APPENDIX I
Operations Branch Assignment Check Sheet: as of: 12/19/00
(Includes ES-201-1 & ES-501-1 Rev. 8 information)

Chief: M MURPHY

Facility/Task: GG IN

Task Start Date: 6/4/01

	ITEM DESCRIPTION	DUE DATE	INIT	DATE
0	Exam/Inspection Schedule Agreement	Dec 6, 2000	JLP	12/19/2000
1	NRC Staff & Fac. Contact Assigned	Dec 6, 2000	JLP	12/19/2000
2	Facility contact briefed on security & other issues	Dec 6, 2000	JLP	12/19/2000
3	Corp. Notification Letter Sent	Dec 6, 2000	[illegible]	1/11/01
3a	Inspection Announcement Letter Sent (PIR & LORT if req'd)	Apr 20, 2001	N/A	N/A
4	Task Expectations, Issues, & Standards Discussed w/ BC	Mar 6, 2001	AT	4/17/01
5	[Reference Material Due]	Feb 4, 2001	N/A	N/A
6	Integrated Exam Outlines Due	Feb 4, 2001	[illegible]	2/12/01
7	Outlines reviewed by NRC & Feedback Sent	Feb 18, 2001	[illegible]	2/16/01
8	Preliminary Applications Due	May 5, 2001	[illegible]	5/5/01
9	Draft Exams w/ Doc./Ref. Due	Apr 5, 2001	[illegible]	4/6/01
10*	Independent Reviewer Initials As Reviewed All Parts	Apr 15, 2001	M	4/16/01
11*	NRC Supervisor. Initials Approving for Fac. Rev.	Apr 15, 2001	AT	4/17/01
12	Exams Reviewed w/ Fac.	~~Apr 15~~ May 14, 2001	[illegible]	5/16/01
13	Final Appl. Due & Assign. Sheet Prepared	May 21, 2001	[illegible]	5/21/01
14*	NRC Supervisor Approved Final Exams	May 28, 2001	AT	5/30/01
15	Final Appl. Rec'd & Waivers Sent	May 28, 2001	[illegible]	5/23/01
16	Proctor Rules Reviewed w/ Fac. & Written Authorized	May 28, 2001	[illegible]	5/30/01
17	Exam/Insp Material to Team	May 28, 2001	[illegible]	5/30/01
18	Fac. graded exam & Comments Rec'd	Jun 16, 2001	[illegible]	6/8/01
19	NRC Written Grading Completed	Jun 19, 2001	[illegible]	6/12/01
20	Examiners Finished Grading Op. Tests	Jun 19, 2001	[illegible]	6/18/01
21	NRC Ch. Ex. Review Completed	Jun 29, 2001	[illegible]	6/14/01
22*	NRC BC Review Completed	Jun 30, 2001	AAP	07/18/01
23	RPS/IP Examinees Updated Before Report Issued	Jul 5, 2001	[illegible]	7/16/01
24	License/Denials Signed & Report Issued	Jul 5, 2001	[illegible]	7/17/01
25	Package Closed Out	Jul 26, 2001	[illegible]	7/18/01
	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: **June 4, 2001**

Item	Task Description	Initials a	Initials b*	Initials c
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	✓	AP	MKR
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all knowledge and ability categories are appropriately sampled.	✓	AP	MKR
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	✓	AP	MKR
	d. Assess whether the repetition from previous examination outlines is excessive.	✓	AP	MKR
2. SIM	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.	✓	AP	MKR
	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.	✓	AP	MKR
	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.	✓	AP	MKR
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.	✓	AP	MKR
	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.	✓	AP	MKR
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	✓	AP	MKR
	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.	✓	AP	MKR
4. GENERAL	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	✓	AP	MKR
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	✓	AP	MKR
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	✓	AP	MKR
	d. Check for duplication and overlap among exam sections.	✓	AP	MKR
	e. Check the entire exam for balance of coverage.	✓	AP	MKR
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	✓	AP	MKR

	Printed Name / Signature	Date
a. Author:	Michael K. Rasch — Michael K. Rasch	2/8/2001
b. Facility Reviewer(*):	Stephen Humphries — Stephen Humphries	2/8/2001
c. Chief Examiner:	Michael E. Murphy — Michael E. Murphy	2/16/01
d. NRC Supervisor:	Anthony Gody — AT Gody	4/17/01

(*) Not applicable for NRC-developed examinations.

