

EXAM ASSIGNMENT TICKLER (Rev 7) **(Written Exam Before the Op Test)**

Chief:	B. Larson (CE)	Facility:	AN1	Date of Written Exam:	6/15/2017
U/I:	Retake Written Exam	Start of Op Test:		End of Op Test:	
Written Exam Developed By: NRC / Facility			Operating Test Developed By: NRC / Facility N/A		
Due Date	Description	Date Complete	Initials	Notes	
12/15/2016	Written Exam & Op-Test Dates Confirmed	11-15-16	BTZ	Assignment Memo	
1/12/2017	NRC Examiners / Facility Contact Assigned	11-15-16	BTZ		
1/12/2017	Facility Contact Briefed on Security & Other Req's	1-24-17	BTZ		
1/12/2017	Corporate Notification Letter sent	3-31-17	BTZ	ES-201 Att-4 produced by CE <i>Phone call 1-24-17</i>	
	Reference material due (if NRC authored) N/A	—	—	ES-201 Att-3	
3/16/2017	Integrated Written exam outlines due	3-1-17	BTZ		
3/23/2017	Outlines reviewed by CE; feedback approved by BC	3-21-17	BTZ	ES-201-2 signed by CE & BC <i>BC signed 6-13-17</i>	
3/23/2017	Feedback on integrated outlines provided to facility	3-21-17	BTZ		
4/13/2017	PROPOSED exam / docs / support reference material due	4-14-17	BTZ		
4/20/2017	Peer review of written exam complete	4-20-17	BTZ	Document review on ES-401-9 <i>RIT-MNK</i>	
4/27/2017	Written Exam and operating test review completed	5-3-17	BTZ	Document review on ES-401-109	
5/18/2017	PROPOSED exam reviewed by CE; fdbk approved by BC	5-3-17	BTZ		
5/18/2017	Feedback on PROPOSED exam provided to facility	5-7-17	BTZ	<i>SRO by 5-4, RO by 5-7</i>	
5/11/2017	Preliminary license applications due (1st Retake)	5-16-17	BTZ	NRC Forms 398/396	
5/18/2017	Preliminary license applications and waivers reviewed	5-22-17	BTZ		
	On-site validation & 10% audit of license applications	—	—		
6/1/2017	Final applications due & List of Applicants prepared	5-26-17	BTZ	ES-201-4 prepared by <i>CE</i>	
6/1/2017	Branch Chief approves FINAL exam (Written & Op-Test)	6-13-17	BTZ	A produces / BC signs Exam Approval Letter (ES-201 Att-5)	
6/8/2017	Facility Licensee management queried regarding the licensee's views on the examination	—	—	<i>Done by responsible supv per 201 C-2-1</i>	
6/8/2017	Final applications approved & waiver letters sent Final Exam due (if significant changes made from draft)	6-13-17	BTZ		
6/8/2017	Proctoring/written exam admin guidelines reviewed w/ facility	6-13-17	BTZ		
	Exam material to exam team-	—	—		
6/15/2017	Administer Operating-Test Written Exam	6-15-17	BTZ		
6/22/2017	Facility post-exam documentation due	6-16-17	BTZ		
6/22/2017	NRC written exam grading completed	7-17-17	BTZ	ES-403-1 to BC	
6/22/2017	Examiner's document op-test results on ES 303's	7-17-17	BTZ		
6/29/2017	Chief Examiner review of written exam & op-test completed	7-17-17	BTZ	Signed ES 303's to BC ✓	
7/6/2017	Branch Chief review of exam results completed	7-19-17	BTZ		
7/13/2017	Waivers/deferrals reviewed for impact on licensing decision	7-19-17	BTZ		
7/13/2017	License/Denial letters mailed; Facility notified of results	7-19-17	BTZ		
7/13/2017	RPS/IP number of examinees updated	7-19-17	BTZ	print Report-21	
8/30/2017	Examination Report Issued	8-30-17	BTZ	produced by CE	
9/6/2017	SUNSI checklist complete and exam docs to ADAMS	2-14-18	BTZ	SUNSI checklist to LA	
9/13/2017	Ref Mat'l Returned after Final Resolution of Appeals	N/A	—		

ANO UNIT ONE - RE-TAKE EXAM

ES-201

Examination Outline Quality Checklist

Form ES-201-2

Facility: Arkansas Nuclear One - Unit One		Date of Examination: June 7, 2017		
Item	Task Description	Initials		
		D/a	D/b*	c/#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401 or ES-401N.	[initials]	[initials]	[initials]
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 or ES-401N and whether all K/A categories are appropriately sampled.	[initials]	[initials]	[initials]
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	[initials]	[initials]	[initials]
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	[initials]	[initials]	[initials]
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	N/A	N/A	N/A
	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, and ensure that 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 that scenarios will not be repeated on subsequent days.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
3. W A L K T H R O U G H	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	N/A	N/A	N/A
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form (2) at least one task is new or significantly modified (3) no more than one task is repeated from the last two NRC licensing examinations	N/A	N/A	N/A
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	N/A	N/A	N/A
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 sections.	[initials]	[initials]	[initials]
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	[initials]	[initials]	[initials]
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	[initials]	[initials]	[initials]
	d. Check for duplication and overlap among exam sections.	[initials]	[initials]	[initials]
	e. Check the entire exam for balance of coverage.	[initials]	[initials]	[initials]
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	[initials]	[initials]	[initials]
<div style="display: flex; justify-content: space-between;"> <div> <p>a. Author <u>John W. Cork / [Signature]</u></p> <p>b. Facility Reviewer (*) <u>Randal K. Martin / [Signature]</u></p> <p>c. NRC Chief Examiner (#) <u>Brian T. [Signature]</u></p> <p>d. NRC Supervisor <u>Vincent Galt / [Signature]</u></p> </div> <div style="text-align: right;"> <p>Date <u>3/1/17</u></p> <p><u>3-1-17</u></p> <p><u>3-21-2017</u></p> <p><u>6/13/17</u></p> </div> </div>				
<p>Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines.</p>				

① ANO Note: This is a written only exam for Unit 1 Re-take candidates.
The outlines were supplied by the NRC regional office.

ANO UNIT ONE

ES-401

Written Examination Quality Checklist

Form ES-401-6

Facility: ANO Unit One		Date of Exam: 6/7/17		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description				Initial		
				a	b*	c*#
1. Questions and answers are technically accurate and applicable to the facility.				<i>jc</i>	RKun	BTL
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.				<i>jc</i>	RKun	BTL
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401				<i>jc</i>	RKun	BTL
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).				<i>jc</i>	RKun	BTL
5. Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate ___ The audit exam was systematically and randomly developed; or ___ the audit exam was completed before the license exam was started; or ___ the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or ___ other (explain)				<i>jc</i>	RKun	BTL
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right		Bank	Modified	New		
		44/16	12/12	44/72	<i>jc</i>	RKun BTL
7. Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.		Memory	C/A			
		40 43/38 BR	57/64 60 BTL		<i>jc</i>	RKun BTL
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				<i>jc</i>	RKun	BR
9. Question content conforms to 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>jc</i>	RKun	BTL
10. Question psychometric quality and format meet the guidelines in ES Appendix B.				<i>jc</i>	RKun	BTL
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.				<i>jc</i>	RKun	BTL
Printed Name / Signature					Date	
a. Author	John W. Cork / <i>John W. Cork</i>				5/24/17	
b. Facility Reviewer (*)	Randal K. Martin / <i>RKun</i>				5-24-17	
c. NRC Chief Examiner (#)	BRIAN T. LARSON / <i>Brian T. Larson</i>				6-7-2017	
d. NRC Regional Supervisor	Vincent Gaddy / <i>Vincent Gaddy</i>				6/13/17	
Note: * The facility reviewer's initials or signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initials items in Column "c"; chief examiner concurrence required.						

Facility: ANO-1		Date of Exam: 6/15/17		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	ju	PKM	BTL		
2. Answer key changes and question deletions justified and documented	ju	PKM	BTL		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	ju	PKM	BTL		
4. Grading for all borderline cases (80 \pm 2% overall and 70 or 80, as applicable, \pm 4% on the SRO-only) reviewed in detail	ju	PKM	BTL		
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	ju	PKM	BTL		
Printed Name/Signature		Date			
a. Grader	<u>John W. Cook / [Signature]</u>		<u>6-15-17</u>		
b. Facility Reviewer(*)	<u>Randal Martin [Signature]</u>		<u>6-15-17</u>		
c. NRC Chief Examiner (*)	<u>BRIAN T. LARSON / [Signature]</u>		<u>7/17/2017</u>		
d. NRC Supervisor (*)	* FORM WITH NRC Supt signature <u>could not be located.</u>				
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

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Report 21

Region: 4

Phase Code: 5

Operator Licensing Exam Schedule

From 01/01/2017 To 06/10/2017

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
01/01/2017	Arkansas Nuclear One / 05000313 / 2017302 TAC #: X02629		Prep	NFF	LARSON, BRIAN T.	LARSON, BRIAN T.
06/06/2017	Arkansas Nuclear One / 05000313 / 2017302 TAC #: X02629	RO - 2 SROI - 1	Admin	NFF	LARSON, BRIAN T.	LARSON, BRIAN T.
06/08/2017	Arkansas Nuclear One / 05000313 / 2017302 TAC #: X02629		Doc	NFF	LARSON, BRIAN T.	LARSON, BRIAN T.

Sites: ANO

Orgs: 4620

Exam Author: ALL

00/00/0000 00:00:00

Report 21

Region: 4

Phase Code: 5

Operator Licensing Exam Schedule

From 01/01/2017 To 06/10/2017

Summary By Date

06/2017 ANO - Arkansas Nuclear One
RO - 2 SROI - 1
06/2017
RO - 2 SROI - 1
01/2017 ANO - Arkansas Nuclear One
RO - 0 SROI - 0

SROU - 0 LSRO - 0 Total for Arkansas Nuclear One: 3
SROU - 0 LSRO - 0 Total for 06/2017: 3
SROU - 0 LSRO - 0 Total for Arkansas Nuclear One: 0

Operator Licensing Exam Schedule

From 01/01/2017 To 06/10/2017

Summary By Site

ANO - Arkansas Nuclear One

RO - 2

SROI - 1

SROU - 0

LSRO - 0

Total for Arkansas Nuclear One: 3

Operator Licensing Exam Schedule

From 01/01/2017 To 06/10/2017

Summary By Region

Region 4

RO - 2

SROI - 1

SROU - 0

LSRO - 0

Total for Region 4: 3

ANO UNIT ONE

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/5/17 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 (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6-5-17. 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
John W. Clark	Instructor / Exam Developer	[Signature]	11/25/17	[Signature]	6-15-17	
Steve Gorchow	Exam Oversight	[Signature]	2/15/17	Steve Gorchow per telecon	6-15-17	6-15-17 Pkm
Randal Martin	Ops Test / Facility Rep.	[Signature]	2-27-17	[Signature]	6-15-17	
Larry Bruner	Exam Developer	[Signature]	8/27/17	[Signature]	6/15/17	
Josh Jones	SKO / Ops Reviewer	[Signature]	3/17/17	Josh Jones per telecon	6-15-17	
Reece Higgins	RO / TEST VALIDATION	[Signature]	3-27-17	Reece Higgins per telecon	6-15-17	
ADAM JONES	RO / TEST VALIDATION	[Signature]	3-27-17	Adam Jones per email	6-16-17	Pkm
Danny Jacobs	SKO / Test Validation	[Signature]	3-27-17	Danny Jacobs per telecon	6-15-17	Pkm
Paul Gregg	SKO / Test Validation	[Signature]	3-27-17	Paul Gregg per telecon	6-15-17	Pkm
Robert Passey	Exam Review	[Signature]	3/27/17	[Signature]	6/15/17	
Chet M. Pickley	Instructor / Database Admin	[Signature]	4-3-17	Chet M. Pickley	6-15-17	
John Rodgers	Peer reviewer from Pilotage	[Signature]	4-6-17	John Rodgers per telecon	6-16-17	Pkm
Michael DeLem	Emergency Test Exam Head	[Signature]	4-6-17	[Signature]	6-15-17	
Mike Roten	RO / Test Validation	[Signature]	4-7-17	Mike Roten per telecon	6-15-17	Pkm
Michael DeLem	RO / Test Validation	[Signature]	4-7-17	Michael DeLem per email	6-16-17	Pkm

NOTES:
1. #13 (Mick Jones) never received exam material, removed from agreement. per 4-7-17
* per telecon

ANO UNIT ONE

ES-201 Examination Security Agreement Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/5/17 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 (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6-15-17. 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. Jonathan Gray	SRO / Test Validation	<i>[Signature]</i>	4/7/17	Jonathan Gray per telegram	6-12-17	Per
2. Rick Murray	Fleet / Co Lead / Exam Review	<i>[Signature]</i>	4-10-17	Rick Murray per email	6-15-17	Per
3. Daniel Reed	Sim Instructor / Validation	<i>[Signature]</i>	4-10-17	Daniel Reed	10-15-17	
4. Kenyon McNeall	SRO / Test Validation	<i>[Signature]</i>	4-13-17	Kenyon McNeall per telegram	6-15-17	Per
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NOTES: