Operations Branch Assignment Check Sheet: as of: 10/15/2001
(Includes ES-201-1 & ES-501-1 Rev. 8, Supplement 1 information)

Chief: T. Stetka

Facility/Task: CG IN EX

Task Start Date: 10/07/2002

	ITEM DESCRIPTION	DUE DATE	INIT	DATE
0	Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Apr 10, 2002	ATG	10/15/2001
1	NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Apr 10, 2002	ATG	10/15/2001
2	Facility contact briefed on security & other issues (C.2.c)	Apr 10, 2002	TJS	1/15/2002
3	Corp. Notification Letter Sent (C.2.d) (Exams only)	Apr 10, 2002	TJS	4/11/02
3a	Inspection Announcement Letter Sent (PIR & LORT if req'd)	Aug 23, 2002	N/A	———
4	Task Expectations, Issues, & Standards Discussed w/ BC	Jul 9, 2002	TJS	7/9/02
5#	[Reference Material Due (C.1.d;C.3.c)]	Jun 9, 2002	N/A	———
6#	Integrated Exam Outlines Due (C.1.d&e;C.3.d)	Jun 9, 2002	TJS	6/6/02
7#	Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	Jun 23, 2002	TJS	6/13/02
8#	Preliminary Applications Due (C.1.j;C.2.g;ES202)	Sep 7, 2002	TJS	9/9/02
9#	Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	Aug 8, 2002	TJS	8/13/02
10#	Peer Reviewer Initials As Reviewed All Parts*	Aug 18, 2002	TJS	9/5/02
11#	NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Aug 18, 2002	AT	9/9/02
12#	Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	Aug 18, 2002	TJS	9/9/02
13#	Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Sep 23, 2002	TJS	9/23/02
14#	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Sep 30, 2002	AT	10/1/02
15#	Final Appl. Rec'd & Waivers Sent (C.2.g)	Sep 30, 2002	TJS	10/2/02
16#	Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	Sep 30, 2002	TJS	9/25/02
17	Exam/Insp Material to Team (C.3.i)	Sep 30, 2002	TJS	9/30/02
18#	Fac. graded exam & Comments Rec'd	Oct 19, 2002	TJS	10/21/02
19#	NRC Written Grading Completed .	Oct 22, 2002	TJS	11/6/02
20#	Examiners Finished Grading Op. Tests	Oct 22, 2002	TJS	11/5/02
21#	NRC Ch. Ex. Review Completed	Nov 1, 2002	TJS	11/6/02
22	NRC BC Review Completed*	Nov 2, 2002	AT	11/7/02
23#	RPS/IP # Examinees Updated Before Report Issued	Nov 7, 2002	TJS	11/8/02
24	License/Denials Signed & Report Issued	Nov 7, 2002	TJS	11/8/02
25	Package Closed Out	Nov 28, 2002	TJS	02/04/03
	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\WNP2\October 2002 Exam\exam assignment sheet.wpd

Facility: Date of Examination:

Item	Task Description	Initials a	b*	c#
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	SA	RLG	WJS
	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.	SA	RLG	WJS
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	SA	RLG	WJS
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	SA	RLG	WJS
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.	SA	RLG	WJS
	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.	SA	RLG	WJS
	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.	SA	RLG	WJS
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.	SA	RLG	WJS
	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.	SA	RLG	WJS
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	SA	RLG	WJS
	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.	SA	RLG	WJS
4. GENERAL	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	SA	RLG	WJS
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	SA	RLG	WJS
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	SA	RLG	WJS
	d. Check for duplication and overlap among exam sections.	SA	RLG	WJS
	e. Check the entire exam for balance of coverage.	SA	RLG	WJS
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	SA	RLG	WJS

	Printed Name / Signature	Date
a. Author	Steve Hutchison / Steve Hutchison	6/5/02
b. Facility Reviewer (*)	Randy Guthrie / Randy Guthrie	6/6/02
c. NRC Chief Examiner (#)	Thomas F. Stetka / Thomas F. Stetka	6/26/02
d. NRC Supervisor	ANTHONY T. GODY / Anthony T. Gody	6/26/02

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

Facility: Cal. Gen. Station Date of Exam: Oct 2002 Exam Level: RO/SRO

Item Description					Initial a	Initial b*	Initial c*
1.	Questions and answers technically accurate and applicable to facility				SA	REG	M
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available				SA	REG	M
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401				SA	REG	M
4.	Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process						M
5.	Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: __ the audit exam was systematically and randomly developed; or __ the audit exam was completed before the license exam was started; or X the examinations were developed independently; or __ the licensee certifies that there is no duplication; or __ other (explain)				SA	REG	M
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: 36	Modified: 5	New: 59	SA	REG	M
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: 43	C/A: 57		SA	REG	M
8.	References/handouts provided do not give away answers				SA	REG	M
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				SA	REG	M
10.	Question psychometric quality and format meet ES, Appendix B, guidelines				SA	REG	M
11.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet				SA	REG	M

	Printed Name / Signature	Date
a. Author	Steve Hutchisen	8/8/02
b. Facility Reviewer (*)	Randy Guthrie	8/12/02
c. NRC Chief Examiner (#)	K. (RYAN LANTZ) // Thomas F. Stetka	8/23/02 // 10/3/02
d. NRC Regional Supervisor	ANTHONY T. GODY	10/2/02

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: Col. Gen. Station Date of Exam: Oct 2002 Exam Level: (RO)/SRO

Item Description					Initial a	Initial b*	Initial c*
1.	Questions and answers technically accurate and applicable to facility				SA	REL	M
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available				SA	REL	M
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401				SA	REL	M
4.	Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process						M
5.	Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: __ the audit exam was systematically and randomly developed; or __ the audit exam was completed before the license exam was started; or X the examinations were developed independently; or __ the licensee certifies that there is no duplication; or __ other (explain)				SA	REL	M
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: 43	Modified: 3	New: 54	SA	REL	M
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: 47	C/A: 53		SA	REL	M
8.	References/handouts provided do not give away answers				SA	REL	M
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				SA	REL	M
10.	Question psychometric quality and format meet ES, Appendix B, guidelines				SA	REL	M
11.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet				SA	REL	M

	Printed Name / Signature	Date
a. Author	Steve Hutchison	8/8/02
b. Facility Reviewer (*)	Randy Guthrie	8/12/02
c. NRC Chief Examiner (#)	M (RANCANTZ) // Thomas F Stetka	8/23/02 // 10/3/02
d. NRC Regional Supervisor	ANTHONY T GODY	10/2/02

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

	Printed Name / Signature	Date
a. Author	Steve Hutchison / Tim Redwine	8/8/02
b. Facility Reviewer(*)	Randy Guthrie	8/12/02
c. NRC Chief Examiner (#)	Thomas F. Stetka / Thomas F. Stetka	10/3/02
d. NRC Supervisor	Anthony T. Gody / A T Gody	10/2/02

NOTE: * The facility signature is not applicable for NRC-developed tests.
Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.

* See attached Statement

STATEMENT CONCERNING
ADMIN (SEC. A) QUESTIONS

The RO Admin Exam contains prescripted questions for sections three and four. These questions are all closed reference, as approved on the original outline submitted.

Facility: COLUMBIA Date of Exam: 10/7/02 Scenario Numbers: 1 / 2 / 3 Operating Test No.: 1

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.			①
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)		Actual Attributes	–	–	–
1.	Total malfunctions (5-8)	8 / 7 / 8			
2.	Malfunctions after EOP entry (1-2)	2 / 2 / 2			
3.	Abnormal events (2-4)	2 / 5 / 5			
4.	Major transients (1-2)	1 / 1 / 1			
5.	EOPs entered/requiring substantive actions (1-2)	2 / 1 / 2			
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 / 1			
7.	Critical tasks (2-3)	5 / 3 / 3			

① Scenario 2 has a rupture of SLC piping without a credible preceding incident. Should have little impact on scenario.

— SPARE SCENARIOS —

ES-301 Simulator Scenario Quality Checklist Form ES-301-4

Facility: COLUMBIA Date of Exam: 10/7/02 Scenario Numbers: 1, 2, 1 Operating Test No.: SPARE

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.			
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).	NA	REG RTA	N/A
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).	NA	N/A	N/A
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.		REG	

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

OPERATING TEST NO.:

Upgrade #1

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

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: [signature]

NRC Reviewer: [signature]

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		SRO	
SRO-U	Reactivity	0	–		–	
	Normal	1	2		4	
	Instrument / Component	2	3,4		3,7	
	Major	1	5		8	

Upgrade #2

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: _____

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						
Upgrade #3	Reactivity	0				
	Normal	1				
As SRO	Instrument / Component	2				
	Major	1				
				SRO	SRO	
SRO-U	Reactivity	0		–	–	
	Normal	1		1	4	
	Instrument / Component	2		3, 5, 6, 7	3, 7	
	Major	1		8	8	

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: _____

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				
			BOP	RO		
As RO	Reactivity	1	–	3		
	Normal	0	2	–		
	Instrument / Component	2	3	4,5,7		
	Major	1	5	8		
					SRO	
SRO-I						
As SRO	Reactivity	0			–	
	Normal	1			4	
	Instrument / Component	2			3,5,7	
	Major	1			8	
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

Instant #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: Jim Redwine

NRC Reviewer: BEuler

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	1 (RO)		– (BOP)	
	Normal	0	–		4	
	Instrument / Component	2	4		5,6,7	
	Major	1	5		8	
SRO-I						
As SRO	Reactivity	0		– (SRO)		
	Normal	1		1		
	Instrument / Component	2		5,7,6		
	Major	1		8		
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

Instant #2

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: Jim Redwine

NRC Reviewer: D Keller

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				
				BOP	RO	
As RO	Reactivity	1		—	1	
	Normal	0		1	—	
	Instrument / Component	2		2,6,7	2,3,7	
	Major	1		8	8	
				SRO		
SRO-I						
As SRO	Reactivity	0	—			
	Normal	1	2			
	Instrument / Component	2	3,4			
	Major	1	5			
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

Instant #3

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: Jim Radomski

NRC Reviewer: DEuler

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				
			BOP	RO		
As RO	Reactivity	1	–	3		
	Normal	0	2	–		
	Instrument / Component	2	3	4,5,7		
	Major	1	5	8		
					SRO	
SRO-I						
As SRO	Reactivity	0			–	
	Normal	1			4	
	Instrument / Component	2			3,5,7	
	Major	1			8	
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

Instant #4

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: Jim Redmond

NRC Reviewer:

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	1 (RO)		- (BOP)	
	Normal	0	-		4	
	Instrument / Component	2	4		5,6,7	
	Major	1	5		8	
SRO-I						
As SRO	Reactivity	0		- (SRO)		
	Normal	1		6		
	Instrument / Component	2		5,6,7		
	Major	1		8		
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

Instant #5

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: Jim Ledoux

NRC Reviewer:

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		BOP –	RO 1	
	Normal	0		1	–	
	Instrument / Component	2		2,6,7	2,3,7	
	Major	1		8	8	
SRO-I				SRO		
As SRO	Reactivity	0	–			
	Normal	1	2			
	Instrument / Component	2	3, 4			
	Major	1	5			
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

Instant #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: _____

OPERATING TEST NO.:

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

RO #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: Jim Redwine

NRC Reviewer:

ES-301 Transient and Event Checklist Form ES-301-5

OPERATING TEST NO.:

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

RO #2 Corrected

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: _____

OPERATING TEST NO.:

RO #2

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

Author: Jim Radwone [signature]

NRC Reviewer: Thomas J Stetka [signature]

OPERATING TEST NO.:

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

RO #3

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: _____

ES-301 Transient and Event Checklist Form ES-301-5

OPERATING TEST NO.:

Applicant Type	Evolution Type	Minimum Number	Scenario Number 1 (BOP)	2	3 (RO)	4
RO	Reactivity	1	–		1	
	Normal	1	2		–	
	Instrument / Component	4	3		2,3,7	
	Major	1	5		8	
As RO	Reactivity	1				
	Normal	0				
	Instrument / Component	2				
	Major	1			–	–
SRO-I	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				
SRO-U	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				

RO #4 Corrected

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: _____

OPERATING TEST NO.:

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

RO #4

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: Jim Radcomb

NRC Reviewer: Thomas J. Stetka

OPERATING TEST NO.:

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

RO #5

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: _____

ES-301 Transient and Event Checklist Form ES-301-5

OPERATING TEST NO.:

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

RO #6 Corrected

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: _____

OPERATING TEST NO.:

Applicant Type	Evolution Type	Minimum Number	Scenario Number 1	2 (BOP)	3 (RO)	4
RO	Reactivity	1	X	—	1	X
	Normal	1	X	4	—	X
	Instrument / Component	4	X	5,6,7	4,5	X
	Major	1	X	8	8	X
As RO	Reactivity	1	X			X
	Normal	0	X			X
	Instrument / Component	2	X			X
	Major	1	X			X
SRO-I						
As SRO	Reactivity	0	X			X
	Normal	1	X			X
	Instrument / Component	2	X			X
	Major	1	X			X
SRO-U	Reactivity	0	X			X
	Normal	1	X			X
	Instrument / Component	2	X			X
	Major	1	X			X

RO #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: Jim Radvone

NRC Reviewer: Thomas F. Stetka

Competencies	Applicant #1 RO/SRO-I/SRO-U (SRO-I circled)				Applicant #2 RO/SRO-I/SRO-U (SRO-I circled)				Applicant #3 RO/SRO-I/SRO-U (SRO-I circled)			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	~~4~~	1	2	3	~~4~~	1	2	3	~~4~~
Understand and Interpret Annunciators and Alarms	3	4,5,7	2,3,5,6,7		4	2	5,6		3,4	2,6	2,3,7	
Diagnose Events and Conditions	3	4,5,7	2,3,5,6,7		4	2,3	5,6		3,4	2,6	2,3,7	
Understand Plant and System Response	2,3	3,5,7	ALL		1,4	ALL	4,5,6		ALL	1,2,6	2,3,7	
Comply With and Use Procedures (1)	2,3	3,5,7	ALL		1,4	ALL	4,5,6		ALL	1,2,6	1,2,3,7	
Operate Control Boards (2)	2,3	3,4,			1,4		4,5,6		-	1,2,4	1,2,3,7	
Communicate and Interact With the Crew	2,3	3,4,5,7	ALL		1,4	ALL	4,5,6		ALL	1,2,6	1,2,3,7	
Demonstrate Supervisory Ability (3)			ALL			ALL			ALL			
Comply With and Use Tech. Specs. (3)			2,3			5,6			4			

Notes:

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

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: ____________________

Competencies	Applicant #14 RO/SRO-I/SRO-U SCENARIO				Applicant #25 RO/SRO-I/SRO-U SCENARIO				Applicant #36 RO/SRO-I/SRO-U SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	3		2,3 5,6 7		4	2	5,6		3,4	2	2,3	
Diagnose Events and Conditions	3	4,5	2,3 5,6 7		4	2,4	5,6		3,4	2	2,3	
Understand Plant and System Response	2,3	3,4 5	ALL		1,4	ALL	4,5 6		ALL	2,6 1	1,2 3	
Comply With and Use Procedures (1)	2,3	3,4 5	ALL		1,4	ALL	4,5 6		ALL	2,6 1	1,2 3	
Operate Control Boards (2)	2,3	3,4			1,4		4,5 6			2,6 1	1,2 3	
Communicate and Interact With the Crew	2,3	3,4 5	ALL		1,4	ALL	4,5 6		ALL	2,6 1	1,2 3	
Demonstrate Supervisory Ability (3)			ALL			ALL			ALL			
Comply With and Use Tech. Specs. (3)			2,3			5,6			4			

Notes:

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

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: Jim Pedarine

NRC Reviewer: [signature]

Competencies	Applicant #1 (RO circled) RO/SRO-I/SRO-U				Applicant #2 (RO circled) RO/SRO-I/SRO-U				Applicant #3 (RO circled) 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	4	2,6			3	7			4	5,6		
Diagnose Events and Conditions	4	2,6			3	4,5,7			4	5,6		
Understand Plant and System Response	1,4	1,2,6			2,3	3,4,5,7			1,4	4,5,6		
Comply With and Use Procedures (1)	1,4	1,2,6			2,3	3,4,5			1,4	4,5,6		
Operate Control Boards (2)	1,4	1,2,6			2,3	3,4,5			1,4	4,5,6		
Communicate and Interact With the Crew	1,4	1,2,6			2,3	3,4,5,7			1,4	4,5,6		
Demonstrate Supervisory Ability (3)												
Comply With and Use Tech. Specs. (3)												

Notes:

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

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: [signature]

NRC Reviewer: [signature]

Corrected for RO #6
Scenario #2 only

ES-301 Competencies Checklist Form ES-301-6

Competencies	Applicant #4 (RO) SRO-I/SRO-U				Applicant #5 (RO) SRO-I/SRO-U				Applicant #6 (RO) SRO-I/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1	X 2	3	X 4	2	X 1	3	X 4	X 1	2	3	X 4
Understand and Interpret Annunciators and Alarms	3		2,3		7		5,6			2,6 7	2,3	
Diagnose Events and Conditions	3		2,3		4,5 7		5,6			2,6 7	2,3	
Understand Plant and System Response	2,3		1,2 3		3,4 5,7		4,5 6			1,2 4,7	1,2 3	
Comply With and Use Procedures (1)	2,3		1,2 3		3,4 5,7		4,5 6			1,2 6,7	1,2 3	
Operate Control Boards (2)	2,3		1,2 3		3,4 5		4,5 6			1,2 6,7	1,2 3	
Communicate and Interact With the Crew	2,3		1,2 3		3,4 5,7		4,5 6			1,2 4,7	1,2 3	
Demonstrate Supervisory Ability (3)												
Comply With and Use Tech. Specs. (3)												

Notes:

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

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: _____

Competencies	Applicant #24 (RO)/SRO-I/SRO-U — SCENARIO				Applicant #25 (RO)/SRO-I/SRO-U — SCENARIO				Applicant #26 (RO)/SRO-I/SRO-U — SCENARIO			
	1	2	3	4	2	1	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	3		2,3		7		5,6		2,6		2,3	
Diagnose Events and Conditions	3		2,3		4,5 7		5,6		2,6		2,3	
Understand Plant and System Response	2,3		1,2 3		3,4 5,7		4,5 6		1,2 6		1,2 3	
Comply With and Use Procedures (1)	2,3		1,2 3		3,4 5,7		4,5 6		1,2 6		1,2 3	
Operate Control Boards (2)	2,3		1,2 3		3,4 5		4,5 6		1,2 6		1,2 3	
Communicate and Interact With the Crew	2,3		1,2 3		3,4 5,7		4,5 6		1,2 6		1,2 3	
Demonstrate Supervisory Ability (3)												
Comply With and Use Tech. Specs. (3)												

Notes:

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

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: ______________________

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

Notes:

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

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: Jim Rahome

NRC Reviewer: _____

Facility: Columbia	Date of Exam: 10/4/02	Exam Level: RO/SRO

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

	Printed Name / Signature	Date
a. Grader	/Steve Hutchison	10/17/02
b. Facility Reviewer(*)	Randy Guthrie / Randy Guthrie	10/17/02
c. NRC Chief Examiner (*)	Thomas F. Stetka / Thomas F. Stetka	11/4/02
d. NRC Supervisor (*)	ANTHONY T. GODY / AT Gody	11/6/02

(*) 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 10/01/2002 To 10/31/2002

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

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
10/07/2002	Columbia Generating Station / 05000397 / 2002301 TAC #: X02226	RO - 6 SROU - 3	SROI - 6	Admin		STETKA, THOMAS F.	BUNDY, HOWARD F. LANTZ, RYAN E. MCKERNON, THOMAS O. STETKA, THOMAS F.

Sites: WNP
Orgs: 4620
Exam Author: ALL

Operator Licensing Exam Schedule
From 10/01/2002 To 10/31/2002

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

Summary By Date

10/2002 WNP - Columbia Generating Station

RO - 6 SROI - 6 SROU - 3 LSRO - 0 Total for Columbia Generating Station: 15

Sites: WNP
Orgs: 4620
Exam Author: ALL

Operator Licensing Exam Schedule
From 10/01/2002 To 10/31/2002

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

Summary By Site

WNP - Columbia Generating Station

RO - 6	SROI - 6	SROU - 3	LSRO - 0	Total for Columbia Generating Station: 15

Sites: WNP
Orgs: 4620
Exam Author: ALL

Operator Licensing Exam Schedule
From 10/01/2002 To 10/31/2002

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

Summary By Region

Region 4

RO - 6 SROI - 6 SROU - 3 LSRO - 0 Total for Region 4: 15

Sites: WNP
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 _____ 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 _____. 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.	John S. Sims	Contin. TRNG Coord.	John S. Sims	6/26/02	Richard Lorenzen	10/7/02
2.	RICHARD L. LORENZEN	Dup./Spec.	Richard L. Lorenzen	7/9/02	John S. Sims	10/17/02
3.	Phillip S. Mar	RO		7/2/02		1/20/03
4.	John Hegedus	CRS		7/2/02		11/5/02
5.	MARK Huntsman	RO/CRS		7/3/02		1/26/03
6.	JAMES M PEDRO	RO	J M Pedro	7/9/02	J M Pedro	11/5/02
7.	A J MOORE	CRS		7/10/02		11/5/02
8.	R E Weaver	RO	R E Weaver	7-10-02	R E Weaver	11-5-02
9.	M BAIRD	SM		7/11/02		11-5-02
10.	Mark Painter	Sr. Systems Analyst		7-17-2002		11-7-02
11.	Clay Zlatnik	RO		7-18-02		11-19-02
12.	Jeff Curry	RO		7-30-02		11-4-02
13.	ORA PATTON	Records mgmt Clerk	Ora Lee Patton	7-31-02	Ora Lee Patton	12-4-02
14.	Nicholas E. Kleve	CRS		7-31-02		10-17-02
15.	Neil Patrow	Training Spec.		8-30		

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of _____ 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 _____. 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.	GARY HENDRICK	OPERATIONS PRODUCTION MGR	Gary B. Hendrick	8/5/02	Gary B. Hendrick	11/3/02	
2.	Donald T. Hughes	Training Specilist III	Donald T. Hughes	10/10/02	Donald T. Hughes	10-12-02	
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of _____ 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 _____. 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.	M PRATT	OPS PROCEDURE LEAD	M Pratt	7/29/02	M Pratt	11/12/02	
2.	TIMOTHY LINDSLEY	TRAINING SPECIALIST III	[illegible]	09-24-02	[illegible]	10-17-02	
3.	John Pielli	TRAINING SPECIALIST III	John Pielli	10/16/02	John Pielli	10/17/02	
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 9/4-10/6/2002 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 _____. 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.	MAURICE C. PETERSON	SAFEGUARDS SPECIALIST	M.C Peterson	3/4/02	M.C Peterson	10/18/02	
2.	Steve Hutchison	TRNG SPEC		3/4/02		10/17/02	
3.	JIM REDWINE	TRNG SPEC		3/4/02		10/17/02	
4.	Ron Hayden	Training Specialist		3/4/02		10/17/02	
5.	Carl E Golightly	Simulator Supv.	Carl E Golightly	4/2/02		10/17/02	
6.	Patrick Bagan	Trng Spec		4/16/02		10/17/02	
7.	C L FRYBERGER	RO		8MAY02		19NOV02	
8.	Mark Naulty	RO	Mark Naulty	5-8-02	Mark Naulty	11-14-02	
9.	K. Elliott	CRS		5/8/02		10/31/02	
10.	R. WARNICK	Simulator Eng		5/8/02		10/17/02	
11.	J.E. VALDEZ	I&C TECH /		5-8-02		10-17-02	
12.	W. HART	RO		5-8-02		11-19-02	
13.	T-K RAVINDRANATH	PRINCIPAL ENGINEER		5-8-02		10/17/02	
14.	M. Hedges	SRO		5-8-02		11-20-02	
15.	Randy Guthrie	Ops Trng Manager	Randy Guthrie	6/6/02	Randy Guthrie	10/17/02	

NOTES: