

Chief: H BUNDY

Facility/Task: CW EX

Task Start Date: 12/18/00

	ITEM DESCRIPTION	DUE DATE	INIT	DATE
0	Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Jun 21, 2000	JLP	4/4/2000
1	NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Jun 21, 2000	JLP	4/4/2000
2	Facility contact briefed on security & other issues (C.2.c)	Jun 21, 2000	JLP	4/4/2000
3	Corp. Notification Letter Sent (C.2.d) (Exams only)	Jun 21, 2000	JB	5/26/00
3a	Inspection Announcement Letter Sent (PIR & LORT if req'd)	Nov 3, 2000	NA	—
4	Task Expectations, Issues, & Standards Discussed w/ BC	Sep 19, 2000	JB	7/19/00
5*	[Reference Material Due (C.1.d;C.3.c)]	Aug 20, 2000	NA	—
6*	Integrated Exam Outlines Due (C.1.d&e;C.3.d)	Aug 20, 2000	JB	9/5/00
7*	Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	Sep 3, 2000	JB	9/6/00
8*	Preliminary Applications Due (C.1.j;C.2.g;ES202)	Nov 18, 2000	JB	10/9/00
9*	Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	Oct 19, 2000	JB	10/2/00
10*	Peer Reviewer Initials As Reviewed All Parts*	Oct 29, 2000	JB	10/12/00
11*	NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Oct 29, 2000	JB	10/12/00
12*	Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	Oct 29, 2000	JB	11/16/00
13*	Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Dec 4, 2000	JB	10/29/00
14*	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Dec 11, 2000	JB	11/29
15*	Final Appl. Rec'd & Waivers Sent (C.2.g)	Dec 11, 2000	JB	11/25/00
16*	Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	Dec 11, 2000	JB	11/29/00
17	Exam/Insp Material to Team (C.3.i)	Dec 11, 2000	JB	11/27/00
18*	Fac. graded exam & Comments Rec'd	Dec 30, 2000	JB	12/11/00
19*	NRC Written Grading Completed	Jan 2, 2001	JB	12/14/00
20*	Examiners Finished Grading Op. Tests	Jan 2, 2001	JB	12/26/00
21*	NRC Ch. Ex. Review Completed	Jan 12, 2001	JB	12/29/00
22	NRC BC Review Completed*	Jan 13, 2001	JB	12/28/00
23*	RPS/IP # Examinees Updated Before Report Issued	Jan 18, 2001	JB	12/29/00
24	License/Denials Signed & Report Issued	Jan 18, 2001	JB	12/28/00
25	Package Closed Out	Feb 8, 2001	JB	1/9/00
	Final Inspection Report Issued, Exam Package to OLA, Facility. Contact Notified of Results			

Not required for inspections, except as noted.

* Note Supervisor/Peer initials required.

[] Required NRC-auth. exams only.

When complete, for exams, add to pkg & fwd copy to BC, for insp, fwd orig'l to BC.

Last revised 4/4/00.

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Facility: CALLAWAY PLANT		Date of Examination: NOV/DEC-2000		
Item	Task Description	Initials		
		a	b*	c
W R I T T E N	1. a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	ESB	BMP	JL
	b. Assess whether the outline was systematically prepared and whether all knowledge and ability categories are appropriately sampled.	ESB	BMP	JL
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	ESB	BMP	JL
	d. Assess whether the repetition from previous examination outlines is excessive.	ESB	BMP	JL
S I M	2. a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	ESB	BMP	JL
	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; ensure 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 over successive days.	*	*	
	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.	ESB	BMP	JL
W / T	3. a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks, (2) no more than 30% of the test material is repeated from the last NRC examination, (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks.	*	*	
	b. Verify that: (1) the tasks are distributed among the safety function groupings as specified in ES-301, (2) one task is conducted in a low-power or shutdown condition, (3) 40% of the tasks require the applicant to implement an alternate path procedure, (4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and (5) the in-plant walk-through requires the applicant to enter the RCA.	ESB	BMP	JL
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	ESB	BMP	JL
	d. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on successive days.	ESB	BMP	JL
G E N E R A L	4. a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	ESB	BMP	JL
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	ESB	BMP	JL
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	ESB	BMP	JL
	d. Check for duplication and overlap among exam sections.	ESB	BMP	JL
	e. Check the entire exam for balance of coverage.	ESB	BMP	JL
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	ESB	BMP	JL
a. Author	Edward B. Stewart <i>Edward B. Stewart</i>			Date
b. Facility Reviewer(*)	S.M. PUTTAPATI <i>S.M. Puttapati</i>			8/30/2000
c. Chief Examiner/ROV staff	S.L. McCreary <i>S.L. McCreary</i>			20000830
d. NRC Supervisor	H.F. Bandy <i>H.F. Bandy</i>			9/16/00
(*) Not applicable for NRC-developed examinations.				

* Applicants' audit tests and scenarios have not been written at this time

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NUREG-1021, Revision 8

ESB
8/30/00

Facility: <i>Callaway Plant</i>		Date of Exam: <i>11/30/2000</i>		Exam Level: <i>RO/SRO</i>	
Item Description	Initial				
	a	b*	c*		
1. Questions and answers technically accurate and applicable to facility	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
4. No more than 25 questions are duplicated from [practice exams, quizzes, and] the last two NRC licensing exams; enter the actual number of duplicated questions at right	NRC	Other	<i>EPB</i>		
	<i>0</i>	<i>0</i>			
5. [No (Less than 5 percent) question duplication from the license screening/audit exam (if independently written)]	<i>*</i>	<i>*</i>			
6. Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New		
	<i>0</i>	<i>0</i>	<i>100</i>		
7. Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory	C/A	<i>EPB</i>		
	RO <i>45</i>	<i>55</i>			
	SRO <i>41</i>	<i>59</i>			
8. References/handouts provided do not give away answers	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
9. Question distribution meets previously approved examination outline; deviations are justified	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
10. Question psychometric quality and format meet ES, Appendix B, guidelines	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	<i>EPB</i>	<i>SMP</i>	<i>M</i>		
a. Author		Printed Name / Signature		Date	
b. Facility Reviewer(*)		<i>Edward B. Stewart</i>		<i>9/28/00</i>	
c. NRC Chief Examiner(*)		<i>STANLEY M. PATTON</i>		<i>2000/12/0</i>	
d. NRC Regional Supervisor(*)		<i>RYAN LANTZ</i>		<i>015/00</i>	
		<i>H.F. Bundy</i>		<i>10/12/00</i>	
<p>Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required. # See special instructions (Section E.2.c) for Items 1, 4, 5, and 6. [] The items in brackets do not apply to NRC-prepared examinations.</p>					

** Audit exam not written at this time*

Facility: <u>CAHAWAY PLANT</u>		Date of Examination: <u>11/30/2000</u>			Operating Test Number:		
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).	ESB	BUMP	M			
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	ESB	BUMP	M			
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	*	*				
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	ESB	BUMP	M			
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	ESB	BUMP	M			
2. WALK-THROUGH (CATEGORY A & B) 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 · validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee · 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 	ESB	BUMP	M			
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	ESB	BUMP	M			
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.	ESB	BUMP	M			
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	ESB	BUMP	M			
3. SIMULATOR (CATEGORY C) CRITERIA				--	--	--	
a.	The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	ESB	BUMP	M			
		Printed Name / Signature		Date			
a.	Author	<u>Edward B. Stewart / Edward B. Stewart</u>			<u>9/28/2000</u>		
b.	Facility Reviewer (*)	<u>Stanley M. Putthoff / Stanley M. Putthoff</u>			<u>20000928</u>		
c.	NRC Chief Examiner (*)	<u>RYAN LANTZ, IS</u>			<u>10/5/00</u>		
d.	NRC Supervisor (*)	<u>H.F. Bundy / H.F. Bundy for</u>			<u>10/12/00</u>		
(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.							

* Audit test not written at this time.

Facility: <i>Callaway Plant</i>		Date of Exam: <i>December 2000</i>	Scenario Numbers: <i>11210/6</i>	Operating Test No.:
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.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
2.	The scenarios consist mostly of related events.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
3.	Each event description consists of · 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)	<i>ESB</i>	<i>SMP</i>	<i>M</i>
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.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
5.	The events are valid with regard to physics and thermodynamics.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
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.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
8.	The simulator modeling is not altered.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	<i>*</i>	<i>*</i>	
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.4 of ES-301.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	<i>ESB</i>	<i>SMP</i>	<i>M</i>
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).	<i>ESB</i>	<i>SMP</i>	<i>M</i>
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	<i>ESB</i>	<i>SMP</i>	<i>M</i>
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes		
1.	Total malfunctions (5-8)	<i>12/10</i> <i>6, 7, 7</i>	<i>ESB</i>	<i>SMP</i>
2.	Malfunctions after EOP entry (1-2)	<i>2, 2, 2</i>	<i>ESB</i>	<i>SMP</i>
3.	Abnormal events (2-4)	<i>3, 4, 3</i>	<i>ESB</i>	<i>SMP</i>
4.	Major transients (1-2)	<i>1, 1, 2</i>	<i>ESB</i>	<i>SMP</i>
5.	EOPs entered/requiring substantive actions (1-2)	<i>2, 2, 2</i>	<i>ESB</i>	<i>SMP</i>
6.	EOP contingencies requiring substantive actions (0-2)	<i>1, 0, 1</i>	<i>ESB</i>	<i>SMP</i>
7.	Critical tasks (2-3)	<i>3, 3, 2</i>	<i>ESB</i>	<i>SMP</i>

*SCENARIO Validation scheduled 11/13/2000

Facility: <u>CALLAWAY PLANT</u> Date of Exam: <u>DEC 2000</u> Scenario Numbers: <u>1, 2, 9, 10</u> Operating Test No.:			
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.	<u>ES</u>	<u>SM</u>	
2. The scenarios consist mostly of related events.	<u>ES</u>	<u>SM</u>	
3. Each event description consists of • 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)	*	*	
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.	<u>ES</u>	<u>SM</u>	
5. The events are valid with regard to physics and thermodynamics.	<u>ES</u>	<u>SM</u>	
6. Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	*	*	
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.	*	*	
8. The simulator modeling is not altered.	*	*	
9. The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	*	*	
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.4 of ES-301.	<u>ES</u>	<u>SM</u>	
11. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	*	*	
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).	<u>ES</u>	<u>SM</u>	
13. The level of difficulty is appropriate to support licensing decisions for each crew position.	<u>ES</u>	<u>SM</u>	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)	<u>11/2/3/4</u> Actual Attributes	--	--
1. Total malfunctions (5-8)	<u>6, 7, 7</u>	<u>ES</u>	<u>SM</u>
2. Malfunctions after EOP entry (1-2)	<u>2, 2, 2</u>	<u>ES</u>	<u>SM</u>
3. Abnormal events (2-4)	<u>3, 4, 3</u>	<u>ES</u>	<u>SM</u>
4. Major transients (1-2)	<u>1, 1, 2</u>	<u>ES</u>	<u>SM</u>
5. EOPs entered/requiring substantive actions (1-2)	<u>2, 2, 2</u>	<u>ES</u>	<u>SM</u>
6. EOP contingencies requiring substantive actions (0-2)	<u>1, 1, 1</u>	<u>ES</u>	<u>SM</u>
7. Critical tasks (2-3)	<u>3, 3, 2</u>	<u>ES</u>	<u>SM</u>

* SCENARIOS HAVE NOT WRITTEN. ES 8/50/2000

UPGRADE SENIOR REACTOR OPERATOR: U1

Scenario	Position	
	SRO	BOP
ILE-12/2000-DS1	X	

Applicant Type	Evolution Type	Minimum Number	Scenario Number		
			1	2	Total
SRO-U	Reactivity	0	0	NA	0
	Normal	1	E	NA	1
	Instrument	1	B, C	NA	2
	Component	1	D, G, H	NA	3
	Major	1	F	NA	1

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Chief Examiner:

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INSTANT SENIOR REACTOR OPERATOR: 11

Scenario	Position		
	RO	SRO	BOP
ILE-12/2000-DS1		X	
ILE-12/2000-DS2	X		

Applicant Type	Evolution Type	Minimum Number	Scenario Number		
			1	2	Total
As RO	Reactivity	1	NA	A	1
	Normal	0	NA	C	1
	Instrument	1	NA	B	1
	Component	1	NA	E, F, H, I	4
SRO-I	Major	1	NA	G	1
As SRO	Reactivity	0	0	NA	0
	Normal	1	E	NA	1
	Instrument	1	B, C	NA	2
	Component	1	D, G, H	NA	3
	Major	1	F	NA	1

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REACTOR OPERATOR: R1

Scenario	Position	
	RO	BOP
ILE-12/2000-DS1	X	
ILE-12/2000-DS2		X

Applicant Type	Evolution Type	Minimum Number	Scenario Number		
			1	2	Total
RO	Reactivity	1	A	0	1
	Normal	1	E	0	1
	Instrument	2	B	D	2
	Component	2	D, G, H	E, H, I	6
	Major	1	F	G	2

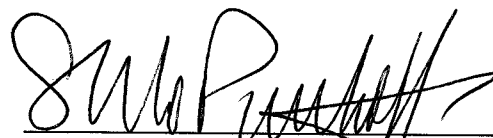
Author: Edward B. Stewart

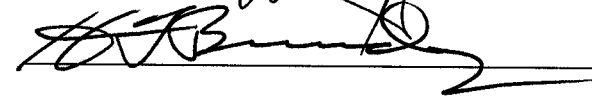
Chief Examiner: H. J. Bundy

REACTOR OPERATOR: R2

Scenario	Position	
	RO	BOP
ILE-12/2000-DS1	X	
ILE-12/2000-DS2		X

Applicant Type	Evolution Type	Minimum Number	Scenario Number		
			1	2	Total
RO	Reactivity	1	A	0	1
	Normal	1	E	0	1
	Instrument	2	B	D	2
	Component	2	D, G, H	E, H, I	6
	Major	1	F	G	2

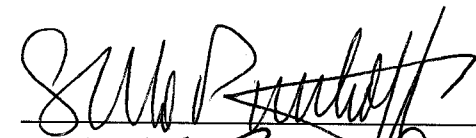
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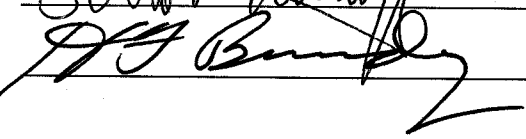
Chief Examiner: 

REACTOR OPERATOR: R3

Scenario	Position	
	RO	BOP
ILE-12/2000-DS1	X	
ILE-12/2000-DS2		X

Applicant Type	Evolution Type	Minimum Number	Scenario Number		
			1	2	Total
RO	Reactivity	1	A	0	1
	Normal	1	E	0	1
	Instrument	2	B	D	2
	Component	2	D, G, H	E, H, I	6
	Major	1	F	G	2

Author: 

Chief Examiner: 

REACTOR OPERATOR: R4

Scenario	Position	
	RO	BOP
ILE-12/2000-DS1		X
ILE-12/2000-DS2	X	

Applicant Type	Evolution Type	Minimum Number	Scenario Number		
			1	2	Total
RO	Reactivity	1	0	A	1
	Normal	1	0	C	1
	Instrument	2	C	B	2
	Component	2	D, G, H	E, F, H, I	7
	Major	1	F	G	2

Author:

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Chief Examiner:

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Competencies	Applicants I2/I3 SRO-I				Applicant U1 SRO-U				Applicant RO/SRO-I/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	B,C D,F	B,D E,F			B,C D,F	N/A						
Diagnose Events and Conditions	B,C D,F	B,D F,G			B,C D,F	N/A						
Understand Plant and System Response	C,D F	C,D F			C,D F	N/A						
Comply With and Use Procedures (1)	C,D F,G H	C,D F			C,D F,G H	N/A						
Operate Control Boards (2)	N/A	C,G H			N/A	N/A						
Communicate and Interact With the Crew	ALL	ALL			ALL	N/A						
Demonstrate Supervisory Ability (3)	B,C D,F	N/A			B,C D,F	N/A						
Comply With and Use Tech. Specs. (3)	B	N/A			B	N/A						

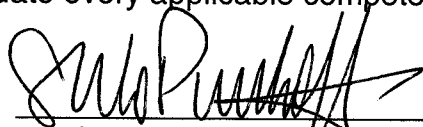
Notes:

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

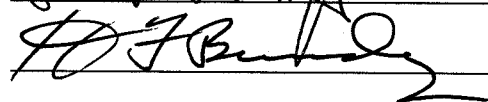
Instructions:

Circle 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.

Author:



Chief Examiner:

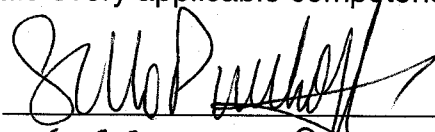


Competencies	Applicant R1 RO				Applicant R2 RO				Applicants I1/I4 SRO-I			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	B,D	B,D F			B,D	B,D F						
Diagnose Events and Conditions	B,D F	B,D E,G			B,D F	B,D E,G						
Understand Plant and System Response	C,D F	B,D F			C,D F	B,D F						
Comply With and Use Procedures (1)	E,G	B,E			E,G	B,E						
Operate Control Boards (2)	B,D E	D,G H,I			B,D E	D,G H,I						
Communicate and Interact With the Crew	ALL	ALL			ALL	ALL						
Demonstrate Supervisory Ability (3)	N/A	N/A			N/A	N/A						
Comply With and Use Tech. Specs. (3)	N/A	N/A			N/A	N/A						
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>												

Instructions:

Circle 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.

Author:



Chief Examiner:



Competencies	Applicant R3 RO				Applicant R4 RO				Applicants I1/I4 SRO-I			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	B,D	B,D F			B,D	B,D E,F						
Diagnose Events and Conditions	B,D F	B,D E,G			C,D	B,D F,G						
Understand Plant and System Response	C,D F	B,D F			C,D F	C,D F						
Comply With and Use Procedures (1)	E,G	B,E			C,D F	C,D F						
Operate Control Boards (2)	B,D E	D,G H,I			C,G H	C,G H						
Communicate and Interact With the Crew	ALL	ALL			ALL	ALL						
Demonstrate Supervisory Ability (3)	N/A	N/A			N/A	N/A						
Comply With and Use Tech. Specs. (3)	N/A	N/A			N/A	N/A						

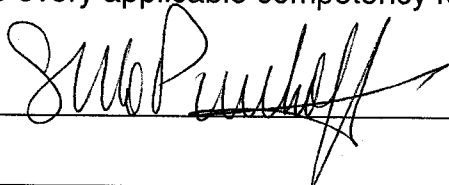
Notes:

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

Instructions:

Circle 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.

Author:



Chief Examiner:

Facility: <i>CALHAWAY Plant</i> Date of Exam: <i>11/30/2008</i> Exam Level: <i>RO/SRO</i>			
Item Description	Initials		
	a	b	c
1. Answer key changes and question deletions justified and documented	<i>ESB</i>	<i>SNMP</i>	<i>ESB</i>
2. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>ESB</i>	<i>SNMP</i>	<i>ESB</i>
3. Grading for all borderline cases (80% +/- 2%) reviewed in detail <i>NO BORDERLINE CASES</i>	<i>N/A</i>	<i>N/A</i>	<i>NA</i> <i>ESB</i>
4. All other failing examinations checked to ensure that grades are justified <i>NO FAILURES</i>	<i>N/A</i>	<i>N/A</i>	<i>NA</i>
5. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>ESB</i>	<i>SNMP</i>	<i>ESB</i>
Printed Name / Signature		Date	
a. Grader	<i>Edward B. Stewart / ESB</i>	<i>Edward B. Stewart</i>	<i>12/1/00</i>
b. Facility Reviewer(*)	<i>S.M. PUTTHOFF / SNMP</i>	<i>S.M. Putthoff</i>	<i>2000/12/01</i>
c. NRC Chief Examiner (*)	<i>H.F. Brady / HFB</i>	<i>H.F. Brady</i>	<i>12/12/00</i>
d. NRC Supervisor (*)	<i>J. Pellet</i>	<i>John Pellet</i>	<i>12/15/00</i>
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.			

Facility: <u>Callaway Plant</u> Date of Exam: <u>11/30/2000</u> Exam Level: <u>RO/SRO</u>			
Item Description	Initials		
	a	b	c
1. Answer key changes and question deletions justified and documented	<u>EB</u>	<u>SMP</u>	<u>EB</u>
2. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>EB</u>	<u>SMP</u>	<u>EB</u>
3. Grading for all borderline cases (80% +/- 2%) reviewed in detail	<u>EB</u>	<u>SMP</u>	<u>EB</u>
4. All other failing examinations checked to ensure that grades are justified <u>NO failures</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
5. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<u>EB</u>	<u>SMP</u>	<u>EB</u>
Printed Name / Signature		Date	
a. Grader	<u>Edward B. Stewart / EB</u>	<u>Edward B. Stewart</u>	<u>12/1/00</u>
b. Facility Reviewer(*)	<u>S.M. PUTTHOFF / SMP</u>	<u>S.M. Putthoff</u>	<u>2000/12/01</u>
c. NRC Chief Examiner (*)	<u>H.F. Bundy / EB</u>	<u>H.F. Bundy</u>	<u>12/12/00</u>
d. NRC Supervisor (*)	<u>J. Pellet</u>	<u>J. Pellet</u>	<u>12/15/00</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 11/01/2000 To 12/31/2000

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
11/13/2000	Callaway / 05000483 / 2000302			Prep		BUNDY, HOWARD F.	BUNDY, HOWARD F. GAGE, PAUL C.
12/18/2000	Callaway / 05000483 / 2000302	RO - 4 SROU - 1	SROI - 1	Admin	FFF	BUNDY, HOWARD F.	BUNDY, HOWARD F. GAGE, PAUL C.

Sites: CALL

Orgs: 4620

Exam Author: ALL

Operator Licensing Exam Schedule

From 11/01/2000 To 12/31/2000

Region: 4

Phase Code: 5 Operational

Summary By Date

11/2000	CALL - Callaway				
	RO - 0	SROI - 0	SROU - 0	LSRO - 0	Total for Callaway: 0
11/2000					
	RO - 0	SROI - 0	SROU - 0	LSRO - 0	Total for 11/2000: 0
12/2000	CALL - Callaway				
	RO - 4	SROI - 1	SROU - 1	LSRO - 0	Total for Callaway: 6

Operator Licensing Exam Schedule

From 11/01/2000 To 12/31/2000

Region: 4

Phase Code: 5 Operational

Summary By Site

CALL - Callaway

RO - 4

SROI - 1

SROU - 1

LSRO - 0

Total for Callaway: 6

Operator Licensing Exam Schedule

From 11/01/2000 To 12/31/2000

Region: 4

Phase Code: 5 Operational

Summary By Region

Region 4

RO - 4

SROI - 1

SROU - 1

LSRO - 0

Total for Region 4: 6

January 4, 2001



Mr. Howard Bundy, Lead Examiner
U.S. Nuclear Regulatory Commission
Harris Tower
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Howard:

SUBJECT: CALLAWAY PLAINT NOVEMBER/DECEMBER EXAM

Please find enclosed ES-201-3, Examination Security Agreement, for the November/December 2000 Exam.

Should you need any additional information or have any questions concerning the material, please contact Edward Stewart or Stanley Putthoff at (573) 676-4771 or me at (573) 676-8739.

Respectfully,

A handwritten signature in black ink that reads "R. J. Neil".

Richard J. Neil
Shift Supervisor,
Operations Training

RJN/EBS/tmw

Enclosure:
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 11/27/00 12/13/00 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. 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 11/27/00 12/13/00 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. Edward B. Stewart	O.S. / Exam Writer	<i>Edward B. Stewart</i>	8/14/00	<i>Edward B. Stewart</i>	12/27/00	
2. S. M. PUTTHOFF	OP SUPER/EXAM WRITER	<i>S. M. Putthoff</i>	2/20/01	<i>S. M. Putthoff</i>	2/20/01	12/27
3. R. J. Neil	SS, Ops Training	<i>R. J. Neil</i>	8/14/00	<i>R. J. Neil</i>	01/02/01	
4. D.K. Branson	Clerk	<i>D. K. Branson</i>	8/15/00	<i>D. K. Branson</i>	12/27/00	
5. Theresa M. Wendring	Clerk	<i>Theresa M. Wendring</i>	8/23/00	<i>Theresa Wendring</i>	1-2-01	
6. Eric T. Schulte	Systems Engineer-Simulator	<i>Eric T. Schulte</i>	8/25/2000	<i>Eric T. Schulte</i>	12/27/2000	
7. John A. Hostman	Training supervisor - simulator	<i>John A. Hostman</i>	9/1/2000	<i>John A. Hostman</i>	1/2/2001	
8. Anna M. Duncan	Training Supv. - prootreader	<i>Anna M. Duncan</i>	9/8/2000	<i>Anna M. Duncan</i>	1/3/2001	
9. SCOTT M. HALVERSON	GENERAL SUPERVISOR, SIMULAZR EXAM ADMINSTR	<i>Scott M. Halverson</i>	9/25/2000	<i>Scott M. Halverson</i>	12/28/2000	
10. Ballard Simmons	Operating Supervisor	<i>Ballard Simmons</i>	9/29/00	<i>Ballard Simmons</i>	1/2/2001	#1
11. DALE E. NICHOLS	R.O.	<i>Dale E. Nichols</i>	9/27/00	<i>Dale E. Nichols</i>	1/2/01	
12. Gerald W Holtmeyer	R.O.	<i>Gerald W Holtmeyer</i>	9/27/00	<i>Gerald W Holtmeyer</i>	1-4-01	
13. JOHN E. OAKES	Systems Engineer - Simulator	<i>John E. Oakes</i>	10/11/2000	<i>John E. Oakes</i>	01/02/2001	
14. ANDREW G. NELSON	SIM. S/W SPEC	<i>Andrew G. Nelson</i>	11/01/2000	<i>Andrew G. Nelson</i>	12/27/2000	
15. Stephen L. Turner	RIC Supervisor	<i>Stephen L. Turner</i>	11/02/00	<i>Stephen L. Turner</i>	1/4/01	#2

NOTES: #1 Signed Ballard Simmons off per telcom on 1/2/01 Edward B. Stewart
 #2 Signed Stephen L. Turner off per telcom on 1/4/01 Edward B. Stewart

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/27/00 + 12/12/00 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. 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 11/27/00 + 12/12/00. 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. Michael D Jennings	Training Supv / LOCT	<i>M Jennings</i>	11-13-2000	<i>M Jennings</i>	1-2-2001
2. JAMES W. DUMAS	Reactor Operator	<i>James W Dumas</i>	11-14-2000	<i>James W Dumas</i>	1-2-2001
3. GREGORY L BRADLEY	OPERATIONS SUPERVISOR	<i>G Bradley</i>	11-15-2000	<i>G Bradley</i>	1/4/01
4. EVELYN H. BRADLEY	operations supervisor	<i>E H Bradley</i>	11/15/2000	<i>E H Bradley</i>	1/4/01
5. Mark J. Mulewski	STS, Inst. Sys. Dev.	<i>Mark J Mulewski</i>	11/16/2000	<i>Mark J Mulewski</i>	1/2/01
6. J. D. Blosser	Mgr. Ops Support	<i>J Blosser</i>	12/20/2000	<i>J Blosser</i>	1/4/01
7. JPAufdemberg	Operating Supervisor	<i>J Aufdemberg</i>	12/20/00	<i>J Aufdemberg</i>	1/2/01
8. Robert B. Moody III	Operating Supervisor	<i>Robert B Moody III</i>	12/20/00	<i>Robert B Moody III</i>	12/27/00
9. SAMUEL V. HENDERSON II	OPERATING SUPERVISOR	<i>Samuel V Henderson II</i>	12/20/00	<i>Samuel V Henderson II</i>	1/2/2001
10.					
11.					
12.					
13.					
14.					
15.					

NOTES: