

Operations Branch Assignment Check Sheet:
 (Includes ES-201-1 & ES-501-1 Rev. 8, Supplement 1 information)

as of: 10/15/2001

Chief: T. McKernon

Facility/Task: FCS IN EX

Task Start Date: 09/09/2002

Writ on ✓
9/6

ITEM DESCRIPTION	DUE DATE	INIT	DATE
0 Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Mar 13, 2002	ATG	10/15/2001
1 NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Mar 13, 2002	ATG	10/15/2001
2 Facility contact briefed on security & other issues (C.2.c)	Mar 13, 2002	DM	3/6/02
3 Corp. Notification Letter Sent (C.2.d) (Exams only)	Mar 13, 2002	DM	3/7/02
3a Inspection Announcement Letter Sent (PIR & LORT if req'd)	Jul 26, 2002	N/A	—
4 Task Expectations, Issues, & Standards Discussed w/ BC	Jun 11, 2002	DM	3/7/02
5# [Reference Material Due (C.1.d;C.3.c)]	May 12, 2002	DM	5/14/02
6# Integrated Exam Outlines Due (C.1.d&e;C.3.d)	May 12, 2002	DM	5/14/02
7# Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	May 26, 2002	DM	5/18/02
8# Preliminary Applications Due (C.1.j;C.2.g;ES202)	Aug 10, 2002	DM	8/13/02
9# Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	Jul 15, 2002	DM	7/15/02
10# Peer Reviewer Initials As Reviewed All Parts*	Jul 21, 2002	DM	7/21/02
11# NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Jul 21, 2002	DM	7/23/02
12# Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	Jul 21, 2002	DM	7/21/02
13# Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Aug 26, 2002	DM	8/15/02
14# NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Sep 2, 2002	DM	9/2/02
15# Final Appl. Rec'd & Waivers Sent (C.2.g)	Sep 2, 2002	DM	9/3/02
16# Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	Sep 2, 2002	DM	9/4/02
17 Exam/Insp Material to Team (C.3.i)	Sep 2, 2002	DM	9/3/02
18# Fac. graded exam & Comments Rec'd	Sep 21, 2002	DM	9/13/02
19# NRC Written Grading Completed	Sep 24, 2002	DM	9/16/02
20# Examiners Finished Grading Op. Tests	Sep 24, 2002	DM	9/16/02
21# NRC Ch. Ex. Review Completed	Oct 4, 2002	DM	9/16/02
22 NRC BC Review Completed*	Oct 5, 2002	DM	9/16/02
23# RPS/IP # Examinees Updated Before Report Issued	Oct 10, 2002	DM	9/19/02
24 License/Denials Signed & Report Issued	Oct 10, 2002	DM	9/16/02
25 Package Closed Out	Oct 31, 2002	DM	9/24/02
Final Inspection Report Issued, Exam Package to OLA, Facility. Contact Notified of Results			

Not required for inspections, except as noted.

* Note Supervisor/Peer initials required.

[] Required NRC-auth. exams only.

When complete, for exams, add to pkg & fwd copy to BC, for insp, fwd orig'l to BC.

Last revised 10/15/01

S:\DRS\OB\EXAMS\fcs\September 2002 Exam\exam assignment sheet.wpd

Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	c#
WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	Jk	AW	AW
	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.	Jk	AW	AW
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	Jk	AW	AW
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	Jk	AW	AW
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.	Jk	AW	AW
	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.	Jk	AW	AW
	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.	Jk	AW	AW
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.	Jk	AW	AW
	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.	Jk	AW	AW
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	Jk	AW	AW
	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.	Jk	AW	AW
GENERAL	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	Jk	AW	AW
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	Jk	AW	AW
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	Jk	AW	AW
	d. Check for duplication and overlap among exam sections.	Jk	AW	AW
	e. Check the entire exam for balance of coverage.	Jk	AW	AW
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	Jk	AW	AW
a. Author	Jerry Koske / <u>Jerry Koske</u>	Date	5/5/02	
b. Facility Reviewer (*)	DAVID E. WEAVER / <u>DEW</u>		5/9/02	
c. NRC Chief Examiner (#)	G.E. Werner / <u>GEW</u>		5/20/02	
d. NRC Supervisor	ANTHONY T. LODY / <u>ATL</u>		5/22/02	

Note: * Not applicable for NRC-developed examinations.
Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.

- ① Need to verify that these scenarios are different from audit, which ^{is} during Prep wk.
- ② Schedule is not detailed enough, but on to make an exact determination, but based on past experience, there should not be a problem.
- ③ For SRO(w) JPM B.2 need a JPM that tests the applicant response to an emergency or abnormal condition

Fort Calhoun Initial Exam (September 2002)
Outline Review Comments

Comments:

1. All K/As <2.5 were automatically excluded. The rejected K/As were not reviewed for plant specific priorities and no wholesale review of rejected K/As with Region IV. Discussed this with Jerry Koske on May 15. Told Jerry not to do any reviews of rejected K/As until I discussed with Tom.
2. Audit test and outline developed by Jerry Koske. The written audit test was developed using parts of past NRC exams. The operating audit test used the last NRC exam. As part of the review, Admin JPMs A.3 and A.4 for the ROs have similar titles to those used on the last operating exam. Discussed this with Jerry Koske on May 20 and he indicated that both A.3 and A.4 on the initial exam will be different from the audit test. No can be duplicated from the audit test as indicated by Form ES-201-2, Item 3.a.(3). **Need to verify this after development of the JPMs.**
3. Once developed, the written questions will be reviewed for overlap with the audit exam written questions.
4. On ES-301-5 for RO1 and RO3 - for Scenario 2, why would the BOP get credit for instrument/component failure #4 (dropped rod)? Looks like only the RO would get credit. W
0
5. Form ES 301-5 for RO2 and RO4 - for Scenarios 1 & 2, only a total of 4 failures for each applicant. May want to consider adding an extra failure to both scenarios to ensure each candidate gets at least 4 failures. ✓
6. Scenarios 1 & 4 - no malfunction after EOP entry contrary to NUREG 1021, Appendix D, Step C.2.c and Form ES 301-4. ✓
7. No ES 301-5 and 301-6 for spare Scenario 4. /
8. For SRO (U) JPMs B.2 (in-plant JPMs), need to have at least one of the two JPMs that has the candidate respond to an emergency or abnormal condition and perform associated tasks. Discussed this with Jerry Koske on May 20 and I recommended using JPM B.2.a to replace JM B.2.c. This will give the SRO(U) the required emergency/abnormal condition for the in-plant JPM section. ✓

Facility: <u>Fort Calhoun</u>		Date of Exam: <u>9/6/02</u>		Exam Level: RO/SRO		
Item Description	Initial			a	b*	c#
	a	b*	c#			
1. Questions and answers technically accurate and applicable to facility	EK	JW	JW			
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	EK	JW	JW			
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	EK	JW	JW			
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process						JW
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" 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)	EK	JW				JW
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	Modified	New	EK	JW	JW
	RO/SRO 67/56	9/8	24/36			
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	C/A		EK	JW	JW
	RO/SRO 47/44	53/56				
8. References/handouts provided do not give away answers	EK	JW	JW			
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	EK	JW	JW			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	EK	JW	JW			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	EK	JW	JW			
a. Author	Printed Name / Signature <u>Jerry Koskel / Jerry Koskel</u>			Date <u>7/12/02</u>		
b. Facility Reviewer (*)	<u>DAVID WEAVER / David Weaver</u>			<u>7/12/02</u>		
c. NRC Chief Examiner (#)	<u>T.O. McKERNON / T.O. McKernon</u>			<u>9/3/02</u>		
d. NRC Regional Supervisor	<u>Thomas F. Stecko / Thomas F. Stecko</u>			<u>9/5/02</u>		
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						

Facility: <u>Fort Calhoun</u>		Date of Examination: <u>9/6/02</u>		Operating Test Number:	
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).	EK	AW	TM	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	EK	AW	TM	
c.	The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	EK	AW	TM	
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	EK	AW	TM	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	EK	AW	TM	
2. WALK-THROUGH (CATEGORY A & B) 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 • 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 	EK	AW	TM	
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	EK	AW	TM	
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.	EK	AW	TM	
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	EK	AW	TM	
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.	EK	AW	TM	
a. Author	<u>Jerry E. Koske / Jerry E. Koske</u>	Date <u>7/12/02</u>			
b. Facility Reviewer(**)	<u>David E. Weaver / [Signature]</u>	<u>7/12/02</u>			
c. NRC Chief Examiner (#)	<u>T.O. McKEAYDON / T.O. McKeaydon</u>	<u>9/3/02</u>			
d. NRC Supervisor	<u>Thomas F. Stetko / Thomas F. Stetko</u>	<u>9/5/02</u>			
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.					

Facility: FCS		Date of Exam: 9/9-12	Scenario Numbers: 1/2/	Operating Test No.:	
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.	JK	AW	DM	
2.	The scenarios consist mostly of related events.	JK	AW	DM	
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)	JK	AW	DM	
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.	JK	AW	DM	
5.	The events are valid with regard to physics and thermodynamics.	JK	AW	DM	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	JK	AW	DM	
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.	JK	AW	DM	
8.	The simulator modeling is not altered.	JK	AW	DM	
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.	JK	AW	DM	
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.	JK	AW	DM	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	JK	AW	DM	
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).	JK	AW	DM	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	JK	AW	DM	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	-	-	-
1.	Total malfunctions (5-8)	8 17/6/6	JK	AW	DM
2.	Malfunctions after EOP entry (1-2)	1 12/2/1	JK	AW	DM
3.	Abnormal events (2-4)	3 12/2/3	JK	AW	DM
4.	Major transients (1-2)	1 1/1/2/2	JK	AW	DM
5.	EOPs entered/requiring substantive actions (1-2)	1 12/2/1	JK	AW	DM
6.	EOP contingencies requiring substantive actions (0-2)	0 1/1/0	JK	AW	DM
7.	Critical tasks (2-3)	22 12/1/4/5	JK	AW	DM

* Scenario events have been validated on simulator. Scenarios have not yet been validated with a crew

ISRO 1, ISRO 2

OPERATING TEST NO.:

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO	Reactivity	1				
	Normal	1				
	Instrument / Component	4				
	Major	1				
As RO	Reactivity	1			4	
	Normal	0			1	
	Instrument / Component	2			2, 3	
	Major	1			5, 6	
SRO-I	Reactivity	0	5			
	Normal	1	1, 5			
	Instrument / Component	2	2, 6, 7			
	Major	1	8			
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 the minimum requirement.

Author:

NRC Reviewer:

Jay Z...
...

ISRO1, ISRO2

ES-301

Competencies Checklist

Form ES-301-6

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			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	2,3 4,7		2,3 5,6									
Diagnose Events and Conditions	2,3 4,7		2,3 7,8									
Understand Plant and System Response	2,8		4,5 6									
Comply With and Use Procedures (1)	1,4 5,7		3,4 6									
Operate Control Boards (2)			1,4 6,2									
Communicate and Interact With the Crew	2,4 5,8		2,4 6									
Demonstrate Supervisory Ability (3)	2,4 5,8											
Comply With and Use Tech. Specs. (3)	6,7											
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>												

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: _____

USRO1, USRO2

OPERATING TEST NO.:

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
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				
SRO-U	Reactivity	0		5	4	
	Normal	1		1,5	1,4	
	Instrument / Component	2		2,3 4,7	2,3 6,7	
	Major	1		6	5,6	

- 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 requirement.

Author: _____

NRC Reviewer: _____

① ~~per NUREG 1021, App. D, C.2.1 → # of failures after EOP ending~~
 25 of 26 NUREG-1021, Revision 8, Supplement 1
~~do not count towards total # of abnormal events.~~ *Jeff*

USRO1, USRO2

ES-301

Competencies Checklist

Form ES-301-6

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			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms		3,4 6	2,3 5,6									
Diagnose Events and Conditions		3,4 6,7	2,3 6,7									
Understand Plant and System Response		3,4 6,8	2,4 5,6									
Comply With and Use Procedures (1)		1,4 5,6	3,5 6									
Operate Control Boards (2)												
Communicate and Interact With the Crew		2,4 5,6	2,3 5,6									
Demonstrate Supervisory Ability (3)		4,5 6,7	3,4 5,8									
Comply With and Use Tech. Specs. (3)		4	3									
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>												

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: _____

Jay Kocher

B. E. ...

NRC Reviewer: _____

R01, R03

OPERATING TEST NO.:

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO	Reactivity	1	5			
	Normal	1	1	5	4	
	Instrument / Component	4	2, 7	4, 7 8, 2	7	
	Major	1	8	6	5, 6	

why would bob get #4

As RO	Reactivity	1				
	Normal	0				
	Instrument / Component	2				
	Major	1				

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 the minimum requirement.

Author: Jeff Karcher

NRC Reviewer: [Signature]

RO1, RO3

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			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	2,4 7,8	2,6 7	5,7									
Diagnose Events and Conditions	2,4 7,8	2,6 7,8	5,7									
Understand Plant and System Response	2,4 5,8	2,6 7,8	4,5 7									
Comply With and Use Procedures (1)	1,5 8	4,5 6	4,5 6,7									
Operate Control Boards (2)	1,2 5,8	2,4 5,8	4,5 6,7									
Communicate and Interact With the Crew	2,4 5,8	2,5 7,8	4,5 6,7									
Demonstrate Supervisory Ability (3)												
Comply With and Use Tech. Specs. (3)												
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>												

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: _____

Jay Kerk

NRC Reviewer: _____

Paul

R02, R04

OPERATING TEST NO.:

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO	Reactivity	1		5		
	Normal	1	5	1,5		
	Instrument / Component	4	3,6	3,4		
	Major	1	8	6		
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				
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

← Then on I & C failures

- 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 requirement.

Author: _____
 NRC Reviewer: _____

Facility:		Date of Exam:		Exam Level <u>RO/SRO</u>		
Item Description				Initials		
				a	b	c
1.	Clean answer sheets copied before grading			EK	AW	DM
2.	Answer key changes and question deletions justified and documented			N/A	N/A	N/A
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)			EK	AW	DM
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail			N/A	N/A	N/A
5.	All other failing examinations checked to ensure that grades are justified			N/A	N/A	N/A
6.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants			EK	AW	DM
				Printed Name / Signature		Date
a.	Grader			Jerry Kostre / <i>Jerry Kostre</i>		9/9/02
b.	Facility Reviewer(*)			DAVID E WEAVER / <i>D Weaver</i>		9/12/02
c.	NRC Chief Examiner (*)			T.O. McKERNON / <i>T.O. McKernon</i>		9/16/02
d.	NRC Supervisor (*)			Anthony J. Gody / <i>Anthony J. Gody</i>		9/16/02
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.						

Facility:	Date of Exam:	Exam Level: RC/SRO	
Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	JK	JW	JOM
2. Answer key changes and question deletions justified and documented	N/A	N/A	N/A
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	JK	JW	JOM
4. Grading for all borderline cases (80% +/- 2%) reviewed in detail	N/A	N/A	N/A
5. All other failing examinations checked to ensure that grades are justified	N/A	N/A	N/A
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	JK	JW	JOM
	Printed Name / Signature	Date	
a. Grader	<u>Jerry Kostel / J. Kostel</u>	<u>9/9/02</u>	
b. Facility Reviewer(*)	<u>DAVID E WEAVER / D Weaver</u>	<u>9/12/02</u>	
c. NRC Chief Examiner (*)	<u>J.O. MCKERNON / J.O. McKernon</u>	<u>9/16/02</u>	
d. NRC Supervisor (*)	<u>ANTHONY T. GORDY / Anthony T. Gordy</u>	<u>9/16/02</u>	
(*) 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 08/01/2002 To 09/15/2002

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
08/26/2002	Fort Calhoun / 05000285 / 2002301 TAC #: X02230		Prep		MCKERNON, THOMAS O.	MCKERNON, THOMAS O.
09/09/2002	Fort Calhoun / 05000285 / 2002301 TAC #: X02230	RO - <i>13</i> SROU - 2	SROI - <i>1</i> Admin		MCKERNON, THOMAS O.	BUNDY, HOWARD F. JOHNSTON, GARY W. MCKERNON, THOMAS O.

Sites: FCS

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 9/6, 9/9, 2002 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 9/6, 9/9, 2002 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. Jerry E. Koske	Training Consultant	<i>Jerry E. Koske</i>	4/05/02	<i>Jerry Koske</i>	9/10/02
2. DAVID E. WEAVER	Supervisor - Ops/Tech Train	<i>David E. Weaver</i>	5/19/02	<i>David E. Weaver</i>	9/12/02
3. Dave Daccow	OPS TRAINING SPECIALIST	<i>Dave Daccow</i>	7-8-02	<i>Dave Daccow</i>	9/14/02
4. LESLIE E. LAPS	SUPERVISOR OPERATIONS TRAINING-SIMULATOR	<i>Leslie E. Laps</i>	9/9/02	<i>Leslie E. Laps</i>	9/14/02
5. Matthew H. Bohl	STA / CRS	<i>Matthew H. Bohl</i>	7-9-02	<i>Matthew H. Bohl</i>	9/16/02
6. ROBIN FISHER	RO	<i>Robin Fisher</i>	7-9-02	<i>Robin Fisher</i>	9-18-02
7. Tony Stella	RO	<i>Tony Stella</i>	7-9-2	<i>Tony Stella</i>	9-18-02
8. Michael Sandhoefer	SRO Home (Site Manager)	<i>Michael Sandhoefer</i>	7-9-02	<i>Michael Sandhoefer</i>	9/17/02
9. TIM KEE	Simulator Support SRO	<i>Tim Kee</i>	7-10-02	<i>Tim Kee</i>	9/17/02
10. Bob Johnston	Simulator Software	<i>Bob Johnston</i>	7/12/02	<i>Bob Johnston</i>	9/17/02
11. MARK L. GUTIERREZ	SIMULATOR COMP. SPECIALIST	<i>Mark L. Gutierrez</i>	8/5/02	<i>Mark L. Gutierrez</i>	9/17/02
12. A. J. WRIGHT	Simulator Support SRO	<i>A. J. Wright</i>	8/5/02	<i>A. J. Wright</i>	9/17/02
13. White Brambley	Simulator Support SRO	<i>White Brambley</i>	8-15-02	<i>White Brambley</i>	9-17-02
14. Phillip Dechar	SRO Home (CRS)	<i>Phillip Dechar</i>	8-20-02	<i>Phillip Dechar</i>	9/16/02
15. PHIL DELAZZA	TRAINING	<i>Phil Delazza</i>	8-20-02	<i>Phil Delazza</i>	9/17/02

NOTES:

1. Pre-Examination

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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 9/6, 9/9 2002 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. <u>Richard Kuenyk</u>	<u>Simulator Computer Spec</u>	<u>[Signature]</u>	<u>9/12/02</u>	<u>[Signature]</u>	<u>9/12/02</u>
2. <u>James E Cook</u>	<u>Instructor / Shift Manager</u>	<u>[Signature]</u>	<u>8/27/02</u>	<u>[Signature]</u>	<u>9/17/02</u>
3. <u>Michael J Sandhoeber</u>	<u>(SRO (SOP)) Shift Manager</u>	<u>[Signature]</u>	<u>9-13-02</u>	<u>[Signature]</u>	<u>9-13-02</u>
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