

CHIEF:	Mark Haire	FACILITY:	Callaway Plant	DATE of OPERATING EXAM:	11/26/07
Due Date	Description	Date Complete	Initials	Notes	
5/30/07	Exam Administration Date Confirmed (C.1.a; C.2.a & b)	5/29/07	MSH		
7/29/07	NRC Staff & Facility Contact Assigned (C.1.d; C.2.e)	7/20/07	MSH	8 RO, 3 SRO, 1 SROU	
7/29/07	Facility Contact Briefed on Security & Other Req's (C.2.c)	7/20/07	MSH		
7/29/07	Corporate Notification Letter (ES-201 Att-3) Sent (C.2.d)	7/31/07	MSH	SUBMITTED 7/27/07 TO C.O.B produced by Chief Examiner	
8/28/07	Reference Material Due (if NRC authored) (C.1.e; C.3.c)	N/A	MSH		
9/12/07	Integrated Exam Outlines Due (C.1.e & f; C.3.d)	9/12/07	MSH	AGREED	
9/17/07	Outlines Review & NRC Feedback Provided (C.2.h; C.3.e)	9/19/07	MSH		
10/22/07	Draft Exams w/References Due (C.1.e,f,g,h; C.3.d)	10/9/07	MSH	AGREED	WRITTEN UP/ OPTEST 10/9
10/27/07	*Peer Reviewer Completes Review of Exam on ES-401-9	10/22/07	MSH		
10/27/07	*NRC BC Approves Feedback to Facility (C.2.h; C.3.f)	10/22/07	MSH		
10/27/07	*Exams Reviewed w/ Fac. (C.1.h; C.2.f & h; C.3.g)	10/22-25/07	MSH	AGREED	
10/27/07	Preliminary Applications Due (C.1.i; C.2.g; ES-202)	10/22/07	MSH		
11/1/07	Preliminary Applications Reviewed (C.1.i; C.2.g)	11/1/07	MSH		
11/12/07	Final Applications Due (C.1.i; C.2.i; ES-202)	11/12/07	MSH		
11/12/07	On-Site Preparatory Week to Validate Operating Exam	10/22-25/07	MSH	AGREED	(COMPLETE FRESH CREW)
11/12/07	On-Site Audit (10%) of License App's (ES-202 C.2.e)	10/24/07	MSH		
11/19/07	Final Appl. OK'ed & Waiver Letters Sent (ES-204; C.2.e)	11/14/07	MSH		
11/19/07	NRC Supervisor Approved Final Exams (C.2.i; C.3.h)	11/15/07	MSH		
11/19/07	Exam Approval Letter (ES-201 Att-4) and List of Applicants (ES-201-4) Prepared (C.2.i)	11/14/07	MSH	produced by OLA	
11/19/07	Proctor Rules Review w/Fac. & Written Authorized (C.3.k)	11/20/07	MSH		
11/19/07	Exam Material to Exam Team (C.3.i)	11/20/07	MSH		
11/26/07	Administer Operating Exam On-Site	11/30/07	MSH	AGREED	
12/8/07	Facility Graded Exam & Comments Received	11/30/07	MSH		
12/11/07	NRC Written Exam Grading Completed	12/6/07	MSH		
12/11/07	Examiners Document Exam Grades on ES Forms	12/6/07	MSH		
12/21/07	NRC Chief Examiner Grading Review Completed	12/6/07	MSH		
12/22/07	NRC BC Review Completed	12/10/07	MSH		
12/26/07	License/Denials Signed & Report Issued	12/10/07	MSH		
12/26/07	RPS/IP Number of Examinees Updated	12/10/07	MSH	print Report-21	
1/10/08	Examination Report Issued	SUBMITTED 1/11/08	MSH	produced by Chief Examiner	
1/17/08	Package Closed Out	1/11/08	MSH		
1/17/08	Chief QA of ADAMS and SISP review complete	1/11/08	MSH		

\* Indicates the due dates are more conservative than the ES-201-1 requires.

ES-201		Examination Outline Quality Checklist		Form ES-201-2	
Facility:	Callaway		Date of Examination:	11/26/07	
Item	Task Description	Initiate			
		a	b*	c#	
WRITEN	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	DN	JW	MSH	
	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.	DN	JW	MSH	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	DN	JW	MSH	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	DN	JW	MSH	
SIMULATED	a. Using Form ES-301-3, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	DN	JW	MSH	
	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.	DN	JW	MSH	
	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.	DN	JW	MSH	
W/T	a. Verify that 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 alternate: full, low-power, emergency and RCA tasks meet the criteria on the form.	DN	JW	MSH	
	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	DN	JW	MSH	
	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.	DN	JW	MSH	
GENERAL	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	DN	JW	MSH	
	b. Assess whether the 10CFR 55.41/43 and 55.45 sampling is appropriate.	DN	JW	MSH	
	c. Ensure that K/A importance ratings (except for plant specific priorities) are at least 2.5.	DN	JW	MSH	
	d. Check for duplication and overlap among exam sections.	DN	JW	MSH	
	e. Check the entire exam for balance of coverage.	DN	JW	MSH	
	f. Assess whether the exam fits the appropriate job level (RO or SRO)	DN	JW	MSH	
Printed Name / Signature		Date			
a. Author	David Laszany/Western Technical Services	9/9/07			
b. Facility Reviewer (*)	Larry R. Wilhelms	9/11/07			
c. NRC Chief Examiner (#)	MARK HARRIS	9/19/07			
d. NRC Supervisor	A.T. Gody / AT Gody	9/19/07			
NOTE: # Independent NRC reviewer initial items in Column "c", chief examiner concurrence required					

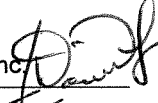
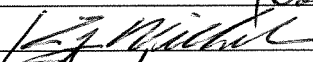
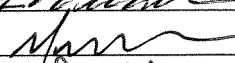
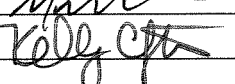
Facility: Callaway		Date of Exam: 1/26/2007		Exam Level:	RO/SRO	
Item Description				Initial		
				a	b*	c#
1. Questions and answers technically accurate and applicable to facility.				PA	PAW	MSH
2. a. NRC K/As referenced for all questions. b. Facility learning objectives referenced as available.				PA	PAW	MSH
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401				PA	PAW	MSH
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)				PA	PAW	MSH
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed, or <input type="checkbox"/> the audit exam was completed before the license exam was started, or <input type="checkbox"/> the examinations were developed independently, or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication, or <input type="checkbox"/> other (explain)				PA	PAW	MSH
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 40 / 14	Modified 3 / 1	New 32/10	PA	PAW	MSH
7. Between 50 and 60 percent of the question 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 34 / 8	C/A 41 / 17		PA	PAW	MSH
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				PA	PAW	MSH
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.				PA	PAW	MSH
10. Question psychometric quality and format meet the guidelines in ES Appendix B.				PA	PAW	MSH
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet.				PA	PAW	
Printed Name / Signature				Date		
a. Author	Joseph G. Arsenault			11/8/2007		
b. Facility Reviewer (*)	Larry P. Wilhelm			11/9/2007		
c. NRC Chief Examiner (#)	MARK S. HAIRE			11/15/07		
d. NRC Regional Supervisor	Kelly D. Clayton			11/15/07		
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:	11/26/07	Operating Test Number: 07-1
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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).	DM	JAW	MSH
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.	DM	JAW	MSH
c. The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	DM	JAW	MSH
d. Overlap with the written examination and between different parts of the operating test is within acceptable limits.	DM	JAW	MSH
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	DM	JAW	MSH
<b>2. WALK-THROUGH CRITERIA</b>	-	-	-
a. Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>* initial conditions</li> <li>* initiating cues</li> <li>* references and tools, including associated procedures</li> <li>* reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee</li> <li>* operationally important specific performance criteria that include: <ul style="list-style-type: none"> <li>- detailed expected actions with exact criteria and nomenclature</li> <li>- system response and other examiner cues</li> <li>- statements describing important observations to be made by the applicant</li> <li>- criteria for successful completion of the task</li> <li>- identification of critical steps and their associated performance standards</li> <li>- restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	DM	JAW	MSH
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.	DM	JAW	MSH
<b>3. SIMULATOR CRITERIA</b>	-	-	-
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	DM	JAW	MSH

	Printed Name / Signature	Date
a. Author	David Lazarony, Western Technical Services, Inc. 	10/31/07
b. Facility Reviewer (*)	Larry Wilhelm 	11/7/07
c. NRC Chief Examiner (#)	MARK S. HAIRE 	11/15/07
d. NRC Supervisor	Kelly D. Clayton 	11/15/07

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:	11/26/2007	Scenario Numbers:	1 2 3	Operating Test No.:	07-1	
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.					DN	JM	MSH
2.	The scenarios consist mostly of related events.					DN	JM	MSH
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>					DN	JM	MSH
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.					DN	JM	MSH
5.	The events are valid with regard to physics and thermodynamics.					DN	JM	MSH
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					DN	JM	MSH
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.					DN	JM	MSH
8.	The simulator modeling is not altered.					DN	JM	MSH
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.					DN	JM	MSH
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.					DN	JM	MSH
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					DN	JM	MSH
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).					DN	JM	MSH
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.					DN	JM	MSH
Target Quantitative Attributes (Per Scenario; See Section D.5.d)						Actual Attributes		
						1	2	3
1.	Total malfunctions (5-8)					7	7	6
2.	Malfunctions after EOP entry (1-2)					1	1	1
3.	Abnormal events (2-4)					4	3	3
4.	Major transients (1-2)					1	1	1
5.	EOPs entered/requiring substantive actions (1-2)					1	1	1
6.	EOP contingencies requiring substantive actions (0-2)					0	1	0
7.	Critical tasks (2-3)					3	2	2

Facility:	Callaway	Date of Exam:	11/26/2007	Scenario Numbers:	4	Operating Test No.:	07-1				
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.					DPN	JMW	MSH			
2.	The scenarios consist mostly of related events.					DPN	JMW	MSH			
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>					DPN	JMW	MSH			
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.					DPN	JMW	MSH			
5.	The events are valid with regard to physics and thermodynamics.					DPN	JMW	MSH			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					DPN	JMW	MSH			
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.					DPN	JMW	MSH			
8.	The simulator modeling is not altered.					DPN	JMW	MSH			
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.					DPN	JMW	MSH			
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.					DPN	JMW	MSH			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					DPN	JMW	MSH			
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).					DPN	JMW	MSH			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.					DPN	JMW	MSH			
Target Quantitative Attributes (Per Scenario; See Section D.5.d)						Actual Attributes					
						4			-	-	-
1.	Total malfunctions (5-8)					7					MSH
2.	Malfunctions after EOP entry (1-2)					2					MSH
3.	Abnormal events (2-4)					3					MSH
4.	Major transients (1-2)					1					MSH
5.	EOPs entered/requiring substantive actions (1-2)					1					MSH
6.	EOP contingencies requiring substantive actions (0-2)					0					MSH
7.	Critical tasks (2-3)					3					MSH

Facility:		Callaway		Date of Exam:		11/26/2007		Operating Test No.:		NRC 07-1							
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 (Spare)			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
SROU-1	RX													0	1	1	0
	NOR	1												1	1	1	1
	I/C	2,3, 4,5, 6									1,2, 3,4			9	4	4	2
	MAJ	7									5			2	2	2	1
	TS	2									1,3			3	0	2	2
SROI-1	RX													0*	1	1	0
	NOR	1												1	1	1	1
	I/C	2,3, 4,5, 6							1,2, 4,7		1,2, 3,4			13	4	4	2
	MAJ	7							5		5			3	2	2	1
	TS	2									1,3			3	0	2	2
SROI-2	RX													0*	1	1	0
	NOR	1												1	1	1	1
	I/C	2,3, 4,5, 6							1,2, 4,7		1,2, 3,4			13	4	4	2
	MAJ	7							5		5			3	2	2	1
	TS	2									1,3			3	0	2	2
SROI-3	RX													0*	1	1	0
	NOR	1												1	1	1	1
	I/C	2,3, 4,5, 6							1,2, 4,7		1,2, 3,4			13	4	4	2
	MAJ	7							5		5			3	2	2	1
	TS	2									1,3			3	0	2	2

Instructions:

- 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.
- 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:		Callaway		Date of Exam:		11/26/2007		Operating Test No.:		NRC 07-1								
A P P L I C A N T	E V E N T  T Y P E	Scenarios																
		1			2 (Spare)			3			4			T O T A L	M I N I M U M (*)			
		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					
RO-1	RX		6												1	1	1	0
	NOR		1												1	1	1	1
	I/C		2,4										2,4, 7		5	4	4	2
	MAJ		7										5		2	2	2	1
	TS														0	0	2	2
RO-2	RX														0*	1	1	0
	NOR														0*	1	1	1
	I/C			3,5, 6									1,3, 6		6	4	4	2
	MAJ			7									5		2	2	2	1
	TS														0	0	2	2
RO-3	RX														0*	1	1	0
	NOR														0*	1	1	1
	I/C			3,5, 6						1,4			1,3, 6		8	4	4	2
	MAJ			7						5			5		3	2	2	1
	TS														0	0	2	2
RO-4	RX														0*	1	1	0
	NOR														0*	1	1	1
	I/C			3,5, 6						1,4			1,3, 6		8	4	4	2
	MAJ			7						5			5		3	2	2	1
	TS														0	0	2	2

Instructions:

- 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.
- 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:		Callaway		Date of Exam:		11/26/2007		Operating Test No.:		NRC 07-1							
A P P L I C A N T	E V E N T  T Y P E	Scenarios															
		1			2 (Spare)			3			4			T O T A L	M I N I M U M(*)		
		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-5	RX		6											1	1	1	0
	NOR		1											1	1	1	1
	I/C		2,4									2,4, 7		5	4	4	2
	MAJ		7									5		2	2	2	1
	TS													0	0	2	2
RO-6	RX		6											1	1	1	0
	NOR		1											1	1	1	1
	I/C		2,4									2,4, 7		5	4	4	2
	MAJ		7									5		2	2	2	1
	TS													0	0	2	2
RO-7	RX													0*	1	1	0
	NOR													0*	1	1	1
	I/C			3,5, 6						1,4		1,3, 6		8	4	4	2
	MAJ			7						5		5		3	2	2	1
	TS													0	0	2	2
RO-8	RX		6											1	1	1	0
	NOR		1											1	1	1	1
	I/C		2,4									2,4, 7		5	4	4	2
	MAJ		7									5		2	2	2	1
	TS													0	0	2	2

Instructions:

- 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.
- 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: Callaway		Date of Examination: 11/26/2007		Operating Test No.: NRC 07-1								
Competencies	APPLICANTS											
	SRO				ROATC				BOP			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	1-8	1-8	1-8	1-7	1, 2, 4, 6-8	1, 3, 4, 5, 7	1-8	1, 3, 5, 6	3, 5-8	2, 4, 6-8	1, 3-6	2, 4, 5, 7
Comply With and Use Procedures (1)	1-8	1-8	1-8	1-7	1, 2, 4, 6-8	1, 3, 4, 5, 7	1-8	1, 3, 5, 6	3, 5-8	2, 4, 6-8	1, 3-6	2, 4, 5, 7
Operate Control Boards (2)	NA	NA	NA	NA	1, 2, 4, 6-8	1, 3, 4, 5, 7	1-8	1, 3, 5, 6	3, 5-8	2, 4, 6-8	1, 3-6	2, 4, 5, 7
Communicate and Interact	1-8	1-8	1-8	1-7	1-8	1-8	1-8	1-7	1-8	1-8	1-8	1-7
Demonstrate Supervisory Ability (3)	1-8	1-8	1-8	1-7	NA	NA	NA	NA	NA	NA	NA	NA
Comply With and Use Tech. Specs. (3)	2	2	NA	1, 3	NA	NA	NA	NA	NA	NA	NA	NA

*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: <u>Callaway</u>		Date of Exam: <u>11/21/07</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>DS</u>	<u>MS</u>	<u>MSH</u>		
2. Answer key changes and question deletions justified and documented	<u>DS</u>	<u>MS</u>	<u>MSH</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>DS</u>	<u>MS</u>	<u>MSH</u>		
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	<u>DS</u>	<u>MS</u>	<u>MSH</u>		
5. All other failing examinations checked to ensure that grades are justified	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<u>DS</u>	<u>MS</u>	<u>MSH</u>		
Printed Name/Signature			Date		
a. Grader	<u>Douglas L. Glover / [Signature]</u>			<u>11/30/07</u>	
b. Facility Reviewer(*)	<u>Daniel Harris / [Signature]</u>			<u>11/30/07</u>	
c. NRC Chief Examiner (*)	<u>MARK HAIRE / [Signature]</u>			<u>12/5/07</u>	
d. NRC Supervisor (*)	<u>RYAN LANTZ / [Signature]</u>			<u>12/10/07</u>	
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

## Operator Licensing Exam Schedule

From 07/01/2007 To 01/30/2008

Region: 4

Phase Code: 5

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
09/12/2007	Callaway / 05000483 / 2007301 TAC #: X02355	RO - 8 SROU - 1	SROI - 3	Prep	FFF	HAIRE, MARK S.	APGER, GABRIEL W. GARCHOW, STEPHEN M. HAIRE, MARK S. STETKA, T F. STETKA, THOMAS F.
10/22/2007	Callaway / 05000483 / 2007301 TAC #: X02355	RO - 8 SROU - 1	SROI - 3	Prep	FFF	HAIRE, MARK S.	HAIRE, MARK S. STETKA, THOMAS F.
11/26/2007	Callaway / 05000483 / 2007301 TAC #: X02355	RO - 8 SROU - 1	SROI - 3	Admin	FFF	HAIRE, MARK S.	APGER, GABRIEL W. GARCHOW, STEPHEN M. HAIRE, MARK S. STETKA, THOMAS F.
12/03/2007	Callaway / 05000483 / 2007301 TAC #: X02355	RO - 8 SROU - 1	SROI - 3	Doc	FFF	HAIRE, MARK S.	APGER, GABRIEL W. GARCHOW, STEPHEN M. HAIRE, MARK S. STETKA, T F. STETKA, THOMAS F.

Sites: CALL

Orgs: 4620

Exam Author: FFF

December 10, 2007

Mr. Mark Haire  
Chief Examiner  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-4005



Callaway Initial NRC License Exam Security Agreements

Enclosed are the completed exam security forms that applied to the 2007 Initial License Examination at the Callaway Plant.

We will follow up on this information mailing by contacting you, the Chief Examiner, to ensure the package was received.

I believe these are the last items we need to submit. Once again thanks for you and your team's efforts during the exam.

If there are any questions concerning these items, please contact me at (573) 676-6425.

Thank You,

A handwritten signature in black ink, appearing to read "Larry Wilhelm", with a long horizontal line extending to the right.

Larry Wilhelm  
Operating Supervisor  
Callaway Plant  
Operations Training

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/19 & 11/26 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.

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 11/19, 11/26 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.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Larry P. Wilhelm	Operating Supv. / Exam Reviewer	<i>Larry P. Wilhelm</i> 12272	8/13/07	<i>Larry P. Wilhelm</i> 12272	11/30/07	
2. Theresa M. Wendring	Clerk	<i>Theresa Wendring</i>	8-13-07	<i>Theresa Wendring</i>	12/3/07	
3. Robert A. Nelson	Shift Manager / Ops Training	<i>Robert A. Nelson</i>	8/13/07	<i>Robert A. Nelson</i>	12/4/07	
4. Daniel T. Harris	STS, ILT NW	<i>Dan Harris</i>	8/29/07	<i>Dan Harris</i>	11/30/07	
5. David A. LAZARDY	EXAM DEVELOPER	<i>David A. Lazardy</i>	9/11/07	N/A SEE PAGE 4	11/12/07	
6. ANDREW G. NELSON	SIMULATOR SUPPORT	<i>Andrew Nelson</i> 13477	9/10/07	<i>Andrew Nelson</i> 13477	11/30/07	
7. David M. Hall	SIMULATOR SUPPORT, SUPV.	<i>David M. Hall</i>	9/10/07	<i>David M. Hall</i>	11/30/07	
8. John R. Hestnes	Simulator Test Supervisor	<i>John R. Hestnes</i> 2801	9/10/07	<i>John R. Hestnes</i>	11/4/07	
9. Eric T. Schulte	Simulator Engineer	<i>Eric T. Schulte</i> 5212	9/10/2007	<i>Eric T. Schulte</i>	12/4/2007	
10. JOHN E. OAKES	Simulator Engineer	<i>John E. Oakes</i> 4294	9/10/2007	<i>John E. Oakes</i>	11/30/2007	
11. Marla R. Wallace	Clerk	<i>Marla R. Wallace</i>	9/11/07	<i>Marla R. Wallace</i>	11/30/07	
12. JEFF YAGER	RO	<i>Jeff Yager</i> 6474	9/22/07	<i>Jeff Yager</i>	12-6-07	
13. David Stiefman	Reactor Operator	<i>David Stiefman</i> 5611	9-22-07	<i>David Stiefman</i>	12-3-07	
14. Walter Gruer	Operating Supervisor	<i>Walter Gruer</i> 2338	9-22-07	<i>Walter Gruer</i>	12-3-07	
15. MINH NGUYEN	L3COM	<i>Minh Nguyen</i> 67078	9-22-07	<i>Eric T. Schulte</i>	12/14/07	for M. Nguyen

NOTES:

① Per Telecon

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/19 - 11/26 <sup>2007</sup> 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.

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Tom Wright	Reactor Operator	Thomas E Wright	9-23-07	Thomas E Wright	12-3-07	
2. James Dumas	REACTOR OPERATOR	James Dumas	9-23-07	James Dumas	12-6-07	
3. Jeff Schaefer	EOP Coordinator	Jeff Schaefer	10/21/07	Jeff Schaefer	12/3/07	
4. Ardell Lee Young	Reactor Operator	Ardell Lee Young	10/21/07	Ardell Lee Young	12-3-07	
5. Lisa A. Dean	RP Supervisor	Lisa A. Dean	10-3-07	Lisa A. Dean	12-6-07	
6. Theresa M Wendring	Nuclear Clerk	Theresa Wendring	10-8-07	Theresa Wendring	12/3/07	
7. FRED BIANCO	Shift Manager	Fred Bianco	10-12-07	Fred Bianco	12/4/07	
8. STEVE MINER	REACTOR OPERATOR	Steve Miner	10-15-07	Steve Miner	12-4-07	
9. DALE NICHOLS	Reactor Operator	Dale Nichols	10-16-07	Dale Nichols	11/28/07	
10. MARK C. GREEN	OPERATING SUPERVISOR	Mark C. Green	10-23-07	Mark C. Green	12/3/07	
11. PHILIP L. MAIERHOFFER	REACTOR OPERATOR	Philip L. Maierhoffer	10-23-07	Philip L. Maierhoffer	12-3-07	
12. Steven Aufenborg	STS-LOOT	Steven Aufenborg	10/25/07	Steven Aufenborg	11/30/2007	11576
13. Anteneh Berhane	Engineer	Anteneh Berhane	10/26/07	Anteneh Berhane	12/6/2007	①
14. Matt Selles	Operating Supervisor	Matt Selles	11/21/07	Matt Selles	12-3-07	
15. Dennis Kuffner	Operating Supervisor	Dennis Kuffner	11-26-07	Dennis Kuffner	11-30-07	

NOTES:

① Per Telecom

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 persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>SAMUEL V. HENDERSON II</u>	<u>OPER. SUPV. (TRAINING-ILT)</u>	<u>[Signature]</u> 2614	<u>11/26/2007</u>	<u>[Signature]</u>	<u>11/30/2007</u>	
2. <u>BRUNER L. GLOVE</u>	<u>OS Training ILT</u>	<u>[Signature]</u> 8313	<u>11/26/07</u>	<u>[Signature]</u>	<u>12-3-07</u>	
3. <u>SHANE EBATTENFIELD</u>	<u>OS TRAINING ILT</u>	<u>[Signature]</u> 66379	<u>11-26-07</u>	<u>[Signature]</u>	<u>12-3-07</u>	
4. <u>Juan S. Cortez</u>	<u>OS Training</u>	<u>[Signature]</u> 68313	<u>11-27-07</u>	<u>[Signature]</u>	<u>12-3-07</u>	
5. _____	_____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____	_____	_____

NOTES:






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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	JOSEPH ARSENAULT	Developer		8/10/07	N/A see Page 5	12/10/07	
2.	David Lazarov	Developer		8/20/07		12/6/07	
3.							
4.							
5.							
6.							
7.							
8.							
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10.							
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12.							
13.							
14.							
15.							



NOTES:

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	JOSEPH ARSENAULT	Developer		8/10/07		12/3/07	
2.							
3.							
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NOTES: