

EXAM ASSIGNMENT TICKLER

Chief:	Garchow	Facility:	GG	Date of Written Exam:	NA
Start of Op Test:			5/15/2013	End of Op Test: 5/16/2013	
Written Exam Developed By: NRC / Facility			Operating Test Developed By: NRC / Facility		
Due Date	Description	Date Complete	Initials	Notes	
	Written Exam & Op Test Dates Confirmed	2/11/13	JMB		
	NRC Examiners & Facility Contact Assigned	2/11/13	JMB		
	Facility Contact Briefed on Security & Other Req's	2/11/13	JMB		
	Corporate Notification Letter sent	2/18/13	JMB	ES-201 Att-4 produced by CE	
<i>MS</i> 2/28/13	Reference material due (if NRC authored)	NA	JMB	ES-201 Att-3	
2/28/13	Integrated exam outlines due	3/1/13	JMB		
3/13/13	Outlines reviewed by CE; feedback approved by BC	3/13/13	JMB	ES-201-2 signed by CE & BC	
	Feedback on integrated outlines provided to facility	3/13/13	JMB		
	DRAFT exam / docs / support reference material due	4/12/13	JMB		
	Peer review of written exam complete	NA	JMB	Document review on ES-401-9	
	Preliminary license applications due	4/29/13	JMB	NRC Forms 398/396	
	Preliminary license applications and waivers reviewed	4/29/13	JMB		
	DRAFT exam reviewed by CE; feedback approved by BC	4/17/13	JMB		
	Feedback on DRAFT exam provided to facility	4/17/13	JMB		
	On-site validation & 10% audit of license applications	NA	JMB		
	Final applications due & List of Applicants prepared	5/6/13	JMB	ES-201-4 prepared by LA	
	Final applications approved & waiver letters sent	5/9/13	JMB		
	Branch Chief approves FINAL exam (Written & Op Test)	4/29/13	JMB	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
	Proctoring/written exam admin guidelines reviewed w/ facility	NA	JMB		
	Exam material to exam team	NA	JMB		
	Administer Operating Test	5/15-16/13	JMB		
	Facility post-exam documentation due	NA	JMB		
	NRC written exam grading completed	NA	JMB	ES-403-1 to BC	
	Examiner's document op test results on ES 303's	5/28/13	JMB		
	Chief Examiner review of written exam & op test completed	5/28/13	JMB	Signed ES 303's to BC	
	Branch Chief review of exam results completed	5/29/13	JMB		
	Waivers/deferrals reviewed for impact on licensing decision	5/28/13	JMB		
	License/Denial letters mailed; Facility notified of results	5/29/13	JMB		
	RPS/IP number of examinees updated	5/29/13	JMB	print Report-21	
	Examination Report Issued	6/1/13	JMB	produced by CE	
	SUNSI checklist complete and exam docs to ADAMS	6/7/13	JMB	SUNSI checklist to LA	
	Ref Mat'l Returned after Final Resolution of Appeals	NA	JMB		
Replaces NUREG-1021, Revision 9, Supp 1, Forms ES-201-1 and ES-501-1					

Facility: Grand Gulf Nuclear Station		Date of Examination: 5/8/2013		
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.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	N/A	N/A	N/A
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	N/A	N/A	N/A
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.	SDR	B	JMS
	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.	SDR	B	JMS
	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.	SDR	B	JMS
3. W /	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.	SDR	B	JMS
	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	SDR	B	JMS
	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.	SDR	B	JMS
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	B	JMS
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	SDR	B	JMS
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	SDR	B	JMS
	d. Check for duplication and overlap among exam sections.	SDR	B	JMS
	e. Check the entire exam for balance of coverage.	SDR	B	JMS
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	SDR	B	JMS
a. Author <u>Steve Reeves / Steve Reeves</u> Printed Name/Signature b. Facility Reviewer (*) <u>MICHAEL BACON / Michael Bacon</u> c. NRC Chief Examiner (#) <u>Stephen Gargano / Amy Day</u> d. NRC Supervisor <u>Vincent Gaddy / Vincent Gaddy</u>		Date 3/1/13 3/4/13 4/25/13 4/29/13		
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines				

Facility: GGNS		Date of Examination: 5/8/2013		Operating Test Number: LOT-2012-1		
1. General Criteria				Initials		
				a	b*	c#
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).			SDR	B	JMB
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.			SDR	B	JMB
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)			SDR	B	JMB
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.			SDR	B	JMB
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.			SDR	B	JMB
2. Walk-Through 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 • reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee • operationally important 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 			SDR	B	JMB
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.			SDR	B	JMB
3. Simulator Criteria				-	-	-
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.				SDR	B	JMB
		Printed Name / Signature		Date		
a.	Author	Steve Reeves / <i>Steve Reeves</i>		4/8/13		
b.	Facility Reviewer(*)	MIKE BACON / <i>Mike Bacon</i>		4-8-13		
c.	NRC Chief Examiner (#)	Stephen Garchow / <i>Jim Garchow</i>		4/25/13		
d.	NRC Supervisor	Vincent Buddy / <i>Vincent Buddy</i>		4/29/13		
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: 5/8/2013 Scenario Numbers: 1 / 2 Operating Test No.: LOT-2012-1					
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.	K	B	JMB	
2.	The scenarios consist mostly of related events.	K	B	JMB	
3.	Each event description consists of <ul style="list-style-type: none"> • 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) 	K	B	JMB	
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.	K	B	JMB	
5.	The events are valid with regard to physics and thermodynamics.	K	B	JMB	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	K	B	JMB	
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.	K	B	JMB	
8.	The simulator modeling is not altered.	K	B	JMB	
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.	K	B	JMB	
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.	K	B	JMB	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	K	B	JMB	
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).	K	B	JMB	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	K	B	JMB	
Target Quantitative Attributes (Per Scenario; See Section D.5.d)		Actual Attributes			
		-	-	-	
1.	Total malfunctions (5-8)	7 / 7	K	B	JMB
2.	Malfunctions after EOP entry (1-2)	1 / 2	K	B	JMB
3.	Abnormal events (2-4)	2 / 2	K	B	JMB
4.	Major transients (1-2)	1 / 1	K	B	JMB
5.	EOPs entered/requiring substantive actions (1-2)	1 / 2	K	B	JMB
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1	K	B	JMB
7.	Critical tasks (2-3)	2 / 3	K	B	JMB

Operator Licensing Exam Schedule

From 05/01/2013 To 06/01/2013

Region: 4 Phase Code: Operating Reactors (5)

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
03/20/2013	Grand Gulf / 050000416 / 2013301 TAC #: X02536		Prep		GARCHOW, STEPHEN M.	DEVERCELLY, RICHARD GARCHOW, STEPHEN M.
04/07/2013	Grand Gulf / 050000416 / 2013003 Procedure #: 7111111Q				SMITH, RICHARD L.	RICE, BLAKE B. SMITH, RICHARD L.
05/14/2013	Grand Gulf / 050000416 / 2013301 TAC #: X02536	SROI - 3	Admin	FFF	GARCHOW, STEPHEN M.	DEVERCELLY, RICHARD GARCHOW, STEPHEN M.
05/20/2013	Grand Gulf / 050000416 / 2013301 TAC #: X02536		Doc		GARCHOW, STEPHEN M.	DEVERCELLY, RICHARD GARCHOW, STEPHEN M.

Operator Licensing Exam Schedule
 From 05/01/2013 To 06/01/2013

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Region: 4 Phase Code: Operating Reactors (5)

Summary By Date

05/2013	GG - Grand Gulf	RO - 0	SROI - 3	SROU - 0	LSRO - 0	Total for Grand Gulf: 3
05/2013		RO - 0	SROI - 3	SROU - 0	LSRO - 0	Total for 05/2013: 3
03/2013	GG - Grand Gulf	RO - 0	SROI - 0	SROU - 0	LSRO - 0	Total for Grand Gulf: 0
03/2013		RO - 0	SROI - 0	SROU - 0	LSRO - 0	Total for 03/2013: 0
04/2013	GG - Grand Gulf					

Operator Licensing Exam Schedule
From 05/01/2013 To 06/01/2013

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Region: 4 Phase Code: Operating Reactors (5)

Summary By Site

GG - Grand Gulf

RO - 0

SROI - 3

SROU - 0

LSRO - 0

Total for Grand Gulf: 3

Operator Licensing Exam Schedule
From 05/01/2013 To 06/01/2013

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Region: 4 Phase Code: Operating Reactors (5)

Summary By Region

Region 4

RO - 0

SROI - 3

SROU - 0

LSRO - 0

Total for Region 4: 3

2012 Remedial

1. Pre-Examination 5/15-17/2013

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 5/6/2013 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 5/6/2013 ^{5/6-11/13} 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. Steve Reeves	Ops Inst./Lead Exam writer	<i>Steve Reeves</i>	2/4/13	<i>Steve Reeves</i>	5/24/13
2. Kyle Garrillo	Ops Inst./Exam developer	<i>Kyle Garrillo</i>	2/4/13	<i>Kyle Garrillo</i>	5.16.13
3. Robert Goldman	Sim Eng	<i>Robert Goldman</i>	2/7/13	<i>Robert Goldman</i>	5-20-13
4. Robert Brinkmann	Shiftmgr / Ops wnc/OBRep.	<i>Robert Brinkmann</i>	3/27/13	<i>Robert Brinkmann</i>	5/22/13
5. Michael Bacon	Facility Representative	<i>Michael Bacon</i>	3/4/13	<i>Michael Bacon</i>	5/20/13
6. ADRIEL HARBON	RO	<i>Adriel Harbon</i>	3/25/13	<i>Adriel Harbon</i>	5.16.13
7. James Meyer	Reactor operator	<i>James Meyer</i>	3/25/13	<i>James Meyer</i>	5-16-13
8. Kell Hill	SA	<i>Kell Hill</i>	3/25/13	<i>Kell Hill</i>	5/14/13
9. Dustin Hill	520	<i>Dustin Hill</i>	3/25/13	<i>Dustin Hill</i>	5/14/13
10. April Harrigan	RD	<i>April Harrigan</i>	4/24/13	<i>April Harrigan</i>	5/20/13
11. Jonathan Sparks	Ops Instruction Developer	<i>Jonathan Sparks</i>	4/25/13	<i>Jonathan Sparks</i>	5/21/13
12. Mickey Ellis	OPS INSTRUCTOR	<i>Mickey Ellis</i>	5/14/13	<i>Mickey Ellis</i>	5/24/13
13. Rebecca Z. Johnson	RO	<i>Rebecca Z. Johnson</i>	5/14/13	<i>Rebecca Z. Johnson</i>	5/16/13
14. James D. Chappell	RO	<i>James D. Chappell</i>	5/14/13	<i>James D. Chappell</i>	5/20/13
15. Michael K. Koch	Exam Admin	<i>Michael K. Koch</i>	5/13/13	<i>Michael K. Koch</i>	5/16/2013

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 5/15/13

2012-1 Remedial

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ES-201

Examination Security Agreement

Form ES-201-3

1. Pre-Examination

5-15-13 5-15-13

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 5/15/13 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 5-15-13. 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. Charles Roberts	OPS Instructor	<i>Charles Roberts</i>	5-15-13	<i>Charles Roberts</i>	5-16-13
2. Roger Boyd	OPS INSTRUCTOR / SURVIVATE	<i>Roger Boyd</i>	5-15-13	<i>Roger Boyd</i>	5-20-13
3. Mara Graham	OPS INSTRUCTOR	<i>Mara Graham</i>	5-15-13	<i>Mara Graham</i>	5-21-2013
4. Dan Baceswili	OPS INSTRUCTOR	<i>Dan Baceswili</i>	5-15-13	<i>Dan Baceswili</i>	5-19-13
5. Robert McNamee	TRAINING	<i>Robert McNamee</i>	5-15-13	<i>Robert McNamee</i>	5-20-13
6. Terry Kolombi	OPS / Shift Manager	<i>Terry Kolombi</i>	5-15-13	<i>Terry Kolombi</i>	5-16-13
7. DD					
8. DD					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

NOTES: