

S. McCrory

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

as of: 10/15/2001

Chief: S. McCrory / T. Stetka

Facility/Task: ANO1 IN EX

Task Start Date: 08/19/2002

ITEM DESCRIPTION	DUE DATE	INIT	DATE
0 Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Feb 20, 2002	ATG	10/15/2001
1 NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Feb 20, 2002	ATG	10/15/2001
2 Facility contact briefed on security & other issues (C.2.c)	Feb 20, 2002	SM	2/20/02
3 Corp. Notification Letter Sent (C.2.d) (Exams only)	Feb 20, 2002	SM	2/20/02
3a Inspection Announcement Letter Sent (PIR & LORT if req'd)	Jul 5, 2002	N/A	—
4 Task Expectations, Issues, & Standards Discussed w/ BC	May 21, 2002	VJS	5/21/02
5# [Reference Material Due (C.1.d;C.3.c)]	Apr 21, 2002	N/A	—
6# Integrated Exam Outlines Due (C.1.d&e;C.3.d)	Apr 21, 2002	VJS	4/13/02
7# Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	May 5, 2002	SM	4/27/02
8# Preliminary Applications Due (C.1.j;C.2.g;ES202)	Jul 20, 2002	VJS	7/18/02
9# Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	Jun 20, 2002	VJS	6/13/02
10# Peer Reviewer Initials As Reviewed All Parts*	Jun 30, 2002	SM	7/15/02
11# NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Jun 30, 2002	ATG	7/11/02 7/16/02
12# Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	Jun 30, 2002	VJS	7/16/02
13# Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Aug 5, 2002	VJS	8/12/02
14# NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Aug 12, 2002	VJS	8/14/02
15# Final Appl. Rec'd & Waivers Sent (C.2.g)	Aug 12, 2002	VJS	8/14/02
16# Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k;D.3)	Aug 12, 2002	VJS	8/14/02
17 Exam/Insp Material to Team (C.3.i)	Aug 12, 2002	VJS	8/12/02
18# Fac. graded exam & Comments Rec'd	Aug 31, 2002	VJS	8/26/02
19# NRC Written Grading Completed	Sep 3, 2002	VJS	8/26/02
20# Examiners Finished Grading Op. Tests	Sep 3, 2002	VJS	8/25/02
21# NRC Ch. Ex. Review Completed	Sep 13, 2002	VJS	8/29/02
22 NRC BC Review Completed*	Sep 14, 2002	VJS	8/29/02
23# RPS/IP # Examinees Updated Before Report Issued	Sep 19, 2002	VJS	9/19/02
24 License/Denials Signed & Report Issued	Sep 19, 2002	VJS	9/19/02
25 Package Closed Out	Oct 10, 2002	VJS	1/29/03
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\ANO\UNIT1\August 2002 Exam\exam assignment sheet.wpd

Facility: Arkansas Nuclear One - Unit One		Date of Examination: 8/16 - 8/23 2002		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	guc	AB	msbnd
	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.	guc	AB	msbnd
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	guc	AB	msbnd
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	guc	AB	msbnd
2. S I M	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	AB*	AB	msbnd
	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.	AB*	AB	msbnd
	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.	AB*	AB	msbnd
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.	guc	AB	UX20 1/20/02 (4)
	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.	guc	AB	msbnd
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	guc	AB	msbnd
	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.	guc	AB	msbnd
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	guc	AB	msbnd
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	guc	AB	msbnd
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	guc	AB	msbnd
	d. Check for duplication and overlap among exam sections.	guc	AB	msbnd
	e. Check the entire exam for balance of coverage.	guc	AB	msbnd
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	guc	AB	msbnd
a. Author: <u>John W. Cook (initials) / G.R. Giles</u> * b. Facility Reviewer (*): <u>Gerald R. Giles</u> c. NRC Chief Examiner (#): <u>Thomas F. Stettin</u> d. NRC Supervisor: <u>ANTHONY T. GODY / Matthew L. Shady</u>		Printed Name / Signature		Date: 4-11-02 4/11/02 6/20/02 8/20/02
Note: * Not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c," chief examiner concurrence required.				

DUE WALKS
JUSTIFICATION.

* G.R. Giles for Daniel E. Smith
DR/MS

Facility: <i>Arkansas Nuclear One - Unit 1</i>				Date of Exam: <i>8/19/02</i>		Exam Level: <u>RO/SRO</u>	
Item Description	Initial			a	b*	c*	
	a	b*	c*				
1. Questions and answers technically accurate and applicable to facility	<i>SAP</i>	<i>10</i>	<i>100</i>				
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	<i>SAP</i>	<i>10</i>	<i>100</i>				
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	<i>SAP</i>	<i>10</i>	<i>100</i>				
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process						<i>100</i>	
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	<i>SAP</i>	<i>10</i>	<i>100</i>				
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	<i>SAP</i>	<i>10</i>	<i>100</i>	
	<i>73</i>	<i>8</i>	<i>19</i>				
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		<i>SAP</i>	<i>10</i>	<i>100</i>	
	<i>29</i>	<i>* 71</i>					
8. References/handouts provided do not give away answers	<i>SAP</i>	<i>10</i>	<i>100</i>				
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	<i>SAP</i>	<i>10</i>	<i>100</i>				
10. Question psychometric quality and format meet ES, Appendix B, guidelines	<i>SAP</i>	<i>10</i>	<i>100</i>				
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	<i>SAP</i>	<i>10</i>	<i>100</i>				
Printed Name / Signature				Date			
a. Author	<i>STEVE Hillier / [Signature]</i>			<i>6/13/02</i>			
b. Facility Reviewer (*)	<i>Gerald K. Gies / [Signature]</i>			<i>6/13/02</i>			
c. NRC Chief Examiner (#)	<i>Thomas F. Stetler / [Signature]</i>			<i>8/19/02</i>			
d. NRC Regional Supervisor	<i>ANTHONY T. BODY / [Signature]</i>			<i>8/15/02</i>			
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.							

* Discussed high CIA value w/ licensee on 17/15/02. Licensee indicated higher CIA was expected of their candidates. *A*

Facility: <i>Arkansas Nuclear One - Unit 1</i>		Date of Exam: <i>8/19/02</i>		Exam Level: RO/SRO		
Item Description	Initial			a	b*	c*
	a	b*	c*			
1. Questions and answers technically accurate and applicable to facility	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			<i>ABP</i>			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
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	<i>SNP</i>	<i>AB</i>	<i>ABP</i>
	<i>72</i>	<i>8</i>	<i>20</i>			
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	CIA		<i>SNP</i>	<i>AB</i>	<i>ABP</i>
	<i>19 (30)</i>	<i>* 81 (70)</i>				
8. References/handouts provided do not give away answers	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
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	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	<i>SNP</i>	<i>AB</i>	<i>ABP</i>			
Printed Name / Signature			Date			
a. Author	<i>STEVE P. Llin / [Signature]</i>			<i>6/13/02</i>		
b. Facility Reviewer (*)	<i>Gerald R. Giles / [Signature]</i>			<i>6/13/02</i>		
c. NRC Chief Examiner (#)	<i>Thomas F. Stettin / [Signature]</i>			<i>8/19/02</i>		
d. NRC Regional Supervisor	<i>ANTHONY T. GODY / [Signature]</i>			<i>8/15/02</i>		
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.						

* Discussed high CIA value with licensee on 8/15/02. Licensee indicated higher CIA was expected of their candidates. A₁

Facility: <u>Arkansas Nuclear One - Unit 1</u>		Date of Examination: <u>8/19/02</u>		Operating Test Number: <u>1</u>	
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).	SAP	MS	JMS	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	SAP	MS	JMS	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	SAP	MS	JMS	
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	SAP	MS	JMS	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	SAP	MS	JMS	
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 	SAP	MS	JMS	
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	SAP	MS	JMS	
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.	SAP	MS	JMS	
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	SAP	MS	JMS	
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.	SAP	MS	JMS	
		Printed Name / Signature		Date	
a.	Author	<u>Steve Pullin / Dan Smith</u>		<u>6/13/02</u>	
b.	Facility Reviewer(*)	<u>Gerald R. Giles / AR/MS</u>		<u>6/13/02</u>	
c.	NRC Chief Examiner (#)	<u>Thomas F. Stetka / Thomas F. Stetka</u>		<u>8/14/02</u>	
d.	NRC Supervisor	<u>ANTHONY T. GODY / AT Gody</u>		<u>8/15/02</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:		Date of Exam:		Scenario Numbers: / /		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.	DS	B	J				
2.	The scenarios consist mostly of related events.	DS	B	J				
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)	DS	B	J				
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.	DS	B	J				
5.	The events are valid with regard to physics and thermodynamics.	DS	B	J				
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	DS	B	J				
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.	DS	B	J				
8.	The simulator modeling is not altered.	DS	B	J				
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.	DS	B	J				
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.	DS	B	J				
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	DS	B	J				
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).	DS	B	J				
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	DS	B	J				
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes		-	-	-	-	
1.	Total malfunctions (5-8)	6	161716	DS	B	J		
2.	Malfunctions after EOP entry (1-2)	2	121211	DS	B	J		
3.	Abnormal events (2-4)	3	141415	DS	B	J		
4.	Major transients (1-2)	1	111112	DS	B	J		
5.	EOPs entered/requiring substantive actions (1-2)	3	121211	DS	B	J		
6.	EOP contingencies requiring substantive actions (0-2)	1	111010	DS	B	J		
7.	Critical tasks (2-3)	3	121212	DS	B	J		

OPERATING TEST NO.: 1

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

As RO	Reactivity	1	N/A	N/A	N/A	N/A
	Normal	0	N/A	N/A	N/A	N/A
	Instrument/Component	2	N/A	N/A	N/A	N/A
	Major	1	N/A	N/A	N/A	N/A
SRO-I						
As SRO	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	N/A	N/A	N/A	N/A
	Instrument/Component	2	N/A	N/A	N/A	N/A
	Major	1	N/A	N/A	N/A	N/A

SRO-U	Reactivity	0	3/5	4	4	3/4
	Normal	1	1	2	1	2
	Instrument/Component	2	2/4/5/6/8	1/3/5/6/7	2/3/5/6/7	1/2/3/5/6/7
	Major	1	7	6	6	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:

Daniel H. Smith

NRC REVIEWER

Chief Examiner: _____

M. G. [Signature]

Operating Test No: 1

Competencies	CBOR Applicant #1 RO/SRO-I/SRO-U				CBOT Applicant #2 RO/SRO-I/SRO-U				CRS 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	4/5/6	1/3/6 7	1/2/3 6/7	1/3/4/ 5/6/7	4/5	1/2/3 6/7	2/3/5/ 6/7	1/2/3/ 4/5/6/ 7	4/5/ 6/7	1/3/5 6/7	1/2/ 3/5/ 6/7	1/2/3 4/5/ 6/7
Diagnose Events And Conditions	4/5/6 7/8	1/3/5 6/7	2/3/5 6/7	1/3/4/ 6/	4/5/7	3/4/6 7	2/3/5/ 6/7	2/3/4/ 5/6/7	2/4/ 5/6/ 7/8	1/2/3 4/5/6/ 7	2/3/ 5/6/ 7	1/3/4 5/6/ 7
Understand Plant And System Response	1/2/4 5/6/ 7/8	1/2/3 4/5/ 6/7	1/2/3 4/5/ 6/7	1/3/4/ 5/6/7	1/2/4 5/7	1/2/3 4/6/ 7	1/2/3/ 4/5/6/ 7	1/2/3/ 4/5/6/ 7	1/2/ 4/5/ 6/7/ 8	1/2/3 4/5/ 6/7	1/2/ 3/4/ 5/6/ 7	1/2/3 4/5/ 6/7
Comply With and Use Procedures (1)	3/5/6 7/8	1/2/5 6/7	1/4/6 7	1/3/4/ 6/7	1/7	1/3/6	1/2/3/ 5/6/7	2/3/4/ 5/7	1/2/ 3/4/ 5/6/ 7/8	1/2/3 4/5/ 6/7	1/2/ 3/4/ 5/6/ 7	1/3/4 5/6/ 7
Operate Control Boards (2)	3/4/5 6/7/ 8	1/2/4 5/6/ 7	1/2/4 6/7	1/3/4/ 6/7	1/2/	1/3/6	2/3/5/ 6/7	1/2/3/ 4/5/6/ 7	N/A	N/A	N/A	N/A
Communicate and Interact With the Crew	1/3/4 5/6/ 7/8	1/2/3 4/5/ 6/7	1/2/3 4/5/ 6/7	1/3/4/ 6/7	1/4/5 6/7	1/3/4 6/7	1/2/3/ 4/5/6/ 7	1/2/3/ 4/5/6/ 7	1/2/ 3/4/ 5/6/ 7/8	1/2/3 4/5/ 6/7	1/2/ 3/4/ 5/6/ 7	1/2/3 4/5/ 6/7
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1/2/ 3/4/ 5/6/ 7/8	1/2/3 4/5/ 6/7	1/2/ 3/4/ 5/6/ 7	1/2/3 4/5/ 6/7
Comply With and Use Tech. Specs. (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	1/6/7	2/6/ 7	2/4/5 6/7

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 the event numbers that test the competency for each scenario in the set.

Author:

Chief Examiner:

NRC REVIEWER

Daniel L. Smith
[Signature]

Facility: Arkansas Nuclear One, Unit One		Date of Exam: 8/16/2002		Exam Level: <u>RO/SRO</u>		
Item Description	Initials					
	a	b	c			
1. Clean answer sheets copied before grading	<i>je</i>	<i>MB</i>	<i>JSB</i>			
2. Answer key changes and question deletions justified and documented	<i>je</i>	<i>MB</i>	<i>JSB</i>			
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>je</i>	<i>MB</i>	<i>JSB</i>			
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	<i>je</i>	<i>MB</i>	<i>JSB</i>			
	Printed Name / Signature		Date			
a. Grader	<i>John W. Cork</i> <i>John W. Cork</i>		<i>8/16/02</i>			
b. Facility Reviewer(*)	<i>Gerald R. Giles</i> <i>GR Giles</i>		<i>8/16/02</i>			
c. NRC Chief Examiner (*)	<i>Thomas F. Statka</i> <i>Thomas F. Statka</i>		<i>8/28/02</i>			
d. NRC Supervisor (*)	<i>Elmo E. Collins</i>		<i>9/3/02</i>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.						

Facility: Arkansas Nuclear One, Unit One		Date of Exam: 8/16/2002		Exam Level: <u>RO/SRO</u>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<i>ju</i>	<i>AB</i>	<i>VFZ</i>		
2. Answer key changes and question deletions justified and documented	<i>ju</i>	<i>AB</i>	<i>VFZ</i>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>ju</i>	<i>AB</i>	<i>VFZ</i>		
4. Grading for all borderline cases (80% +/- 2%) reviewed in detail	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>		
5. All other failing examinations checked to ensure that grades are justified	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>ju</i>	<i>AB</i>	<i>VFZ</i>		
Printed Name / Signature		Date			
a. Grader	<u>John W. Cork</u> <i>[Signature]</i>	<u>8/16/02</u>			
b. Facility Reviewer(*)	<u>Gerald R. Giles</u> <i>[Signature]</i>	<u>8/16/02</u>			
c. NRC Chief Examiner (*)	<u>Thomas F. Stetka</u> <i>[Signature]</i>	<u>8/28/02</u>			
d. NRC Supervisor (*)	<u>Elmo E Collins</u> <i>[Signature]</i>	<u>9/3/02</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 08/11/2002 To 08/31/2002

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
08/19/2002	Arkansas Nuclear One / 05000313 / 2002302 TAC #: X02224	RO - 5 SROU - 2	Admin		STETKA, THOMAS F.	JOHNSTON, GARY W. STETKA, THOMAS F. WERNER, G E.
08/26/2002	Arkansas Nuclear One / 05000313 / 2002302 TAC #: X02224		Doc		STETKA, THOMAS F.	JOHNSTON, GARY W. STETKA, THOMAS F. WERNER, G E.

Sites: ANO

Orgs: 4620

Exam Author: ALL

Operator Licensing Exam Schedule

From 08/11/2002 To 08/31/2002

Region: 4

Phase Code: 5 Operational

Summary By Date

08/2002	ANO - Arkansas Nuclear One					
	RO - 5	SROI - 0	SROU - 2	LSRO - 0		Total for Arkansas Nuclear One: 7

Operator Licensing Exam Schedule

From 08/11/2002 To 08/31/2002

Region: 4 Phase Code: 5 Operational

Summary By Site

ANO - Arkansas Nuclear One

RO - 5

SROI - 0

SROU - 2

LSRO - 0

Total for Arkansas Nuclear One: 7

Operator Licensing Exam Schedule

From 08/11/2002 To 08/31/2002

Summary By Region

Region 4

RO - 5

SROI - 0

SROU - 2

LSRO - 0

Total for Region 4: 7

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Aug. 16-23, 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 Aug. 16-23, 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)	DATE NOTE
1. <u>STEVE Pullin</u>	<u>Instructor / Exam Writer</u>	<u>[Signature]</u>	<u>3-13-02</u>	<u>[Signature]</u>	<u>8-22-02</u>
2. <u>John Cork</u>	<u>Instructor / Exam Writer</u>	<u>[Signature]</u>	<u>3-12-02</u>	<u>[Signature]</u>	<u>8-22-02</u>
3. <u>Dan Smith</u>	<u>Instructor / Exam Writer</u>	<u>[Signature]</u>	<u>3-11-02</u>	<u>[Signature]</u>	<u>8/27/02</u>
4. <u>Gerald R. Giles</u>	<u>Supervisor, Operations Training</u>	<u>[Signature]</u>	<u>3-20-02</u>	<u>[Signature]</u>	<u>8/22/02</u>
5. <u>Donald R. Sealock</u>	<u>Supervisor, Simulator Support</u>	<u>[Signature]</u>	<u>4/27/02</u>	<u>[Signature]</u>	<u>8-27-02 *</u>
6. <u>Donald E. Walls</u>	<u>Reactor Operator</u>	<u>[Signature]</u>	<u>5-24-02</u>	<u>[Signature]</u>	<u>8-30-02</u>
7. <u>James P. Harcus</u>	<u>Shift Manager</u>	<u>[Signature]</u>	<u>5-24-02</u>	<u>[Signature]</u>	<u>8-31-02</u>
8. <u>Steven W. Avery</u>	<u>Shift Manager / QA</u>	<u>[Signature]</u>	<u>6-4-02</u>	<u>[Signature]</u>	<u>9-3-02</u>
9. <u>William S. Flake</u>	<u>CRS</u>	<u>[Signature]</u>	<u>6-4-02</u>	<u>[Signature]</u>	<u>8-30-02</u>
10. <u>Scott Cope</u>	<u>Simulator Engineer</u>	<u>[Signature]</u>	<u>6-4-02</u>	<u>[Signature]</u>	<u>8/22/02</u>
11. <u>John R. Eichenberger</u>	<u>Assist Ops Mng Exam Review</u>	<u>[Signature]</u>	<u>6-12-02</u>	<u>[Signature]</u>	<u>8/22/02</u>
12. <u>JAMES W. PORTER</u>	<u>CONTROL ROOM SUPERVISOR</u>	<u>[Signature]</u>	<u>7-23-02</u>	<u>[Signature]</u>	<u>8-27-02</u>
13. <u>RICHARD D. LOVELAND</u>	<u>CONTROL ROOM OPERATOR</u>	<u>[Signature]</u>	<u>July 23, 2002</u>	<u>[Signature]</u>	<u>Aug. 28, 2002</u>
14. <u>JOHN P. MORGAN</u>	<u>REACTOR OPERATOR</u>	<u>[Signature]</u>	<u>7/23/02</u>	<u>[Signature]</u>	<u>8/27/02</u>
15. <u>Steven A. Stumbaugh</u>	<u>Shift Manager</u>	<u>[Signature]</u>	<u>7/24/02</u>	<u>[Signature]</u>	<u>8/27/02</u>

NOTES:

* On temporary assignment to IP2.
[Signature] 8-27-02

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1.	DEBRA SCHLUTERMAN	ADMIN SPECIALIST	<i>Debra Schluterman</i>	8-14-02	<i>Debra Schluterman</i>	8-27-02
2.	FRED OPTAGRAFF	SIMULATOR INSTRUCTOR	<i>Fred Optagraff</i>	8/17/02	<i>Fred Optagraff</i>	8-27-02
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