i>	6/6/05	<i>Theresa M. Wendling</i>	8/29/05	
4. Martha R. Wallace	Clerk	<i>Martha R. Wallace</i>	6/14/05	<i>Martha R. Wallace</i>	8/26/05	
5. Kelly P. Slaughter	Reactor Operator	<i>K.P. Slaughter</i>	6-16-05	<i>K.P. Slaughter</i>	8-30-05	
6. Dennis L. Ruffolo	Reactor Operator	<i>Dennis L. Ruffolo</i>	6-16-05	<i>Dennis L. Ruffolo</i>	9-6-05	
7. Gregory L. Braney	Operations Supervisor	<i>Gregory L. Braney</i>	6/18/05	<i>Gregory L. Braney</i>	8-30-05	
8. David Stelerman	RO	<i>David Stelerman</i>	6/18/05	<i>David Stelerman</i>	9/8/05	
9. David Benavilla	OS	<i>David Benavilla</i>	8/18/05	<i>David Benavilla</i>	8/26/05	
10. Rick Tiedeman	OS	<i>Rick Tiedeman</i>	8/22/05	<i>Rick Tiedeman</i>	8/30/05	
11. Shane Harris	OS	<i>Shane Harris</i>	8-22-05	<i>Shane Harris</i>	8-30-05	
12. STEPHEN MINER	RO	<i>Stephen Miner</i>	8-22-05	<i>Stephen Miner</i>	8-30-05	
13. Dan Parker	RO	<i>Dan Parker</i>	8-22-05	<i>Dan Parker</i>	8-30-05	
14. Gregory Hummer	RO	<i>Gregory Hummer</i>	8-22-05	<i>Gregory Hummer</i>	8-30-05	
15. ANDREW NELSON	SIM. STAFF	<i>Andrew Nelson</i>	8-22-05	<i>Andrew Nelson</i>	8/22/05	

NOTES:



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 8/22/05 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 (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.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>JOSEPH ARSENAULT</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>2/18/05</u>	<u>[Signature]</u>	<u>8/24/05</u>	
2. <u>ROBERTO FORTIN</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>2/18/05</u>	<u>[Signature]</u>	<u>8/30/05</u>	
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Callaway  
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 8/22/05 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 (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.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>JOSEPH ARSENAULT</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>2/18/05</u>	<u>[Signature]</u>	<u>9/30/05</u>	
2. <u>JAMES K. LLOYD</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>3/28/05</u>	<u>[Signature]</u>		
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NUREG-1021, Revision 9

Mar 28 05 11:29a

Joe Arsenault

(623) 535-1307

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Caution  
Form ES-201-3  
Examination Security Agreement

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 8/22/05 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 (e.g., acting as a simulator, both operator or communicator) in 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.

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Joe Arsenault</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>8/22/05</u>	<u>See Other Sheet</u>		
2. <u>James L. Lunt</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>8/22/05</u>	<u>See Other Sheet</u>		
3. <u>Richard L. Schuller</u>	<u>Admin</u>	<u>[Signature]</u>	<u>8/22/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	
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