

September 20, 2007

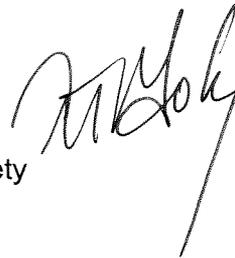
NOTE TO: Mark Haire
Chief Examiner, Operations Branch

FROM: Tony Gody, Chief
Operations Branch
Division of Reactor Safety

SUBJECT: EXAMINATION ASSIGNMENT

You have been assigned as Chief of the Grand Gulf examination. The ~~operating~~^{WRITTEN RETAKE} test has been scheduled to be completed by March 31, 2008. Thank you for contacting the Grand Gulf facility to finalize the details of the examination. You are reminded that the RPS/IP system must be maintained to ensure that the examiners and numbers of candidates are accurate. In addition, you are reminded that only qualified examiners are permitted to conduct any part of the examination.

Tony Gody, Chief
Operations Branch
Division of Reactor Safety



CHIEF:	Mark Haire	FACILITY:	Grand Gulf RETAKE	DATE of OPERATING EXAM:	3/31/2008
Due Date	Description	Date Complete	Initials	Notes	
10/3/07	Exam Administration Date Confirmed (C.1.a; C.2.a & b)	10/3/07	MSH		
12/2/07	NRC Staff & Facility Contact Assigned (C.1.d; C.2.e)	12/5/07	MSH		
12/2/07	Facility Contact Briefed on Security & Other Req's (C.2.c)	12/5/07	MSH		
12/2/07	Corporate Notification Letter (ES-201 Att-3) Sent (C.2.d)	12/5/07	MSH	produced by Chief Examiner	12/4/07
1/1/08	Reference Material Due (if NRC authored) (C.1.e; C.3.c)	N/A	MSH		
1/16/08	Integrated Exam Outlines Due (C.1.e & f; C.3.d)	1/9/08	MSH	CONFIRMED ON	12/3/07
1/21/08	Outlines Review & NRC Feedback Provided (c.2.h; C.3.e)	1/15/08	MSH		
2/15/08	Draft Exams w/References Due (C.1.e,f,g,h; C.3.d)	2/15/08	JMB	CONFIRMED ON	12/5/07
3/1/08	*Peer Reviewer Completes Review of Exam on ES-401-9	2/22/08	JMB		
3/1/08	*NRC BC Approves Feedback to Facility (C.2.h; C.3.f)	3/5/08	JMB		
3/1/08	*Exams Reviewed w/ Fac. (C.1.h; C.2.f & h; C.3.g)	3/5/08	JMB		
3/1/08	Preliminary Applications Due (C.1.i; C.2.g; ES-202)	2/28/08	JMB	CONFIRMED ON	12/5/07
3/6/08	Preliminary Applications Reviewed (C.1.i; C.2.g)	3/6/08	JMB		
3/17/08	Final Applications Due (C.1.i; C.2.i; ES-202)	3/21/08	JMB	CONFIRMED ON	12/5/07
3/17/08	On-Site Preparatory Week to Validate Operating Exam	N/A	MSH		
3/17/08	On-Site Audit (10%) of License App's (ES-202 C.2.e)	N/A	JMB	Performed on initial	Exam
3/24/08	Final Appl. OK'ed & Waiver Letters Sent (ES-204; C.2.e)	3/25	JMB		
3/24/08	NRC Supervisor Approved Final Exams (C.2.i; C.3.h)	3/24	JK		
3/24/08	Exam Approval Letter (ES-201 Att-4) and List of Applicants (ES-201-4) Prepared (C.2.i)	3/21	JMB	produced by OLA	
3/24/08	Proctor Rules Review w/Fac. & Written Authorized (C.3.k)	3/21	JMB		
3/24/08	Exam Material to Exam Team (C.3.i)	N/A	MSH		
3/31/08	Administer ^{WRITTEN} Operating Exam On-Site	3/31/08	JMB	2 SRO-I	CONFIRMED 12/3/07
4/12/08	Facility Graded Exam & Comments Received	4/2/08	JMB		
4/15/08	NRC Written Exam Grading Completed	4/3/08	JMB		
4/15/08	Examiners Document Exam Grades on ES Forms	4/3/08	JMB		
4/25/08	NRC Chief Examiner Grading Review Completed	4/3/08	JMB		
4/26/08	NRC BC Review Completed	4/4/08	JMB		
4/30/08	License/Denials Signed & Report Issued	4/4/08	JMB		
4/30/08	RPS/IP Number of Examinees Updated	4/1/08	JMB	print Report-21	
5/15/08	Examination Report Issued - Drafted	4/10/08	JMB	produced by Chief Examiner	
5/22/08	Package Closed Out	4/14/08	JMB	EXCEPT ADAMS	
5/22/08	Chief QA of ADAMS and SISF review complete	4/14/08	JMB		

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

Final

Facility:		Date of Examination:		
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.	SDR	RFE	SMG
	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.	SDR	RFE	SMG
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	SDR	RFE	SMG
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	SDR	RFE	SMG
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.	/	N/A	/
	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.			
	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.			
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the 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.	/	N/A	/
	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			
	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.			
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.	SDR	RFE	SMG
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	SDR	RFE	SMG
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	SDR	RFE	SMG
	d. Check for duplication and overlap among exam sections.	SDR	RFE	SMG
	e. Check the entire exam for balance of coverage.	SDR	RFE	SMG
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	SDR	RFE	SMG
a. Author <u>Steve Reeves / Steve Reeves</u> b. Facility Reviewer (*) <u>Robert T. Errington / Robert T. Errington</u> c. NRC Chief Examiner (#) <u>S. Garchow / S. Garchow</u> d. NRC Supervisor <u>R. LANTZ / R. LANTZ</u>		Printed Name/Signature		Date 3/13/08 3/13/08 3/25/08 3/24/08
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

3/21/08

Facility: GRAND GULF NUCLEAR STATION		Date of Exam: 03/31/08		Exam Level: RO <input 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.	SOR	RTE	SMB			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	SOR	RTE	SMB			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	SOR	RTE	SMB			
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).	SOR	RTE	SMB			
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 <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or ___ other (explain)	SOR	RTE	SMB			
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New	SOR	RTE	SMB
	9 / 2	2 / 0	64 / 23			
7. Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory	C/A		SOR	RTE	SMB
	33 / 7	42 / 18				
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	SOR	RTE	SMB			
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.	SOR	RTE	SMB			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	SOR	RTE	SMB			
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.	SOR	RTE	SMB			
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Regional Supervisor		Printed Name / Signature Steve Reeves / Steve Ream Robert J. Errico / Robert J. ... J. Garchow / Jim Garchow R. LANTZ / ...		Date 3/13/08 3/13/08 3/28/08 3/24/08		
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.						

3/21
SMB

Facility: <i>Grand Gulf</i>		Date of Exam: <i>3-31-08</i>		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<i>SDR</i>	<i>RM</i>	<i>SMG</i>		
2. Answer key changes and question deletions justified and documented	<i>SDR</i>	<i>RM</i>	<i>SMG</i>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>SDR</i>	<i>RM</i>	<i>SMG</i>		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	<i>SDR</i>	<i>RM</i>	<i>SMG</i>		
5. All other failing examinations checked to ensure that grades are justified	<i>SDR</i>	<i>RM</i>	<i>SMG</i>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>SDR</i>	<i>RM</i>	<i>SMG</i>		
Printed Name/Signature		Date			
a. Grader	<i>Steve Reeves</i> <i>Steve Reeves</i>	<i>3-31-08</i>			
b. Facility Reviewer(*)	<i>RLT/Th</i> <i>ROBERT A. THOMPSON</i>	<i>4/1/08</i>			
c. NRC Chief Examiner (*)	<i>S. Garchow</i> <i>SM Garchow</i>	<i>4/4/08</i>			
d. NRC Supervisor (*)	<i>RYAN LANTZ</i> <i>RL Lantz</i>	<i>4/4/08</i>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 3-31-2008 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 3-31-2008. 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
Steve Reeves	Sr Ops Instructor Lead Examiner	Steve Reeves	10-25-07	Steve Reeves	4/1/08
Bill Rydler	Sr Ops Instructor	Bill Rydler	10/25/07	Bill Rydler	4/1/08
Robert T. Edwards	Admin - Training	Robert T. Edwards	10/25/07	Robert T. Edwards	4/1/08
C.A. Bottemiller	Manager of Lic	C.A. Bottemiller	10-25-07	C.A. Bottemiller	4-1-08
James E. Owens	Sr Licensing Specialist	James E. Owens	10-25-07	James E. Owens	4-2-08
Ricky Patterson	Shift Manager / OPS Rep	Ricky Patterson	11/27/07	Don (see F1)	4-1-08
Robert E. Brinkman	Shift Manager / OPS Rep	Robert E. Brinkman	11/29/07	RE Brinkman	4/2/08
W. Keith Gordon	CRS / ops	W. Keith Gordon	2/8/8	W. Keith Gordon	4/1/8
Teroy Purdy	CRS / OPS	Teroy Purdy	2/8/8	Teroy Purdy	4/1/8
Jean Stuckey	RD	Jean Stuckey	2-8-8	Jean Stuckey	4-1-08
Jeffrey Frazier	SRO	Jeffrey Frazier	3/12/08	Jeffrey Frazier	4/1/08
H.T. Powell	CRS - SRO	H.T. Powell	3/12/08	H.T. Powell	4-1-8
W.K. Gordon	CRS / ops	W.K. Gordon	3/12/08	W.K. Gordon	

NOTES: ① C.A. Bottemiller retired from Entergy (GEMS) on 3/1/08

② Per Telecon

Operator Licensing Exam Schedule

From 03/10/2008 To 04/15/2008

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
01/31/2008	Grand Gulf / 05000416 / TAC #: X02420	SROI - 2		FFF	GARCHOW, STEPHEN M.	GARCHOW, STEPHEN M.