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **JUNE 4, 2001** Exam Level: RO/**SRO**

	Item Description	Initial a	Initial b*	Initial c#
1.	Questions and answers technically accurate and applicable to facility			
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401			
4.	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 licensee certifies that there is no duplication; or ___the license exam was prepared by the NRC			
5.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right Bank: **36** Modified: **5** New: **59**			
6.	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: **48** C/A: **52**			
7.	References/handouts provided do not give away answers			
8.	Question content conforms with specific K/A statements in the previously approved examination outline; deviations are justified			
9.	Question psychometric quality and format meet ES, Appendix B, guidelines			
10.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet			

	Printed Name / Signature	Date
a. Author	Michael K. Rasch	4/4/2001
b. Facility Reviewer(*)	Stephen Humphries	4/5/2001
c. NRC Chief Examiner(*)	M.E. Murphy	4/17/01
d. NRC Regional Supervisor(*)	Anthony Gody	4/17/01

Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required.
See special instructions (Section E.2.c) for Items 1, 5, and 8.

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **JUNE 4, 2001** Exam Level: (RO)/SRO

	Item Description				Initial a	Initial b*	Initial c#
1.	Questions and answers technically accurate and applicable to facility						
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available						
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401						
4.	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 licensee certifies that there is no duplication; or ___the license exam was prepared by the NRC						
5.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank: 40	Modified: 6	New: 54			
6.	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: 49	C/A: 51				
7.	References/handouts provided do not give away answers						
8.	Question content conforms with specific K/A statements in the previously approved examination outline; deviations are justified						
9.	Question psychometric quality and format meet ES, Appendix B, guidelines						
10.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet						

	Printed Name / Signature	Date
a. Author	Michael K. Rasch	4/4/2001
b. Facility Reviewer(*)	Stephen Humphries	4/5/2001
c. NRC Chief Examiner(*)	M. E. Murphy	4/17/01
d. NRC Regional Supervisor(*)	Anthony Gody	4/17/01

Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required.
See special instructions (Section E.2.c) for Items 1, 5, and 8.

Facility: **GRAND GULF NUCLEAR STATION** Date of Examination: **06/04/2001 – 06/08/2001**

	1. GENERAL CRITERIA	Initials a	Initials b	Initials 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).			
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.			
c.	The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).			N/A
d.	Overlap with the written examination and between operating test categories is within acceptable limits.			
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.			
	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 · 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			
b.	The prescripted questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.			
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.			
d.	At least 20 percent of the JPMs on each test are new or significantly modified.			
	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.			

	Printed Name / Signature	Date
a. Author	Michael K. Rasch	4/4/2001
b. Facility Reviewer(*)	Stephen Humphries	4/5/2001
c. NRC Chief Examiner (*)	M. E. Murphy	4/17/01
d. NRC Supervisor (*)	Anthony Goody	4/17/01

(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **06/04/2001 – 06/08/2001**

Scenario Numbers: **1 / 2 / 3**

	QUALITATIVE ATTRIBUTES	Initials a	Initials b	Initials 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.			
2.	The scenarios consist mostly of related events.			
3.	Each event description consists of • the point in the scenario when it is to be initiated • the malfunction(s) that are entered to initiate the event • the symptoms/cues that will be visible to the crew • the expected operator actions (by shift position) • the event termination point (if applicable)			
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.			
5.	The events are valid with regard to physics and thermodynamics.			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			
7.	If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.			
8.	The simulator modeling is not altered.			
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.			
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.4 of ES-301.			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			
12.	Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.			

	TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)	1 2 3 Actual Attributes	a	b	c
1.	Total malfunctions (5-8)	6 / 6 / 7			
2.	Malfunctions after EOP entry (1-2)	2 / 2 / 3			
3.	Abnormal events (2-4)	3 / 3 / 2			
4.	Major transients (1-2)	1 / 1 / 1			
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2			
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 / 2			
7.	Critical tasks (2-3)	5 / 2 / 2			

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **06/04/2001 – 06/08/2001**

Scenario Numbers: **4 Backup**

QUALITATIVE ATTRIBUTES		Initials a	Initials b	Initials 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.			
2.	The scenarios consist mostly of related events.			
3.	Each event description consists of • the point in the scenario when it is to be initiated • the malfunction(s) that are entered to initiate the event • the symptoms/cues that will be visible to the crew • the expected operator actions (by shift position) • the event termination point (if applicable)			
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.			
5.	The events are valid with regard to physics and thermodynamics.			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			
7.	If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.			
8.	The simulator modeling is not altered.			
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.			
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.4 of ES-301.			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			
12.	Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.			

TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		4 Actual Attributes	a	b	c
1.	Total malfunctions (5-8)	5 / /			
2.	Malfunctions after EOP entry (1-2)	2 / /			
3.	Abnormal events (2-4)	2 / /			
4.	Major transients (1-2)	1 / /			
5.	EOPs entered/requiring substantive actions (1-2)	2 / /			
6.	EOP contingencies requiring substantive actions (0-2)	1 / /			
7.	Critical tasks (2-3)	4 / /			

Facility: **GRAND GULF NUCLEAR STATION** Date of Exam: **06/04/2001 – 06/08/2001**

Scenario Numbers: **4 / 5 Backups**

	QUALITATIVE ATTRIBUTES	Initials a	Initials b	Initials 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.	✓	DJ	[illegible]
2.	The scenarios consist mostly of related events.	✓	DJ	[illegible]
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)	na	na	na
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.	✓	DJ	[illegible]
5.	The events are valid with regard to physics and thermodynamics.	✓	DJ	[illegible]
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	✓	DJ	[illegible]
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.	✓	DJ	[illegible]
8.	The simulator modeling is not altered.	✓	DJ	[illegible]
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.			[illegible]
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.	✓	DJ	[illegible]
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	✓	DJ	[illegible]
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).	✓	DJ	[illegible]
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	✓	DJ	[illegible]

	TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)	4 5 Actual Attributes			
1.	Total malfunctions (5-8)	6 / 5 /	✓	DJ	[illegible]
2.	Malfunctions after EOP entry (1-2)	2 / 1 /	✓	DJ	[illegible]
3.	Abnormal events (2-4)	2 / 2 /	✓	DJ	[illegible]
4.	Major transients (1-2)	1 / 1 /	✓	DJ	[illegible]
5.	EOPs entered/requiring substantive actions (1-2)	2 / 1 /	✓	DJ	[illegible]
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 /	✓	DJ	[illegible]
7.	Critical tasks (2-3)	4 / 2 /	✓	DJ	[illegible]

GRAND GULF NUCLEAR STATION **DATES: 06/04/2001 – 06/08/2001**

Applicant Type	Evolution Type	Minimum Number	Scenario Number ATC 1	BOP 2		TOTAL
RO 1,3,5,7	Reactivity	1	1	0		1
	Normal	1	0	1		1
	Instrument/ Component	4	3	4		7
	Major	1	1	1		2
As RO	Reactivity	1				
	Normal	0				
	Instrument/ Component	2				
	Major	1				
SRO-I						
As SRO	Reactivity	0				
	Normal	1				
	Instrument/ Component	2				
	Major	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 Hesch

Chief Examiner: W E Murphy

GRAND GULF NUCLEAR STATION **DATES: 06/04/2001 – 06/08/2001**

Applicant Type	Evolution Type	Minimum Number	Scenario Number BOP 1	ATC 2		TOTAL
RO 2,4,6	Reactivity	1	0	1		1
	Normal	1	1	1		2
	Instrument/ Component	4	4	3		7
	Major	1	1	1		2
As RO	Reactivity	1				
	Normal	0				
	Instrument/ Component	2				
	Major	1				
SRO-I						
As SRO	Reactivity	0				
	Normal	1				
	Instrument/ Component	2				
	Major	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.
(4) 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.
(5) 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: mlash

Chief Examiner: RSMurphy

GRAND GULF NUCLEAR STATION **DATES: 06/04/2001 – 06/08/2001**

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
				ATC 2	BOP 3	TOTAL
RO 8	Reactivity	1		1	0	1
	Normal	1		1	0	1
	Instrument/ Component	4		3	3	6
	Major	1		1	1	2
As RO	Reactivity	1				
	Normal	0				
	Instrument/ Component	2				
	Major	1				
SRO-I						
As SRO	Reactivity	0				
	Normal	1				
	Instrument/ Component	2				
	Major	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.
(6) 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.
(7) 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: _____

Chief Examiner: _____

GRAND GULF NUCLEAR STATION **DATES: 06/04/2001 – 06/08/2001**

Applicant Type	Evolution Type	Minimum Number	Scenario Number SS 1		ATC 3	TOTAL
RO	Reactivity	1				
	Normal	1				
	Instrument/ Component	4				
	Major	1				
As RO	Reactivity	1			1	1
	Normal	0			1	1
	Instrument/ Component	2			2	2
	Major	1			1	1
SRO-I						
As SRO	Reactivity	0	0			0
	Normal	1	1			1
	Instrument/ Component	2	5			5
	Major	1	1			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.
(8) 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.
(9) 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: _____

Chief Examiner: _____

GRAND GULF NUCLEAR STATION **DATES: 06/04/2001 – 06/08/2001**

Applicant Type	Evolution Type	Minimum Number	BACKUP SCENARIOS Scenario Number			
			4	5		
RO ATC	Reactivity		1	1		
	Normal		0	1		
	Instrument/ Component		2	1		
	Major		1	1		
As RO BOP	Reactivity		0	0		
	Normal		1	0		
	Instrument/ Component		2	2		
	Major		1	1		
SRO-I						
As SRO SS	Reactivity		0	0		
	Normal		1	1		
	Instrument/ Component		4	3		
	Major		1	1		
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 the minimum requirements.

Author: _____

Chief Examiner: _____

Grand Gulf Nuclear Station **Dates 6/4/2001 – 6/8/2001**

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		
	ATC 1	BOP 2		BOP 1	ATC 2				
Understand and Interpret Annunciators and Alarms	3, 4, 5, 6, 7	1, 3, 4, 5, 6		4, 5, 7	2, 3, 4, 5, 6				
Diagnose Events and Conditions	3, 4, 5, 7	5, 6		4, 5, 7	3, 4, 5, 6				
Understand Plant and System Response	1, 3, 4, 5, 7	1, 3, 5, 6		4, 5, 7	2, 3, 4, 5, 6				
Comply With and Use Procedures (1)	ALL	ALL		ALL	ALL				
Operate Control Boards (2)	1, 3, 4, 5, 6, 7	1, 3, 5, 6		1, 2, 4, 5, 7	2, 3, 4, 5, 6				
Communicate and Interact With the Crew	ALL	ALL		ALL	ALL				
Demonstrate Supervisory Ability (3)	N/A	N/A		N/A	N/A				
Comply With and Use Tech. Specs. (3)	N/A	N/A		N/A	N/A				

Notes:

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

Grand Gulf Nuclear Station **Dates 6/4/2001 – 6/8/2001**

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		
	ATC 1	BOP 2		ATC 2	BOP 3	SS 1		ATC 3
Understand and Interpret Annunciators and Alarms	3, 4, 5, 6, 7	1, 3, 4, 5, 6		2, 3, 4, 5, 6	4, 5	3, 4, 5		2, 3, 5
Diagnose Events and Conditions	3, 4, 5, 7	5, 6		3, 4, 5, 6	4, 5	3, 4, 5, 6, 7		3, 5
Understand Plant and System Response	1, 3, 4, 5, 7	1, 3, 5, 6		2, 3, 4, 5, 6	3, 4, 5	1, 3, 4, 5, 6, 7		1, 2, 3, 5
Comply With and Use Procedures (1)	ALL	ALL		ALL	ALL	ALL		ALL
Operate Control Boards (2)	1, 3, 4, 5, 6, 7	1, 3, 5, 6		2, 3, 4, 5, 6	3, 4, 5	N/A (4)		1, 2, 3, 5
Communicate and Interact With the Crew	ALL	ALL		ALL	ALL	ALL		ALL
Demonstrate Supervisory Ability (3)	N/A	N/A		N/A	N/A	ALL		N/A
Comply With and Use Tech. Specs. (3)	N/A	N/A		N/A	N/A	3		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: _____
Chief Examiner: _____

Grand Gulf Nuclear Station **Dates 6/4/2001 – 6/8/2001**

BACKUP SCENARIOS 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	
	ATC 4	ATC 5	BOP 4	BOP 5	SS 4	SS 5
Understand and Interpret Annunciators and Alarms	3, 4, 5, 6	ALL	2, 4, 6	4, 5	2, 3, 4, 5, 6	ALL
Diagnose Events and Conditions	3, 4, 6	3, 5	4, 6	4, 5	3, 4, 6	3, 4, 5
Understand Plant and System Response	1, 3, 5, 6	ALL	2, 4, 6	4, 5	3, 4, 6	ALL
Comply With and Use Procedures (1)	ALL	ALL	ALL	ALL	ALL	ALL
Operate Control Boards (2)	1, 3, 5, 6	1, 2, 3, 5	2, 4, 6	4, 5	N/A	N/A
Communicate and Interact With the Crew	ALL	ALL	ALL	ALL	ALL	ALL
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A	N/A	ALL	ALL
Comply With and Use Tech. Specs. (3)	N/A	N/A	N/A	N/A	NONE	3, 4

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: _____
Chief Examiner: _____

Facility: Grand Gulf Nuclear Station Date of Exam: June 1, 2001 Exam Level: RO/SRO

	Item Description	Initials a	Initials b	Initials c
1.	Clean answer sheets copied before grading	ML	AP	MM
2.	Answer key changes and question deletions justified and documented	ML	AP	N/A
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	ML	AP	MM
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	N/A ML	N/A AP	N/A
5.	All other failing examinations checked to ensure that grades are justified	N/A ML	N/A AP	N/A MM
6.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	ML	AP	MM

	Printed Name / Signature	Date
a. Grader	Michael K. Rasch Michael K Rasch	6/6/2001
b. Facility Reviewer(*)	[illegible]	6/8/2001
c. NRC Chief Examiner (*)	M.E. Murphy [illegible]	6/11/01
d. NRC Supervisor (*)	Dale Powers / Dale Powers	6/18/01

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

Facility: GRAND GULF Nuclear Station Date of Exam: June 1, 2001 Exam Level: (RO) SRO

	Item Description	Initials a	Initials b	Initials c
1.	Clean answer sheets copied before grading	MK	MP	[illegible]
2.	Answer key changes and question deletions justified and documented	MK	MP	N/A [illegible]
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	MK	MP	[illegible]
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	N/A MK	N/A MP	N/A [illegible]
5.	All other failing examinations checked to ensure that grades are justified	N/A MK	N/A MP	N/A [illegible]
6.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	MK	MP	[illegible]

	Printed Name / Signature	Date
a. Grader	Michael K. Rasch [illegible]	6/6/2001
b. Facility Reviewer(*)	[illegible]	6/8/2001
c. NRC Chief Examiner (*)	M. E. Murphy [illegible]	6/11/01
d. NRC Supervisor (*)	DALE POWERS / [illegible]	6/18/01

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

Operator Licensing Exam Schedule

From 10/01/2000 To 09/30/2001

Region: 4 **Phase Code: 5 Operational**

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
10/01/2000	Grand Gulf / 05000416 / Procedure #: 7111111Q					DIXON-HERRITY, JENNIFER L.	ALTER, PETER J. DIXON-HERRITY, JENNIFER L.
12/18/2000	Grand Gulf / 05000416 /	RO - 2	SROI - 2	Admin	FFF	MURPHY, MICHAEL E.	MURPHY, MICHAEL E.
01/07/2001	Grand Gulf / 05000416 / Procedure #: 7111111Q					DIXON-HERRITY, JENNIFER L.	ALTER, PETER J. DIXON-HERRITY, JENNIFER L.
04/01/2001	Grand Gulf / 05000416 / 2001003 Procedure #: 7111111Q					HOEG, TIM	ALTER, PETER J. HOEG, TIM
05/07/2001	Grand Gulf / 05000416 / 2001301			Prep		MURPHY, MICHAEL E.	MURPHY, MICHAEL E.
06/04/2001	Grand Gulf / 05000416 / 2001301	RO - 8	SROI - 1	Admin	FFF	MURPHY, MICHAEL E.	MURPHY, MICHAEL E. SANCHEZ, ALFRED STETKA, THOMAS F.
07/01/2001	Grand Gulf / 05000416 / 2001004 Procedure #: 7111111Q					HOEG, TIM	ALTER, PETER J. HOEG, TIM
08/27/2001	Grand Gulf / 05000416 / 2001004 Procedure #: 7111111B					MURPHY, MICHAEL E.	MURPHY, MICHAEL E. STETKA, THOMAS F.
09/30/2001	Grand Gulf / 05000416 / 2001005 Procedure #: 7111111Q					HOEG, TIM	ALTER, PETER J. HOEG, TIM

Sites: GG
Orgs: ALL
Exam Author: ALL

GRAND GULF

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/4/2001 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 6/4/2001. 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. Rascik	SR. OPS INST.	Developer		1/22/2001		6/8/2001	
2. MIMS H. BISHOP	OPS INSTRUCTOR	DEVELOPER		1-27-2001		7-3-2001	
3. Stephen Humphries	OPS. COORDINATOR	FACILITY REP		1-30-2001		6/11/2001	
4. Robert Goldman	Sr. Lead Engineer	/Sim		3-6-2001		6/12/2001	
5. MICKEY ELLIS	Control Room Supt	VALIDATE		3/6/01		6/18/2001	
6. David Killingsworth	R.O.	VALIDATE		6 mpnd		14 June 2001	
7. Rogen Buttron	RO	VALIDATE		3/6/01		6/14/01	
8. JEFFREY FOSTER	RO	VALIDATE		3/21/01		6-27-01	
9. William Keith Gordon	Control Room Supt.	VALIDATE		3/21/01		6/27/01	
10. JAMES C. O'NEIL	RO	VALIDATE		3-21-01		6-27-01	
11. Frank Wemlet	Shift Mgr	'D' VALIDATE		3-21-01		6-27-01	
12. Aline GRIFFIN	I&C TECH	/SIMULATOR MAINT.		3-29-01		6-11-01	
13. Joey Stuckey	R.O	VALIDATE		3-30-01		6-11-01	
14. Tommy Errington	SRO	VALIDATE		3-30-01		6-14-01	
15. Hardy Farris	SRO	VALIDATE		4/3/01		7/3/2001	

NOTES:

GRAND GULF

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/4/2001 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 6/4/2001. 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)	DATENOTE
1. ALAN HOLBROOK	SRO/STA	VALIDATE	Alan Holbrook	4/3/01	Alan Holbrook	6-21-01
2. Ricky Liddell	SRO/STA	VALIDATE	Ricky Liddell	4/3/01	Ricky Liddell	6-14-01
3. JOHN P. WATKINS	RO	VALIDATE	John P. Watkins	4/3/01	John P. Watkins	6/11/01
4. Steven Angel	RO	VALIDATE	Steven Angel	4/3/01	Steven Angel	6/11/01
5. Ronald W. Hogue	RO	VALIDATE	Ronald W. Hogue	4/4/01	Ronald W. Hogue	7-3-01
6. Scotty BEACH	NOB	Validator	Scotty Beach	5-7-01	Scotty Beach	6-18-01
7. S. K. ELLIOTT	RO	VALIDATE	S. K. Elliott	5-15-01	S. K. Elliott	6/14/01
8. Thomas McIntyre	Trng Supv. Sim/LOR	Supv.	Thomas McIntyre	5-25-01	Thomas McIntyre	6-8-01
9. Steve Reeves.	Sr. OPS	Instructor	Steve Reeves	6/1/01	Steve Reeves	6/8/01
10. Shirley Williams	Adm. Specialist		Shirley Williams	6/4/01	Shirley Williams	6-11-01
11. CURTIS BUFORD	Sr OPS	INSTR	C. Buford	6-4-01	C. Buford	6-11-01
12. Kyle Grillis	OPS instr		K. Grillis	6-4-1	K. Grillis	6-11-1
13. Tommy HARRELSON	OPS	INSTR	T. Harrelson	6.7.01	T. Harrelson	6-8-01
14.						
15.						

NOTES: