

APPENDIX I**Operations Branch Assignment Check Sheet:**
(Includes ES-201-1 & ES-501-1 Rev. 8 information)

as of: 01/09/04

Chief: McKernon

Facility/Task: GG Exam

Task Start Date: 02/06/2004

ITEM DESCRIPTION		DUE DATE	INIT	DATE
0	Exam/Inspection Schedule Agreement	Aug 10, 2003	ATG	12/9/2003
1	NRC Staff & Fac. Contact Assigned	Aug 10, 2003	ATG	12/9/2003
2	Facility contact briefed on security & other issues	Aug 10, 2003	ATG	12/9/2003
3	Corp. Notification Letter Sent	Aug 10, 2003	ROM	9/12/03
3a	Inspection Announcement Letter Sent (PIR & LORT if req'd)	Dec 23, 2003	ROM	9/12/03
4	Task Expectations, Issues, & Standards Discussed w/ BC	Nov 8, 2003	ROM	11/8/03
5	[Reference Material Due]	Oct 9, 2003	ROM	11/10/03
6	Integrated Exam Outlines Due	Oct 9, 2003	ROM	11/10/03
7	Outlines reviewed by NRC & Feedback Sent	Oct 23, 2003	ROM	11/13/03
8	Preliminary Applications Due	Jan 7, 2004	ROM	1/7/04
9	Draft Exams w/ Doc./Ref. Due	Dec 8, 2003	ROM	12/8/03
10*	Independent Reviewer Initials As Reviewed All Parts	Dec 18, 2003	ATG	1/5/04
11*	NRC Supervisor. Initials Approving for Fac. Rev.	Dec 18, 2003	ATG	12/30/03
12	Exams Reviewed w/ Fac.	Dec 18, 2003	ROM	1/7/04
13	Final Appl. Due & Assign. Sheet Prepared	Jan 23, 2004	ROM	1/29/04
14*	NRC Supervisor Approved Final Exams	Jan 30, 2004	ATG	2/2/04
15	Final Appl. Rec'd & Waivers Sent	Jan 30, 2004	ROM	2/4/04
16	Proctor Rules Reviewed w/ Fac. & Written Authorized	Jan 30, 2004	ROM	2/4/04
17	Exam/Insp Material to Team	Jan 30, 2004	ROM	2/2/04
18	Fac. graded exam & Comments Rec'd	Feb 18, 2004	ROM	2/20/04
19	NRC Written Grading Completed	Feb 21, 2004	ROM	2/23/04
20	Examiners Finished Grading Op. Tests	Feb 21, 2004	ROM	2/24/04
21	NRC Ch. Ex. Review Completed	Mar 2, 2004	ROM	2/25/04
22*	NRC BC Review Completed	Mar 3, 2004	ROM	2/25/04
23	RPS/IP Examinees Updated Before Report Issued	Mar 8, 2004	ROM	3/8/04
24	License/Denials Signed & Report Issued	Mar 8, 2004	ROM	3/16/04
25	Package Closed Out	Mar 29, 2004	ATG	3/16/04
Final Inspection Report Issued, Exam Package to OLA, Facility. Contact Notified of Results				
* Note Supervisor or Independent Reviewer initials required in for lines 10, 11, 14, & 22.				
[] Required NRC-auth. exams only for line 5.				

Facility: GRAND GULF NUCLEAR STATION		Date of Examination: February 9, 2004		
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 per ES-401.	<i>m</i>	<i>h</i>	<i>MSA</i>
	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	<i>m</i>	<i>h</i>	<i>MSA</i>
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	<i>m</i>	<i>h</i>	<i>MSA</i>
2. S I M	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
3. W / T	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	<i>m</i>	<i>h</i>	<i>MSA</i>
	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.	<i>m</i>	<i>h</i>	<i>MSA</i>
	e. Assess whether the exam fits the appropriate job level (RO or SRO).	<i>m</i>	<i>h</i>	<i>MSA</i>
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 section.	<i>m</i>	<i>h</i>	<i>MSA</i>
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	<i>m</i>	<i>h</i>	<i>MSA</i>
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	<i>m</i>	<i>h</i>	<i>MSA</i>
	d. Check for duplication and overlap among exam sections.	<i>m</i>	<i>h</i>	<i>MSA</i>
	e. Check the entire exam for balance of coverage.	<i>m</i>	<i>h</i>	<i>MSA</i>
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	<i>m</i>	<i>h</i>	<i>MSA</i>
Printed Name / Signature		Date		
a. Author:	<i>Michael K. Rasch</i>	<i>12/4/2003</i>		
b. Facility Reviewer(*):	<i>G. ALAN MIDDLEBROOKS</i>	<i>12/4/2003</i>		
c. NRC Chief Examiner(#):	<i>JOE M. WILSON</i>	<i>11/29/2004</i>		
d. NRC Supervisor:	<i>A.J. GORDY</i>	<i>2/2/2004</i>		
NOTE: * Not applicable for NRC-developed examinations.				
# Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.				

Facility: GRAND GULF NUCLEAR STATION Date of Exam: February 6, 2004 Exam Level: RO (SRO)			
Item Description	Initial		
	A	b*	c#
1. Questions and answers technically accurate and applicable to facility	ml	h	MSA
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	ml	h	MSA
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	ml	h	MSA
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process.			MSA
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate. <input type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	ml	h	MSA
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank 0	Modified 12	New 88
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 46	C/A 54	
8. References/handouts provided do not give away answers	ml	h	MSA
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	ml	h	MSA
10. Question psychometric quality and format meet ES, Appendix B, guidelines	ml	h	MSA
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	ml	h	MSA

	Printed Name / Signature	Date
a. Author	Michael H. Rasch	12/2/2003
b. Facility Reviewer(*)	G. Allen Michaels	12/4/03
c. NRC Chief Examiner(#)	T.O. McKERNON	1/29/04
d. NRC Regional Supervisor	A.T. GODY	2/2/2004

Note: * The facility reviewer's signature is not applicable for NRC-developed examinations.
 # Independent NRC Reviewer initial items in Column "c;" chief examiner concurrence required.

Facility: GRAND GULF NUCLEAR STATION		Date of Examination: 02/09/2004 – 02/13/2004		
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>m</i>	<i>h</i>	<i>MSR</i> ✓
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<i>m</i>	<i>h</i>	<i>MSR</i> ✓
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	<i>m</i>	<i>h</i>	<i>MSR</i>
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	<i>m</i>	<i>h</i>	<i>MSR</i>
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<i>m</i>	<i>h</i>	<i>MSR</i> ✓
2. WALK-THROUGH (CATEGORY A & B) CRITERIA				
a.	Each JPM includes the following, as applicable: + 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 + specific performance criteria that include: - 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	<i>m</i>	<i>h</i>	<i>MSR</i> ✓
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	<i>m</i>	<i>h</i>	<i>MSR</i>
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.	<i>m</i>	<i>h</i>	<i>MSR</i>
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	<i>m</i>	<i>h</i>	<i>MSR</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>m</i>	<i>h</i>	<i>MSR</i>
Printed Name / Signature		Date		
a. Author	<i>Michael K. Rasch</i>	<i>Michael K. Rasch</i>		<i>12/4/2003</i>
b. Facility Reviewer(*)	<i>G. ALAN MIDDLEBROOKS</i>	<i>G. Alan Middlebrooks</i>		<i>12/4/03</i>
c. NRC Chief Examiner (#)	<i>T. Q. McKernon</i>	<i>T. Q. McKernon</i>		<i>1/29/04</i>
d. NRC Supervisor	<i>A.T. Gody</i>	<i>A.T. Gody</i>		<i>2/2/2004</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: **02/09/2004 – 02/13/2004**Scenario Numbers: **1 / 2 / 3**

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

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **02/09/2004 – 02/13/2004**Scenario Numbers: **4 BACKUP**

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.	m	js	2024			
2.	The scenarios consist mostly of related events.	n	js	2024			
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)	n	js	2024			
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.	n	js	2024			
5.	The events are valid with regard to physics and thermodynamics.	n	js	2024			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	n	js	2024			
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.	n	js	2024			
8.	The simulator modeling is not altered.	n	js	2024			
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.	n	js	2024			
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.	n	js	2024			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	n	js	2024			
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).	n	js	2024			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	n	js	2024			
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		4 Backup Actual Attributes					
1.	Total malfunctions (5-8)	6	/	/	n	js	2024
2.	Malfunctions after EOP entry (1-2)	2	/	/	n	js	2024
3.	Abnormal events (2-4)	2	/	/	nl	js	2024
4.	Major transients (1-2)	2	/	/	nl	js	2024
5.	EOPs entered/requiring substantive actions (1-2)	1	/	/	nl	js	2024
6.	EOP contingencies requiring substantive actions (0-2)	1	/	/	nl	js	2024
7.	Critical tasks (2-3)	2	/	/	nl	js	2024

GRAND GULF NUCLEAR STATION

DATES: 02/09/2004 – 02/13/2004

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			SS 1	BOP 2	ATC 3	TOTAL
RO	Reactivity	1				
	Normal	1				
	Instrument/ Component	4				
	Major	1				
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> SRO-I 1 </div>	Reactivity	1		0	1 ⁽¹⁾	1
	Normal	0		0	0	0
	Instrument/ Component	2		5 ^(2, 4, 5)	3 ^(3, 5, 6)	8
	Major	1		1 ⁽⁵⁾	1 ⁽⁶⁾	2
	Reactivity	0	0			0
	Normal	1	1 ⁽¹⁾			1
	Instrument/ Component	2	5 ^(2, 3, 4, 5)			5
	Major	1	1 ⁽⁵⁾			1
SRO-U	Reactivity	0				
	Normal	1				
	Instrument/ Component	2				
	Major	1				

- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
- (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 minimum requirement.

Author:

Michael K. RosenMichael Rosen

NRC Reviewer:

MARK HAIRE[Signature]

GRAND GULF NUCLEAR STATION

DATES: 02/09/2004 – 02/13/2004

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			ATC 1	SS 2	BOP 3	TOTAL
RO	Reactivity	1				
	Normal	1				
	Instrument/ Component	4				
	Major	1				

As RO	Reactivity	1	1 ⁽¹⁾		0	1
	Normal	0	0		1 ⁽²⁾	1
	Instrument/ Component	2	3 ^(2, 3, 4)		2 ^(4, 6)	5
	Major	1	1 ⁽⁵⁾		1 ⁽⁶⁾	2
As SRO	Reactivity	0		0		0
	Normal	1		1 ⁽³⁾		1
	Instrument/ Component	2		5 ^(2, 4, 5)		5
	Major	1		1 ⁽⁵⁾		1

SRO-U	Reactivity	0				
	Normal	1				
	Instrument/ Component	2				
	Major	1				

- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
- (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 minimum requirement.

Author:

Michael K. ASCH Mutual Khush

NRC Reviewer:

MARK HAURE Ym

Revision 1 12/3/2003

NUREG 1021, REVISION 8 SUPPLEMENT 1

GRAND GULF NUCLEAR STATION

DATES: 02/09/2004 – 02/13/2004

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			BOP 1	ATC 2	SS 3	TOTAL
RO	Reactivity	1				
	Normal	1				
	Instrument/ Component	4				
	Major	1				
<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> SRO-I 3 </div> <div> As RO As SRO </div> </div>	Reactivity	1	0	1 ⁽¹⁾		1
	Normal	0	0	1 ⁽³⁾		1
	Instrument/ Component	2	3 ^(3, 5)	3 ^(2, 4, 5)		6
	Major	1	1 ⁽⁵⁾	1 ⁽⁵⁾		2
	Reactivity	0			0	0
	Normal	1			1 ⁽²⁾	1
	Instrument/ Component	2			5 ^(3, 4, 5, 6)	5
	Major	1			1 ⁽⁶⁾	1
SRO-U	Reactivity	0				
	Normal	1				
	Instrument/ Component	2				
	Major	1				

- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
- (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 minimum requirement.

Author:

Michael K. Rasmussen

Michael Rasmussen

NRC Reviewer:

MARK HAIRE

Mark Haire

Revision 1 12/3/2003

NUREG 1021, REVISION 8 SUPPLEMENT 1

GRAND GULF NUCLEAR STATION

DATES: 02/09/2004 – 02/13/2004

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			SS 1			TOTAL
RO	Reactivity	1				
	Normal	1				
	Instrument/Component	4				
	Major	1				
As RO	Reactivity	1				
	Normal	0				
	Instrument/Component	2				
	Major	1				
SRO-I	Reactivity	0				
	Normal	1				
	Instrument/Component	2				
	Major	1				
As SRO	Reactivity	0				
	Normal	1				
	Instrument/Component	2				
	Major	1				
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> SRO-U 1, 2, 3 </div>	Reactivity	0	0			0
	Normal	1	1 ⁽¹⁾			1
	Instrument/Component	2	5 ^(2, 3, 4, 5)			5
	Major	1	1 ⁽⁵⁾			1

- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
- (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 minimum requirement.

Author:

Michael K. Rasen

Michael Rasen

NRC Reviewer:

MARK HAIRE

Mark

GRAND GULF NUCLEAR STATION **BACKUP SCENARIO** DATES: 02/09/2004 – 02/13/2004

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			SS 4	ATC 4	BOP 4	TOTAL
RO	Reactivity					
	Normal					
	Instrument/Component					
	Major					
As RO	Reactivity			1 ⁽²⁾	0	
	Normal			0	1 ⁽¹⁾	
	Instrument/Component			1 ⁽²⁾	3 ^(2, 3, 5)	
	Major			2 ^(4, 5)	2 ^(4, 5)	
SRO-I	Reactivity		0			
	Normal		1 ⁽¹⁾			
	Instrument/Component		3 ^(2, 3, 5)			
	Major		2 ⁽⁵⁾			
SRO-U	Reactivity					
	Normal					
	Instrument/Component					
	Major					

- Instructions:
- (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
 - (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
 - (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 minimum requirement.

Author:

Michael K. Rasen Michael Rasen

NRC Reviewer:

MARK HARRIS Mark Harris

GRAND GULF NUCLEAR STATION

DATES: 02/09/2004 – 02/13/2004

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			SS 2			TOTAL
RO	Reactivity	1				
	Normal	1				
	Instrument/Component	4				
	Major	1				
As RO	Reactivity	1				
	Normal	0				
	Instrument/Component	2				
	Major	1				
SRO-I						
As SRO	Reactivity	0				
	Normal	1				
	Instrument/Component	2				
	Major	1				
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> SRO-U 4 </div>	Reactivity	0	0			0
	Normal	1	1 ⁽³⁾			1
	Instrument/Component	2	5 ^(2, 4, 5)			5
	Major	1	1 ⁽⁵⁾			1

- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
- (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 minimum requirement.

Author:

Michael K. RaschMichael K. Rasch

NRC Reviewer:

MARK HARE[Signature]

Grand Gulf Nuclear Station

Dates 02/09/2004 – 02/13/2004

Competencies	Applicant #1 RO/SRO-I/SRO-U			Applicant #2 RO/SRO-I/SRO-U			Applicant #3 RO/SRO-I/SRO-U		
	SCENARIO			SCENARIO			SCENARIO		
	SS 1	BOP 2	ATC 3	ATC 1	SS 2	BOP 3	BOP 1	ATC 2	SS 3
Understand and Interpret Annunciators and Alarms	1, 2, 3, 4, 5	3, 4, 5	1, 3, 4, 5, 6	1, 2, 3, 4, 5	2, 3, 4, 5	3, 4, 6	3, 5	2, 3, 4, 5	1, 3, 4, 5, 6
Diagnose Events and Conditions	2, 3, 4, 5	4, 5	3, 4, 5	2, 3, 4, 5	3, 4, 5	3, 4, 6	3, 5	3, 4, 5	3, 4, 5, 6
Understand Plant and System Response	1, 2, 3, 4, 5	3, 4, 5	1, 3, 4, 5, 6	1, 2, 3, 4, 5	1, 2, 3, 4, 5	2, 4, 6	3, 5	1, 2, 3, 4, 5	1, 2, 3, 4, 5, 6
Comply With and Use Procedures (1)	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
Operate Control Boards (2)(4)	N/A	3, 4, 5	1, 4, 5, 6	1, 2, 3, 4, 5	N/A	2, 4, 6	3, 5	1, 2, 3, 4, 5	N/A
Communicate and Interact With the Crew	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
Demonstrate Supervisory Ability (3)	ALL	N/A	N/A	N/A	ALL	N/A	N/A	N/A	ALL
Comply With and Use Tech. Specs. (3)	2	N/A	N/A	N/A	4	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.
- (4) Only applicable to RO positions at GGNS.

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:

NRC Reviewer:

Michael K. Ascan *Michael K. Ascan*
MARK HAUSE *Michael K. Ascan*

Grand Gulf Nuclear Station

Dates 02/9/2004 – 02/13/2004

BACKUP SCENARIO Competencies	Applicant #1 RO/SRO-I/SRO-U		Applicant #2 RO/SRO-I/SRO-U		Applicant #3 RO/SRO-I/SRO	
	SCENARIO		SCENARIO		SCENARIO	
	ATC 4		BOP 4		SS 4	
Understand and Interpret Annunciators and Alarms	2, 4, 5		2, 3, 4, 5		2, 3, 4, 5	
Diagnose Events and Conditions	2, 3, 4, 5		2, 3, 4, 5		2, 3, 4, 5	
Understand Plant and System Response	2, 3, 4, 5		1, 2, 3, 4, 5		2, 3, 4, 5	
Comply With and Use Procedures (1)	ALL		ALL		ALL	
Operate Control Boards (2)	2, 4, 5, 6		1, 2, 3, 4, 5		N/A	
Communicate and Interact With the Crew	ALL		ALL		ALL	
Demonstrate Supervisory Ability (3)	N/A		N/A		ALL	
Comply With and Use Tech. Specs. (3)	N/A		N/A		3	

Notes:

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

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:

NRC Reviewer:

Michael K. Rosch
MARK HAUSE

Michael Rosch
[Signature]

Facility: <u>GRAND GULF NUCLEAR STATION</u>		Date of Exam: <u>6 February 2004</u>		Exam Level: <u>RO(SRO)</u>	
Item Description		Initials			
		a	b	c	
1.	Clean answer sheets copied before grading	<u>ML</u>	<u>SOR</u>	<u>Tom</u>	
2.	Answer key changes and question deletions justified and documented	<u>ML</u>	<u>SOR</u>	<u>Tom</u>	
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>ML</u>	<u>SOR</u>	<u>Tom</u>	
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	<u>ML</u>	<u>SOR</u>	<u>Tom</u>	
5.	All other failing examinations checked to ensure that grades are justified	<u>ML</u>	<u>SOR</u>	<u>Tom</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>ML</u>	<u>SOR</u>	<u>Tom</u>	
Printed Name / Signature		Date			
a. Grader	<u>Michael R. Rasch</u> <u>Michael Rasch</u>	<u>2/16/2004</u>			
b. Facility Reviewer(*)	<u>Steven D. Rens</u> <u>Steve Rens</u>	<u>2/18/2004</u>			
c. NRC Chief Examiner (*)	<u>T.O. McKernon</u> <u>T.O. McKernon</u>	<u>2/23/2004</u>			
d. NRC Supervisor (*)	<u>A.T. Gody</u> <u>A.T. Gody</u>	<u>2/25/2004</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

04/29/2004 07:39:00

Report 21

Operator Licensing Exam Schedule

From 10/01/2003 To 09/30/2004

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
02/09/2004	Callaway / 05000483 / 2004301 TAC #: X02258	SROU - 3	Prep	FFF	JOHNSTON, GARY W.	CLAYTON, KELLY D. HAIRE, MARK S. JOHNSTON, GARY W.
02/09/2004	Fort Calhoun / 05000285 / 2004301 TAC #: X02259		Prep	FFF	MURPHY, MICHAEL E.	MURPHY, MICHAEL E. WERNER, G E.
02/09/2004	Grand Gulf / 05000416 / 2004301 TAC #: X02237		Admin		MCKERNON, THOMAS O.	DRAKE, JAMES F. GAGE, PAUL C. MCKERNON, THOMAS O.
02/17/2004	Grand Gulf / 05000416 / 2004301 TAC #: X02237		Doc		MCKERNON, THOMAS O.	DRAKE, JAMES F. GAGE, PAUL C. MCKERNON, THOMAS O.
02/19/2004	Wolf Creek / 05000482 / 2004301 TAC #: X02247	RO - 5 SROU - 3	Prep		STETKA, THOMAS F.	STETKA, THOMAS F.
03/01/2004	Callaway / 05000483 / 2004301 TAC #: X02258		Admin	FFF	JOHNSTON, GARY W.	CLAYTON, KELLY D. HAIRE, MARK S. JOHNSTON, GARY W.
03/08/2004	Callaway / 05000483 / 2004301 TAC #: X02258		Doc	FFF	JOHNSTON, GARY W.	STETKA, THOMAS F. CLAYTON, KELLY D. HAIRE, MARK S. JOHNSTON, GARY W.
03/15/2004	Fort Calhoun / 05000285 / 2004301 TAC #: X02259	RO - 6 SROU - 2	Admin	FFF	MURPHY, MICHAEL E.	DRAKE, JAMES F. MURPHY, MICHAEL E. STETKA, THOMAS F. WERNER, G E.
03/18/2004	Cooper / 05000298 / 2004011 Procedure #: 7111111B				JOHNSTON, GARY W.	CLAYTON, KELLY D. HAIRE, MARK S. JOHNSTON, GARY W.
03/22/2004	Fort Calhoun / 05000285 / 2004301 TAC #: X02259		Doc	FFF	MURPHY, MICHAEL E.	DRAKE, JAMES F. MURPHY, MICHAEL E. STETKA, THOMAS F. WERNER, G E.
04/04/2004	Comanche Peak / 05000445 / 2005301 TAC #: X02269		Prep	NNF	MURPHY, MICHAEL E.	CLAYTON, KELLY D.
04/04/2004	Comanche Peak / 05000446 / 2005301 TAC #: X02270		Prep	NNF	MURPHY, MICHAEL E.	CLAYTON, KELLY D.
04/05/2004	Cooper / 05000298 / 2004011 Procedure #: 41500				JOHNSTON, GARY W.	HAIRE, MARK S. JOHNSTON, GARY W.
04/05/2004	Cooper / 05000298 / 2004011 Procedure #: 7111111B				JOHNSTON, GARY W.	HAIRE, MARK S. JOHNSTON, GARY W.
04/19/2004	Wolf Creek / 05000482 / 2004301 TAC #: X02247		Prep		STETKA, THOMAS F.	MCKERNON, THOMAS O. STETKA, THOMAS F.

Sites: ALL

Orgs: 4620

Exam Author: ALL

04/29/2004 07:39:00

Report 21

Operator Licensing Exam Schedule

From 10/01/2003 To 09/30/2004

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
08/18/2003	Arkansas Nuclear One / 05000313 / 2004301 TAC #: X02257		Prep	NNN	GAGE, PAUL C.	CLAYTON, KELLY D. GAGE, PAUL C.
09/15/2003	Waterford / 05000382 / 2003007 Procedure #: 7111111B				GAGE, PAUL C.	GAGE, PAUL C. MCKERNON, THOMAS O.
10/27/2003	San Onofre / 05000361 / 2003005 Procedure #: 7111111B				JOHNSTON, GARY W.	JOHNSTON, GARY W. STETKA, THOMAS F.
10/27/2003	San Onofre / 05000362 / 2003005 Procedure #: 7111111B				JOHNSTON, GARY W.	JOHNSTON, GARY W. STETKA, THOMAS F.
11/17/2003	Cooper / 05000298 / 2003007 Procedure #: 7111111B				JOHNSTON, GARY W.	HAIRE, MARK S. JOHNSTON, GARY W.
11/17/2003	San Onofre / 05000361 / 2003301 TAC #: X02242		Prep		STETKA, THOMAS F.	DRAKE, JAMES F. STETKA, THOMAS F.
11/17/2003	San Onofre / 05000362 / 2003301 TAC #: X02243		Prep		STETKA, THOMAS F.	DRAKE, JAMES F. STETKA, THOMAS F.
12/15/2003	Arkansas Nuclear One / 05000313 / 2004301 TAC #: X02257		Prep		GAGE, PAUL C.	CLAYTON, KELLY D. GAGE, PAUL C. MCKERNON, THOMAS O.
12/15/2003	San Onofre / 05000361 / 2003301 TAC #: X02242		Admin		STETKA, THOMAS F.	DRAKE, JAMES F. MCKERNON, THOMAS O. STETKA, THOMAS F.
12/15/2003	San Onofre / 05000362 / 2003301 TAC #: X02243	RO - 6 SROU - 4	Admin		STETKA, THOMAS F.	DRAKE, JAMES F. MCKERNON, THOMAS O. STETKA, THOMAS F.
12/22/2003	San Onofre / 05000361 / 2003301 TAC #: X02242		Doc		STETKA, THOMAS F.	DRAKE, JAMES F. MCKERNON, THOMAS O. STETKA, THOMAS F.
12/22/2003	San Onofre / 05000362 / 2003301 TAC #: X02243		Doc		STETKA, THOMAS F.	DRAKE, JAMES F. MCKERNON, THOMAS O. STETKA, THOMAS F.
01/01/2004	Columbia Generating Station / 05000397 / 2004301 TAC #: X02266		Admin	NNN	MCKERNON, THOMAS O.	GAGE, PAUL C. GARCHOW, STEPHEN M.
01/05/2004	Grand Gulf / 05000416 / 2004301 TAC #: X02237		Prep		MCKERNON, THOMAS O.	DRAKE, JAMES F. MCKERNON, THOMAS O.
01/12/2004	Arkansas Nuclear One / 05000313 / 2004301 TAC #: X02257	RO - 5 SROU - 3	Admin		GAGE, PAUL C.	CLAYTON, KELLY D. GAGE, PAUL C. MCKERNON, THOMAS O. MURPHY, MICHAEL E.
01/19/2004	Arkansas Nuclear One / 05000313 / 2004301 TAC #: X02257		Doc	NNN	GAGE, PAUL C.	CLAYTON, KELLY D. GAGE, PAUL C. MCKERNON, THOMAS O.

Sites: ALL

Orgs: 4620

Exam Author: ALL

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/9/2004 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 2/9/2004. 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	SR OPS INST. / EXAM DEVELOPER	<i>Michael K. Rasch</i>	8/18/2003	<i>Michael K. Rasch</i>	2/12/2004
2. David A. Cooper	SR OPS Instructor / EXAM DEVELOPER	<i>David A. Cooper</i>	9/2/2003	<i>David A. Cooper</i>	2-16-2004
3. Charles A. Bottemil	Manager of L.E. VERIFIED	<i>Charles A. Bottemil</i>	9-2-03	<i>Charles A. Bottemil</i>	2-17-04
4. Alan Middlebrooks	Training Svr / Fac Rep	<i>Alan Middlebrooks</i>	9-18-03		See attached
5. Hughie E. McKnight	SR OPS Inst / Exam Tech Review	<i>H.E. McKnight</i>	10-29-03	<i>H.E. McKnight</i>	2-12-04
6. Donnie K. Brown	R.O. / EXAM TECH REVIEW	<i>Donnie K. Brown</i>	03Nov03	<i>Donnie K. Brown</i>	24 Feb 04
7. J.D. Weeks	R.O. / EXAM TECH REVIEW	<i>J.D. Weeks</i>	03Nov03	<i>J.D. Weeks</i>	2/24/2004
8. Sean Stewart Dixon	R.O. / VALIDATOR	<i>Sean Stewart Dixon</i>	11-4-03	<i>Sean Stewart Dixon</i>	2-17-04
9. Timothy D. Boland	SRO / VALIDATOR	<i>Timothy D. Boland</i>	11-4-03	<i>Timothy D. Boland</i>	2-24-04
10. Steven Angel	RO / Validator	<i>Steven Angel</i>	11/4/03	<i>Steven Angel</i>	2/17/04
11. Phillip K. Huff	RO / Validator	<i>Phillip K. Huff</i>	11-5-03	<i>Phillip K. Huff</i>	2-24-04
12. Rick Ingram	SRO / Validation	<i>Rick Ingram</i>	11/1/03	<i>Rick Ingram</i>	2/17/04
13. Mickey Ellis	SRO / validation	<i>Mickey Ellis</i>	11/13/03	<i>Mickey Ellis</i>	2/17/04
14. Scott E. Bohling	RO / Validation	<i>Scott E. Bohling</i>	11-13-03	<i>Scott E. Bohling</i>	2-24-04
15. H. T. Powell	SRO / Validation	<i>H. T. Powell</i>	11-24-03	<i>H. T. Powell</i>	2-17-04

NOTES:

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2. David A. Caper	SR OPS Instructor / EXAM Developer	<i>David A. Caper</i>	9/2/2003	<i>David A. Caper</i>	2/16/04
3. Charles A. Bottemillo	Manager of L.E. VERIFIER	<i>Charles A. Bottemillo</i>	9-2-03		
4. G. Alan Middlebrooks	Training Exp / Exam Rep	<i>G. Alan Middlebrooks</i>	9-18-03	<i>G. Alan Middlebrooks</i>	3/2/2004
5. Hughie E. McInight	Sr. Ops Inst / Exam Tech Review	<i>Hughie E. McInight</i>	10-25-03		
6. DONNIE K. BROWN	R.O. / EXAM TECH REVIEW	<i>Donnie K. Brown</i>	03Nov03		
7. J.D. Weeks	R.O. / EXAM Tech Review	<i>J.D. Weeks</i>	03Nov03		
8. SEAN STEWART DIXON	R.O. / VALIDATOR	<i>Sean Stewart Dixon</i>	11-4-03		
9. Timothy D. Boland	SRO / VALIDATOR	<i>Timothy D. Boland</i>	11-4-03		
10. Steven Angel	RO / Validator	<i>Steven Angel</i>	11/4/03		
11. Philli A. K. HUFF	RO / Validator	<i>Philli A. K. HUFF</i>	11-5-03		
12. Rick Ingram	SRO / Validation	<i>Rick Ingram</i>	11/11/03		
13. Mickey Ellis	SRO / validation	<i>Mickey Ellis</i>	11/13/03		
14. Scott E. Bohling	RO / Validation	<i>Scott E. Bohling</i>	11/13-03		
15. H. T. POWELL	SRO / VALIDATION	<i>H. T. POWELL</i>	11-24-03		

NOTES:

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1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/9/2004 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.

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Chad Rogers	RO / Validation	Chad Rogers	11-24-03	Chad Rogers	2-17-04	
2. Russell Burdett	RO / Validation	Russell Burdett	4/24/03	Russell Burdett	2-17-04	
3. Frank W. Jones	SRP / Maintenance	Frank W. Jones	4-24-03	Frank W. Jones	2-24-04	
4. Robert E. Golden	Software Eng / Simulator	Robert E. Golden	11-24-03	Robert E. Golden	2-12-2004	
5. ALINE E. GRIFFIN	COMPUTER TECH / SIMULATOR	Alene E. Griffin	11-24-03	Alene E. Griffin	2-16-2004	
6. Larry B. Bunker	RO / Validation	Larry B. Bunker	11-25-03	Larry B. Bunker	2-24-04	
7. David A. Killingsworth	RO / Validation	David A. Killingsworth	12-17-03	David A. Killingsworth	24 Feb 04	
8. Thomas McIntyre	Supv. Ops. Training	Thomas McIntyre	12-19-03	Thomas McIntyre	2-12-04	
9. Charles Roberts	Ops Inst. / Simulator Scenarios	Charles Roberts	1-6-04	Charles Roberts	2-12-2004	
10. Jason Hayes	RO / Validation	Jason Hayes	1/6/04	Jason Hayes	2/12/2004	
11. RONALD W. HOGUE	RO / SIMULATIVE SCENARIOS	Ronald W. Hogue	1/6/04	Ronald W. Hogue	2/12/2004	
12. Terry C. Roberts	Director NSA	Terry C. Roberts	1/26/04	Terry C. Roberts	2-12-04	
13. Mike Krupa	Director NSIC	Mike Krupa	1/26/04	Mike Krupa	2-19/2004	
14. Jay Miller	Mgr. Training & Development	Jay Miller	1-22-04	Jay Miller	2-12-04	
15. Steve Reeves	Sr Ops Instructor / LOT Lead	Steve Reeves	2/6/04	Steve Reeves	2/12/2004	

NOTES:

2 of 3

1. Pre-Examination

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1. <u>Chad Rogers</u>	<u>RO / Validation</u>	<u>Chad Rogers</u>	<u>11-24-03</u>		
2. <u>Russell Burdett</u>	<u>RO / Validation</u>	<u>Russell Burdett</u>	<u>11-24-03</u>		
3. <u>Frank W. Jones</u>	<u>SPS / Validation</u>	<u>Frank W. Jones</u>	<u>4/24/03</u>		
4. <u>Robert L. Goldmen</u>	<u>Soft-Twzr Eng / Simulator</u>	<u>Robert L. Goldmen</u>	<u>4-24-03</u>		
5. <u>ALINE E. GRIFFIN</u>	<u>COMPUTER TECH / SIMULATOR</u>	<u>ALINE E. GRIFFIN</u>	<u>11-24-03</u>	<u>ALINE E. GRIFFIN</u>	<u>2-12-2004</u>
6. <u>Larry B. Griffin</u>	<u>RO / Validation</u>	<u>Larry B. Griffin</u>	<u>11-25-03</u>		
7. <u>David D. Killian</u>	<u>RO / Validation</u>	<u>David D. Killian</u>	<u>12-17-03</u>		
8. <u>Thomas McIntyre</u>	<u>Supv. Ops. Training</u>	<u>Thomas McIntyre</u>	<u>12-19-03</u>		
9. <u>Charles Roberts</u>	<u>Ops Inst. / Simulator Scenarios</u>	<u>Charles Roberts</u>	<u>1-6-04</u>	<u>Charles Roberts</u>	<u>2-12-2004</u>
10. <u>Jason Hayes</u>	<u>RO / Validation</u>	<u>Jason Hayes</u>	<u>1/6/04</u>		
11. <u>RONALD W. HOGUE</u>	<u>RO / SIMULATOR SCENARIOS</u>	<u>RONALD W. HOGUE</u>	<u>1/6/04</u>		
12. <u>Serry C. Roberts</u>	<u>Director NSA</u>	<u>Serry C. Roberts</u>	<u>1/26/04</u>	<u>Serry C. Roberts</u>	<u>3/9/04</u>
13. <u>Mike Krupa</u>	<u>Director NS&L</u>	<u>Mike Krupa</u>	<u>1/26/04</u>		
14. <u>Jay Miller</u>	<u>Mgr Training & Development</u>	<u>Jay Miller</u>	<u>1-25-04</u>		
15. <u>Steve Reeves</u>	<u>Supv. Instructor / LOT Lead</u>	<u>Steve Reeves</u>	<u>2/6/04</u>	<u>Steve Reeves</u>	<u>2/12/2004</u>

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1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 9 Feb 2004 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 9 Feb 2004. 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. <u>MANVIN L CHASE</u>	<u>Supervisor, Operations Unit</u>	<u>[Signature]</u>	<u>2-10-04</u>	<u>[Signature]</u>	<u>2-12-04</u>
2. <u>Kyle Grillis</u>	<u>Ops Instructor / Sim Operator</u>	<u>[Signature]</u>	<u>2-10-04</u>	<u>[Signature]</u>	<u>2-12-04</u>
3. <u>CURTIS BUFORD</u>	<u>Ops Instructor</u>	<u>[Signature]</u>	<u>2/10/04</u>	<u>[Signature]</u>	<u>2/12/04</u>
4. _____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____	_____

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