

Assignment Tickler: **Paul Gage, GG IN EX**

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

Due Date	Chief	Facility/ Task	Description	Date Complete	Notes
2/20/05	PCG	GG IN EX	Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	3/1/05	
2/20/05	PCG	GG IN EX	NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	3/1/05	
2/20/05	PCG	GG IN EX	Facility contact briefed on security & other issues (C.2.c)	3/1/05	
2/20/05	PCG	GG IN EX	Corp. Notification Letter Sent (C.2.d) (Exams only)	3/1/05	
7/5/05	PCG	GG IN EX	Inspection Announcement Letter Sent (PIR & LORT if req'd)	N/A	
5/21/05	PCG	GG IN EX	Task Expectations, Issues, & Standards Discussed w/ BC	4/28/05	
4/21/05	PCG	GG IN EX	[Reference Material Due (C.1.d;C.3.c)	4/19/05	
4/21/05	PCG	GG IN EX	Integrated Exam Outlines Due (C.1.d&e;C.3.d)	4/19/05	
5/5/05	PCG	GG IN EX	Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	4/28/05	
7/20/05	PCG	GG IN EX	Preliminary Applications Due (C.1.j;C.2.g;ES202)	7/13/05	
6/20/05	PCG	GG IN EX	Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	6/22/05	
6/30/05	PCG	GG IN EX	Peer Reviewer Initials As Reviewed All Parts*	6/29/05	written exam f/b issues provided
6/30/05	PCG	GG IN EX	NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	NA	facility developed
6/30/05	PCG	GG IN EX	Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	6/29/05	
8/5/05	PCG	GG IN EX	Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	8/8/05	
8/12/05	PCG	GG IN EX	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Rec'd 8/12/05	
7/29/05	PCG	GG IN EX	Director debrief (PIR Only)	NA	
8/12/05	PCG	GG IN EX	Final Appl. Rec'd & Waivers Sent (C.2.g)	8/3/05	
8/12/05	PCG	GG IN EX	Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	7/21/05	

Assignment Tickler: **Paul Gage, GG IN EX**

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

8/12/05	PCG	GG IN EX	Exam/Insp Material to Team (C.3.i)	8/11/05 <sup>2</sup>	
8/31/05	PCG	GG IN EX	Fac. graded exam & Comments Rec'd	8/23/05	
8/19/05	PCG	GG IN EX	Administer Exam/Conduct Inspection	8/17/05	
9/3/05	PCG	GG IN EX	NRC Written Grading Completed	8/24/05	
9/3/05	PCG	GG IN EX	Examiners Finished Grading Op. Tests	8/25/05	
9/13/05	PCG	GG IN EX	NRC Ch. Ex. Review Completed	8/25/05	
9/14/05	PCG	GG IN EX	NRC BC Review Completed*	8/25/05 <sup>2</sup>	
9/19/05	PCG	GG IN EX	RPS/IP # Examinees Updated Before Report Issued	9/19/05	
9/19/05	PCG	GG IN EX	License/Denials Signed & Report Issued	10/3/05	
10/10/05	PCG	GG IN EX	Package Closed Out	12/21/05	
11/17/05	PCG	GG IN EX	Chief QA of ADAMS	12/21/05	

10/03/2005

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Report 21

## Operator Licensing Exam Schedule

From 10/01/2004 To 09/30/2005

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
06/13/2005	Grand Gulf / 05000416 / 2005301 TAC #: X02285	RO - 1 SROU - 2	SROI - 1	Prep	FFF	GAGE, PAUL C.	GAGE, PAUL C. GARCHOW, STEPHEN M.
07/25/2005	Grand Gulf / 05000416 / 2005004 Procedure #: 7111111B					MCKERNON, THOMAS O.	MCKERNON, THOMAS O. STETKA, THOMAS F.
07/25/2005	Grand Gulf / 05000416 / 2005301 TAC #: X02285			Prep	FFF	GAGE, PAUL C.	GAGE, PAUL C. GARCHOW, STEPHEN M.
08/15/2005	Grand Gulf / 05000416 / 2005301 TAC #: X02285			Admin	FFF	GAGE, PAUL C.	GAGE, PAUL C. GARCHOW, STEPHEN M.
08/22/2005	Grand Gulf / 05000416 / 2005301 TAC #: X02285			Doc	FFF	GAGE, PAUL C.	GAGE, PAUL C. GARCHOW, STEPHEN M.

Sites: GG

Orgs: 4620

Exam Author: ALL

Facility: <u>GRAND GULF NUCLEAR STATION</u>		Date of Examination: <u>15 AUGUST 2005</u>		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	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.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	<u>ML</u>	<u>ME</u>	<u>QL</u>
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.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	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.	<u>ML</u>	<u>ME</u>	<u>QL</u>
3. W I T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	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	<u>ML</u>	<u>ME</u>	<u>QL</u>
	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.	<u>ML</u>	<u>ME</u>	<u>QL</u>
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	d. Check for duplication and overlap among exam sections.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	e. Check the entire exam for balance of coverage.	<u>ML</u>	<u>ME</u>	<u>QL</u>
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	<u>ML</u>	<u>ME</u>	<u>QL</u>
a. Author <u>Michael K. Rasch</u> b. Facility Reviewer (*) <u>Mickey Ellis</u> c. NRC Chief Examiner (#) <u>Paul Gage</u> d. NRC Supervisor <u>Anthony Gony</u>		Printed Name/Signature <u>Michael K. Rasch</u> <u>Mickey Ellis</u> <u>Paul Gage</u> <u>Anthony Gony</u>		Date <u>4/11/2005</u> <u>4/28/05</u> <u>5/16/05</u>
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

Facility: Grand Gulf Nuclear Station		Date of Exam:		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initial				
	a	b*	c*		
1. Questions and answers are technically accurate and applicable to the facility.	ME	ME	SM6		
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	ME	ME	SM6		
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	ME	ME	SM6		
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).	ME	ME	SM6		
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 ___ the licensee certifies that there is no duplication; or ___ other (explain)	ME	ME	SM6		
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 0 / 0	Modified 1 / 1	New 74 / 99		
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 35 / 44	C/A 40 / 56			
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	ME	ME	SM6		
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.	ME	ME	SM6		
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	ME	ME	SM6		
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.	ME	ME	SM6		
<div style="display: flex; justify-content: space-between;"> <div>           a. Author            b. Facility Reviewer (*)            c. NRC Chief Examiner (#)            d. NRC Regional Supervisor         </div> <div>           Printed Name / Signature            Michael K. Rasch            Kyle Grillis            Mickey J. Ellis            Stephen Garchow            Ryan Canty         </div> <div>           Date            7/29/05            7/29/05            8/18/05            8/12/05         </div> </div>					
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: <b>GRAND GULF NUCLEAR STATION</b>		Date of Examination: <b>08/15/2005 – 08/19/2005</b>		
1. GENERAL CRITERIA		Initials		
		a	b*	C#
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	<i>✓</i>	<i>ME</i>	<i>Q</i>
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<i>✓</i>	<i>ME</i>	<i>Q</i>
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	<i>✓</i>	<i>ME</i>	<i>Q</i>
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	<i>✓</i>	<i>ME</i>	<i>Q</i>
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<i>✓</i>	<i>ME</i>	<i>Q</i>
2. WALK-THROUGH (CATEGORY A & B) CRITERIA		--	--	--
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>	<i>m</i>	<i>ME</i>	<i>Q</i>
b.	Ensure that any changes from the previously approved systems and administrative walk through outlines (Forms 301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g. item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2..	<i>m</i>	<i>ME</i>	<i>Q</i>
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.	<i>✓</i>	<i>ME</i>	<i>Q</i>
Printed Name / Signature		Date		
a. Author	<i>Michael K. Rascia</i> <i>Michael Rascia</i>	<i>6/16/2005</i>		
b. Facility Reviewer(*)	<i>Mickey Ellis</i> <i>Mickey Ellis</i>	<i>6/20/05</i>		
c. NRC Chief Examiner (#)	<i>Paul Gage</i> <i>Paul Gage</i>	<i>8/1/05</i>		
d. NRC Supervisor	<i>RYAN LANTZ</i> <i>Ryan Lantz</i>	<i>8/9/05</i>		
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.				

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **08/15/2005 – 08/18/2005** Scenario Numbers: **1 / 2 / 3bu**

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.	✓	ME	Q
2.	The scenarios consist mostly of related events.	✓	ME	Q
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>	✓	ME	Q
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.	✓	ME	Q
5.	The events are valid with regard to physics and thermodynamics.	✓	ME	Q
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	✓	ME	Q
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.	✓	ME	Q
8.	The simulator modeling is not altered.	✓	ME	Q
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.	✓	ME	Q
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.	✓	ME	Q
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	✓	ME	Q
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).	✓	ME	Q
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	✓	ME	Q
<b>Target Quantitative Attributes (Per Scenario; See Section D.5.d)</b>		<b>1</b>	<b>2</b>	<b>3bu</b>
		<b>Actual Attributes</b>		
1.	Total malfunctions (5-8)	7 / 5 / 6	✓	ME Q
2.	Malfunctions after EOP entry (1-2)	1 / 2 / 2	✓	ME Q
3.	Abnormal events (2-4)	4 / 2 / 2	✓	ME Q
4.	Major transients (1-2)	1 / 1 / 1	✓	ME Q
5.	EOPs entered/requiring substantive actions (1-2)	1 / 2 / 1	✓	ME Q
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 / 0	✓	ME Q
7.	Critical tasks (2-3)	3 / 2 / 2	✓	ME Q

Facility: <b>Grand Gulf Nuclear Station</b>		Date of Exam: <b>8/15/2005</b>		Operating Test No.:													
A P P L I C A N T	E V E N T  T Y P E	Scenarios												T O T A L	M I N I M U M (*)		
		1			2			3			4						
		C R E W  P O S I T I O N			C R E W  P O S I T I O N			C R E W  P O S I T I O N			C R E W  P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
RO  <b>(SRO-I)</b>  SRO-U	RX		3											1	1	1	0
	NOR				1									1	1	1	1
	I/C		5, 6		3, 4, 5									5	4	4	2
	MAJ		7		5									2	2	2	1
	TS				3, 4									2	0	2	2
RO  <b>(SRO-I)</b>  <b>(SRO-U)</b>	RX													0	1	1	0
	NOR	1												1	1	1	1
	I/C	3, 4, 5, 6, 7												5	4	4	2
	MAJ	7												1	2	2	1
	TS	2, 4												2	0	2	2
<b>(RO)</b>  SRO-I  SRO-U	RX		3											1	1	1	0
	NOR					1								1	1	1	1
	I/C		5, 6			4, 5								4	4	4	2
	MAJ		7			5								2	2	2	1
	TS													0	0	2	2
<b>(RO)</b>  SRO-I  SRO-U	RX				2									1	1	1	0
	NOR			1										1	1	1	1
	I/C			3, 4, 5, 7		3								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 serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
- Reactivity manipulations may be conducted under normal or controlled abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Author:

*Michael K. K...*

NRC Reviewer:

*Paul Hoge*




Facility: <b>Grand Gulf Nuclear Station</b>		Date of Exam: <b>8/15/2005</b>		Operating Test No.: <b>BACKUP</b>													
A P P L I C A N T	E V E N T  T Y P E	Scenarios												T O T A L	M I N I M U M(*)		
		1			2			3			4						
		C R E W  P O S I T I O N			C R E W  P O S I T I O N			C R E W  P O S I T I O N			C R E W  P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
RO  SRO-I  SRO-U	RX								2						1	1	0
	NOR								1						1	1	1
	I/C							3, 4, 5, 6	3, 4, 5	3, 4; 6					4	4	2
	MAJ							7	7	7					2	2	1
	TS							1							0	2	2
RO  SRO-I  SRO-U	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
RO  SRO-I  SRO-U	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
RO  SRO-I  SRO-U	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														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 serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
2. Reactivity manipulations may be conducted under normal or controlled abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Author:



NRC Reviewer:



Facility: **Grand Gulf Nuclear  
Station**Date of Examination: **15 August 2005**

Operating Test No.:

Competencies	APPLICANTS															
	RO/SRO-I /SRO-U				RO/SRO-I /SRO-U				RO/SRO-I /SRO-U				RO/SRO-I /SRO-U			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1 (a)	2	3	4	1	2	3	4	1	2	3	4
	atc	SS			SS				atc	bop			bop	atc		
Interpret/Diagnose Events and Conditions	2; 3; 5; 6; 7	2; 3; 4; 5			2; 3; 4; 5; 6; 7				2; 3; 5; 6; 7	1; 4; 5			3; 4; 5	2; 3; 5		
Comply With and Use Procedures (1)	2; 3; 5; 6; 7	2; 3; 4; 5			2; 3; 4; 5; 6; 7				2; 3; 5; 6; 7	1; 4; 5			1; 3; 4; 5; 7	2; 3; 4; 5		
Operate Control Boards (2)	3; 5; 6; 7	N/A			N/A				3; 5; 6; 7	1; 4; 5			1; 3; 4; 5; 7	2; 3; 5		
Communicate and Interact	2; 3; 4; 5; 6; 7	ALL			ALL				2; 3; 4; 5; 6; 7	1; 4; 5			1; 3; 4; 5; 7	2; 3; 4; 5		
Demonstrate Supervisory Ability (3)	N/A	ALL			ALL				N/A	N/A			N/A	N/A		
Comply With and Use Tech Specs (3)	N/A	3; 4			2; 4				N/A	N/A			N/A	N/A		

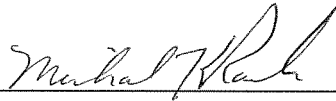
## Notes:

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

## Instructions:

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

Author:



NRC Reviewer:



Note: (a) Both SRO-U Candidates will be the SS using Scenario 1.

**BACKUP SCENARIO**

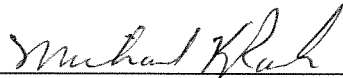
Facility: <b>Grand Gulf Nuclear Station</b> Date of Exam: <b>15 August 2005</b> Operating Test No.:																	
Competencies	Applicants																
	RO/SRO-I/ SRO-U				RO/SRO-I/ SRO-U				RO/SRO-I/ SRO-U				RO/SRO-I/ SRO-U				
	SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
			<b>SS</b>				<b>ATC</b>				<b>BOP</b>						
Interpret/Diagnose Events and Conditions			3; 4; 5; 6; 7				3; 4; 5; 7				3; 4; 6; 7						
Comply With and Use Procedures (1)			1; 3; 4; 6; 7				1; 2; 3; 4; 5; 7				3; 4; 6; 7						
Operate Control Boards (2)			N/A				1; 2; 3; 4; 5; 7				3; 4; 6; 7						
Communicate and Interact			ALL				ALL				ALL						
Demonstrate Supervisory Ability (3)			ALL				N/A				N/A						
Comply With and Use Tech Specs (3)			3				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 applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Author:



NRC Reviewer:



Facility: <u>GRAND GULF NUCLEAR STATION</u>		Date of Exam: <u>8/22/2005</u>		Exam Level: <u>RO/SRO</u>	
Item Description		Initials			
		a	b	c	
1.	Clean answer sheets copied before grading	<u>ME</u>	<u>ME</u>	<u>SP</u>	
2.	Answer key changes and question deletions justified and documented	<u>ME</u>	<u>ME</u>	<u>SP</u>	
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>ME</u>	<u>ME</u>	<u>SP</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>ME</u>	<u>ME</u>	<u>SP</u>	
5.	All other failing examinations checked to ensure that grades are justified	<u>ME</u>	<u>ME</u>	<u>SP</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>ME</u>	<u>ME</u>	<u>SP</u>	

Printed Name/Signature		Date
a. Grader	<u>Michael K. Rasch</u> <u>Michael K. Rasch</u>	<u>8/24/2005</u>
b. Facility Reviewer(*)	<u>Mickey Ellis</u> <u>Mickey Ellis</u>	<u>8/24/05</u>
c. NRC Chief Examiner (*)	<u>Paul Gage</u> <u>Paul Gage</u>	<u>8/26/05</u>
d. NRC Supervisor (*)	<u>Sam Ellis</u> <u>RYAN LANTZ</u>	<u>9/21/05</u>

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

① Found error on Scantron Key for RO exam Key marked "B" for question 42. The correct answer was "C". The candidate chose the correct answer. This was noted on Review of grading and corrected.

ME 8/22/2005

Facility: <u>GRAND GULF NUCLEAR STATION</u> Date of Exam: <u>8/22/2005</u> Exam Level: <u>RO/SRO</u>			
Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	<u>✓</u>	<u>ME</u>	<u>ℓ</u>
2. Answer key changes and question deletions justified and documented	<sup>①</sup> <u>✓</u>	<u>ME</u>	<u>ℓ</u>
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>✓</u>	<u>ME</u>	<u>ℓ</u>
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	<u>✓</u>	<u>ME</u>	<u>ℓ</u>
5. All other failing examinations checked to ensure that grades are justified	<u>✓</u>	<u>ME</u>	<u>ℓ</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>✓</u>	<u>ME</u>	<u>ℓ</u>

Printed Name/Signature		Date
a. Grader	<u>Michael K. Rasch</u> <u>Michael Rasch</u>	<u>8/24/2005</u>
b. Facility Reviewer(*)	<u>Mickey Ellis</u> <u>Mickey Ellis</u>	<u>8/24/05</u>
c. NRC Chief Examiner (*)	<u>Paul Gage</u> <u>Paul Gage</u>	<u>8/26/05</u>
d. NRC Supervisor (*)	<u>RYAN LANTZ</u> <u>Ryan Lantz</u>	<u>9/21/05</u>

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① Question 99 stem stated "Reactor Recirc Pump B seal cavity #2 is 1000psi's"  
 this should have stated  
 "Reactor Recirc Pump A seal cavity #2 is 1000psi's"  
 Corrected during administration and noted on white board.  
 mRasch 8/22/2005

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Aug 12-19 <sup>2005</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.

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 Aug 12-19 <sup>2005</sup>. 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 K. Rasch	OPS INSTRUCTOR / Exam Developer	<i>Michael Rasch</i>	2/1/2005	<i>Michael Rasch</i>	8/22/2005	
2. Mickey Ellis	LDR SUPV	<i>Mickey Ellis</i>	2/9/05	<i>Mickey Ellis</i>	8/22/05	
3. Tommy Harellson	OPS INSTRUCTOR / EXAM DEVELOPER	<i>Tommy Harellson</i>	2-9-05	<i>T. Harellson</i>	8/22/05	
4. M. MAEL JANSSEN	SENIOR LICENSING SPECIALIST	<i>M. Mael Janssen</i>	2/14/05	<i>M. Mael Janssen</i>	8/22/05	
5. Steven Angel	RO / non RX	<i>Steven Angel</i>	4/14/05	<i>Steven Angel</i>	8/24/05	
6. Stewart Dixon	RO	<i>Stewart Dixon</i>	4-14-05	<i>Stewart Dixon</i>	8-25-05	
7. Jerry Stuckey	RO	<i>Jerry Stuckey</i>	4-14-05	<i>Jerry Stuckey</i>	8-25-05	
8. ROBERT A. THOMPSON	SRO/STA	<i>Robert A. Thompson</i>	4/14/05	<i>Robert A. Thompson</i>	8-25-05	
9. Robert E. Goldman	Engineer / Simulator Software	<i>Robert E. Goldman</i>	4/20/05	<i>Robert E. Goldman</i>	8-25-05	
10. David K. Grillis	Ops Instructor	<i>David K. Grillis</i>	4-28-05	<i>David K. Grillis</i>	8-24-05	
11. Shawn McKeever	SRO / STA	<i>Shawn McKeever</i>	5/13/05	<i>Shawn McKeever</i>	8-24-05	
12. Michael Starves	RO	<i>Michael Starves</i>	5-13-05	<i>Michael Starves</i>	8-24-05	
13. Jason Hayes	RO	<i>Jason Hayes</i>	5/13/05	<i>Jason Hayes</i>	8-24-05	
14. Frank Weaver	SRO/STA/SM	<i>Frank Weaver</i>	5-13-05	<i>Frank Weaver</i>	8-25-05	
15. Larry Buffkin	RO	<i>Larry Buffkin</i>	5-17-05	<i>Larry Buffkin</i>	8-22-05	

NOTES:

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Rickey M Liddell</u>	<u>SRO/STA</u>	<u>[Signature]</u>	<u>5/17/05</u>	<u>[Signature]</u>	<u>8-24-05</u>	
2. <u>Robert Brown</u>	<u>SRO/CRS</u>	<u>[Signature]</u>	<u>5/17/05</u>	<u>[Signature]</u>	<u>8/24/05</u>	
3. <u>Chad Rogers</u>	<u>RO</u>	<u>[Signature]</u>	<u>5-20-05</u>	<u>[Signature]</u>	<u>8-22-05</u>	
4. <u>Russell Russell</u>	<u>RO</u>	<u>[Signature]</u>	<u>5/20/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	
5. <u>Rick Ingram</u>	<u>SRO/STA</u>	<u>[Signature]</u>	<u>5/20/05</u>	<u>[Signature]</u>	<u>8/25/05</u>	
6. <u>Dexter Smith</u>	<u>SRO/CRS</u>	<u>[Signature]</u>	<u>5/23/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	
7. <u>S.A. Elliott</u>	<u>RO</u>	<u>[Signature]</u>	<u>5/23/05</u>	<u>[Signature]</u>	<u>6 Sept 05</u>	
8. <u>Donnie Brown</u>	<u>RO</u>	<u>[Signature]</u>	<u>23 May 05</u>	<u>[Signature]</u>	<u>22 Aug 05</u>	
9. <u>Hardy Farris</u>	<u>SRO/STA</u>	<u>[Signature]</u>	<u>5/23/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	
10. <u>BARRY McGuffee</u>	<u>NOB-NLO</u>	<u>[Signature]</u>	<u>5/23/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	
11. <u>Norman F. McGuffee</u>	<u>NOB</u>	<u>[Signature]</u>	<u>5/23/05</u>	<u>[Signature]</u>	<u>9-6-05</u>	
12. <u>Cecil W. McMillan</u>	<u>RO</u>	<u>[Signature]</u>	<u>6/10/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	
13. <u>CARLOS Dawson II</u>	<u>RO</u>	<u>[Signature]</u>	<u>6/10/05</u>	<u>[Signature]</u>	<u>8/25/05</u>	
14. <u>JOHN CHARLES BELL</u>	<u>EXAM BANK SUPPORT</u>	<u>[Signature]</u>	<u>6/15/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	<u>None</u>
15. <u>D.M. (Mike) Beard</u>	<u>SM/SRO</u>	<u>[Signature]</u>	<u>6/22/05</u>	<u>[Signature]</u>	<u>8/22/05</u>	

NOTES:

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Aug 12-19

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	<u>ROBERT W. HOGUE</u>	<u>Reactor Operator</u>	<u>Robert W. Hogue</u>	<u>6-22-05</u>	<u>Robert W. Hogue</u>	<u>8-24-05</u>	
2.	<u>Brian Blanche</u>	<u>SRO / Shift MSR</u>	<u>Brian Blanche</u>	<u>6/22/05</u>	<u>Brian Blanche</u>	<u>8/22/05</u>	
3.	<u>Terry Holcombe</u>	<u>SRO / Shift Manager</u>	<u>Terry Holcombe</u>	<u>6/29/05</u>	<u>Terry Holcombe</u>	<u>8/25/05</u>	
4.	<u>ALLIE E. GRIFFIN</u>	<u>LECTECH / SIM MAINT.</u>	<u>Allie E. Griffin</u>	<u>6/29/05</u>	<u>Allie E. Griffin</u>	<u>8/22/05</u>	
5.	<u>OGDEN J. MILLER</u>	<u>Manager, Training &amp; Development</u>	<u>Ogden J. Miller</u>	<u>7-25-05</u>	<u>Ogden J. Miller</u>	<u>8/22/05</u>	
6.	<u>Marty McAulry</u>	<u>SRO / Shift Manager / Instructor</u>	<u>Marty McAulry</u>	<u>8-15-05</u>	<u>Marty McAulry</u>	<u>8/24/05</u>	
7.	<u>CURTIS BUFORD</u>	<u>Ops WSTR</u>	<u>Curtis Buford</u>	<u>8/6/05</u>	<u>Curtis Buford</u>	<u>8/24/05</u>	
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11.							
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14.							
15.							

NOTES:



9/13/2005

\* NRC Examination Validator Shawn F. McKeever Docket # 55-41103 SOP-44158  
Senior Reactor Operator has left Entergy and GGNS for a private contractor. Shawn  
terminated his employment with Entergy as of August 1, 2005.