

EXAM ASSIGNMENT TICKLER

Chief:	Clayton	Facility:	ANO	Date of Written Exam:	4/8/2020
U/I:	N/A	Start of Op Test:	6/1/2020	End of Op Test:	6/4/2020
Written Exam Developed By: NRC / Facility			Operating Test Developed By: NRC / Facility		
Due Date	Description	Date Complete	Initials	Notes	
8/7/2019	Examination administration date confirmed	7/24/2019	K	For NRC prepared exams, arrangements made for the facility to submit reference materials	
9/11/2019	NRC examiners and facility contact assigned	9/4/2019	K		
9/11/2019	Facility contact briefed on security and other requirements	9/4/2019	K		
9/11/2019	Reference material due for NRC prepared exams	9/4/2019	K	ES-201 Att-3	
9/11/2019	Corporate Notification Letter sent	9/6/2019	K	ES-201 Att-4 produced by CE	
9/25/2019	NRC developed written examination outline sent to facility contact	9/16/2019	K	ES-401-1/2 and ES-401-3	
11/6/2019	Operating test outline(s) and other checklists due	10/31/2019	K	ES-201-2, 201-3, 301-1, 301-2, 301-5, D-1	
11/20/2019	Operating test outline(s) reviewed by NRC and feedback provided to facility licensee	11/13/2019	K	ES-201-2 signed by CE & BC	
1/22/2020	Proposed exams, outlines, supporting documentation, and reference materials due.	1/17/2020	K	Exams prepared by the NRC are approved by BC and forwarded for facility licensee review	
1/29/2020	Peer review of written exam complete	1/27/2020	K	Document review on ES-401-9	
2/19/2020	Written exam and operating test reviews completed	2/10/2020	K	Document review on ES-401-9	
3/4/2020	Feedback approved by Branch Chief	2/11/2020	K	Licensee in R4 office for comment review 2/11-2/12	
3/4/2020	Examination review results discussed between NRC and facility licensee	2/11/2020	K		
3/11/2020	Preliminary license applications & waiver/excusal requests due	3/2/2020	K	NRC Forms 398/396	
3/2/2020	On-site validation & 10% audit of license applications	3/2/2020	K		
3/18/2020	Preliminary license applications and waivers reviewed	3/9/2020	K		
3/25/2020	Final license applications & waiver/excusal requests due	3/16/2020	K	ES-201-4 prepared by LA	
4/1/2020	Written exams and operating tests approved by Branch Chief	3/19/2020	K		
4/1/2020	Request facility licensee management feedback on the exam	3/19/2020	N/A	BC performs this task	
4/1/2020	Final applications reviewed and audited; exam approval and waiver/excusal letters sent	3/19/2020	K	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
4/1/2020	Proctoring/written exam administration guidelines reviewed with facility licensee	3/19/2020	K		
4/1/2020	Approved scenarios and JPMs distributed to examiners	3/19/2020	K		
6/1/2020	Administer Operating Test	6/1/2020	K	Op test moved due to COVID-19	
6/11/2020	Examiner's document op test results on ES 303's	6/11/2020	K		
6/24/2020	Post exam comments and graded exams received	6/11/2020	K	ES-403-1 to BC	
7/2/2020	Post exam written comments reviewed and incorporated and NRC grading completed	6/16/2020	K		
7/2/2020	Post exam operating test comments reviewed and ES-303-1 updated	6/16/2020	K		
7/9/2020	Chief examiner review of operating test and/or written exam grading completed	6/17/2020	K	Signed ES 303's to BC	
7/16/2020	Branch Chief review of exam results completed	6/17/2020	K		
7/23/2020	Waivers/deferrals reviewed for impact on licensing decision	6/19/2020	K		
7/23/2020	License/Proposed Denial letters mailed; Facility notified of results	6/19/2020	K		
7/23/2020	RPS/IP number of examinees updated	6/11/2020	K	print Report-21	
8/13/2020	Final Denial Letters mailed (if no request for informal review)	N/A	K	21 days after proposed denial letters mailed.	
8/20/2020	Examination Report Issued	7/30/3030	K	produced by CE	
8/27/2020	Ref Mat'l Returned after Final Resolution of Appeals	7/30/2020	K		
9/24/2020	Exam docs to ADAMS	8/18/2020	K		
Replaces NUREG-1021, Revision 11, Forms ES-201-1 and ES-501-1					

Facility: ANO-Unit 1		Date of Examination: 3/30/2020		
Item	Task Description	Initials		
		a	b*	c**
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	KS	Rkm	K
	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.	KS	Rkm	K
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	KS	Rkm	K
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	KS	Rkm	K
2. SIMULATOR	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.	P	Rkm	K
	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.	P	Rkm	K
	c. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D and in Section D.5, "Specific Instructions for the 'Simulator Operating Test,'" of ES-301 (including overlap).	P	Rkm	K
3. WALKTHROUGH	a. Verify that the systems walkthrough outline meets the criteria specified on Form ES-301-2: (1) The outline(s) contains 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 applicant's 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 radiologically controlled area tasks meets the criteria on the form.	P	Rkm	K
	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.	P	Rkm	K
	c. Determine whether there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	P	Rkm	K
4. GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	P	Rkm	K
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	KS	Rkm	K
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	KS	Rkm	K
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	P	Rkm	K
	e. Check the entire exam for balance of coverage.	P	Rkm	K
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	P	Rkm	K
a. Author <u>Robert Possage</u> a. Author <u>Kenneth Smith</u> b. Facility Reviewer (*) <u>Randal Martin</u> c. NRC Chief Examiner (#) <u>Kelly Clayton</u> d. NRC Supervisor <u>Greg Werner</u>		Printed Name/Signature Date <u>10/30/19</u> <u>10/30/19</u> <u>10/30/19</u> <u>11/13/19</u> <u>11/25/19</u>		

* Not applicable for NRC-prepared examination outlines.
 # The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.

① NRC developed the written outlines.

Facility: ANO Unit 1		Date of Examination: 3/30/2020		Operating Test Number: 1	
1. General Criteria			Initials		
			a	b*	c*
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	P	Rgn	K	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	P	Rgn	K	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	P	Rgn	K	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	P	Rgn	K	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	P	Rgn	K	
2. Walkthrough 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 operationally important 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 	P	Rgn	K	
b.	Ensure that any changes from the previously approved systems and administrative walkthrough outlines (Forms ES-301-1 and ES-301-2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last two NRC examinations) specified on those forms and Form ES-201-2.	P	Rgn	K	
3. Simulator Criteria			--	--	--
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4, and a copy is attached.			P	Rgn	K
a.	Author	Robert Possage	Printed Name/Signature		Date
b.	Facility Reviewer (*)	Randal K Martin	RKM		3/10/2020
c.	NRC Chief Examiner (#)	Kelly Clayton	Kelly Clayton		3/17/2020
d.	NRC Supervisor	Gregory E. Werner	Gregory E. Werner		03/18/2020
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># The independent NRC reviewer initials items in column "c"; the chief examiner concurrence is required.</p>					

Facility: ANO Unit 1		Date of Exam: 3/30/2020		Scenario Numbers: 1 / 2 / 3 / 4		Operating Test No.: 1	
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.	P	R	K			
2.	The scenarios consist mostly of related events.	P	R	K			
3.	Each event description consists of the following: <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) or conditions 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) 	P	R	K			
4.	The events are valid with regard to physics and thermodynamics.	P	R	K			
5.	Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	P	R	K			
6.	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.	P	R	K			
7.	The simulator modeling is not altered.	P	R	K			
8.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	P	R	K			
9.	Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.	P	R	K			
10.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	P	R	K			
11.	The scenario set provides the opportunity for each applicant to be evaluated in each of the applicable rating factors. (Competency rating factors as described on Forms ES-303-1 and ES-303-3.)	P	R	K			
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).	P	R	K			
13.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	P	R	K			
14.	The level of difficulty is appropriate to support licensing decisions for each crew position.	P	R	K			
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes		--	--	--	
1.	Malfunctions after EOP entry (1-2)	2 / 2 / 2 / 2		P	R	K	
2.	Abnormal events (2-4)	3 / 3 / 4 / 2		P	R	K	
3.	Major transients (1-2)	1 / 1 / 1 / 1		P	R	K	
4.	EOPs entered/requiring substantive actions (1-2)	1 / 1 / 2 / 2		P	R	K	
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set)	1 / 1 / 1 / 1		P	R	K	
6.	Preidentified critical tasks (≥ 2)	2 / 2 / 3 / 2		P	R	K	
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># An independent NRC reviewer initials items in column "c"; chief examiner concurrence is required.</p>							

* 3rd malfunction has no actions (Scenario 4) \Rightarrow doesn't count. It is necessary for CT.

Facility: ANO Unit 1				Date of Exam: 3/30/2020				Operating Test No.: 1										
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M(*)			
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U	
U1	RX													0	1	1	0	
	NOR	1											1		2	1	1	1
	I/C	2,3,4 7											2,3,4 5,6,7 9,10		12	4	4	2
	MAJ	5											8		2	2	2	1
	TS	3,4											2,3,4		5	0	2	2
U2	RX														0	1	1	0
	NOR				1								1		2	1	1	1
	I/C				2,3,4 5,6,7 9								2,3,4 5,6,7 9,10		15	4	4	2
	MAJ				8								8		2	2	2	1
	TS				2,5								2,3,4		5	0	2	2
U3	RX														0	1	1	0
	NOR							1					1		2	1	1	1
	I/C							2,3,4 5					2,3,4 5,6,7 9,10		12	4	4	2
	MAJ							6					8		2	2	2	1
	TS							1,2,3					2,3,4		6	0	2	2
I1	RX														0	1	1	0
	NOR	1				1		1							3	1	1	1
	I/C	2,3,4 7				3,4 6,9 10		2,3,4 5							13	4	4	2
	MAJ	5				8		6							3	2	2	1
	TS	3,4						1,2,3							5	0	2	2

Facility: ANO Unit 1				Date of Exam: 3/30/2020				Operating Test No.: 1										
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M(*)			
		1			2			3			4							
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
																R	I	U
I2	RX														0	1	1	0
	NOR				1						1				2	1	1	1
	I/C				2,3,4 5,6,7 9				3,4,5		2,3,4 5,6,7 9,10				18	4	4	2
	MAJ				8				6		8				3	2	2	1
	TS				2,5						2,3,4				5	0	2	2
I3	RX														0	1	1	0
	NOR	1													1	1	1	1
	I/C	2,3,4 7					3,4,6, 7,9		3,4,5						12	4	4	2
	MAJ	5					8		6						3	2	2	1
	TS	3,4													2	0	2	2
I4	RX														0	1	1	0
	NOR				1			1							2	1	1	1
	I/C		2,3,4 6,7		2,3,4 5,6,7 10			2,3,4 ,5							16	4	4	2
	MAJ		5		8			6							3	2	2	1
	TS				2,5			1,2,3							5	0	2	2
R9	RX														0	1	1	0
	NOR			1		1				1					3	1	1	1
	I/C			2,4, 7		3,4 6,9 10				2,3,4 7					12	4	4	2
	MAJ			5		8				6					3	2	2	1
	TS														0	0	2	2

Facility: ANO Unit 1				Date of Exam: 3/30/2020				Operating Test No.: 1										
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M(*)			
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
																R	I	U
R1	RX													0	1	1	0	
	NOR												1	1	1	1		
	I/C		2,3,4 6,7										3,6 10	8	4	4	2	
	MAJ		5										8	2	2	2	1	
	TS													0	0	2	2	
R2	RX													0	1	1	0	
	NOR			1										1	1	1	1	
	I/C			2,4, 7									3,4,5 7,9, 10	9	4	4	2	
	MAJ			5									8	2	2	2	1	
	TS													0	0	2	2	
R3	RX													0	1	1	0	
	NOR					1							1	2	1	1	1	
	I/C					3,4, 6,9, 10							3,6 10	8	4	4	2	
	MAJ					8							8	2	2	2	1	
	TS													0	0	2	2	
R4	RX													0	1	1	0	
	NOR													0	1	1	1	
	I/C					3,4,6 7,9							3,4,5 7,9, 10	11	4	4	2	
	MAJ					8							8	2	2	2	1	
	TS													0	0	2	2	

Facility: ANO Unit 1				Date of Exam: 3/30/2020				Operating Test No.: 1										
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M(*)			
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
																R	I	U
R5	RX													0	1	1	0	
	NOR												1	1	1	1		
	I/C								3,4,5				3,6 10	6	4	4		
	MAJ								6				8	2	2	2		
	TS													0	0	2		
R6	RX													0	1	1		
	NOR									1				1	1	1		
	I/C									2,3,4 7		3,4,5 7,9, 10		10	4	4		
	MAJ									6		8		2	2	2		
	TS													0	0	2		
R7	RX													0	1	1		
	NOR												1	1	1	1		
	I/C		2,3,4 6,7				3,4,6 7,9						3,6 10	13	4	4		
	MAJ		5				8						8	3	2	2		
	TS													0	0	2		
R8	RX													0	1	1		
	NOR			1						1				2	1	1		
	I/C			2,4, 7						2,3,4 7		3,4,5 7,9, 10		13	4	4		
	MAJ			5						6		8		3	2	2		
	TS													0	0	2		

Instructions:

1. Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the at-the-controls (ATC) and balance-of-plant (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
4. For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

Facility: ANO Unit 1		Date of Examination: 3/30/2020				Operating Test No.: 1			
Competencies	APPLICANTS								
	R1		R2		R3		R4		
	SCENARIO		SCENARIO		SCENARIO		SCENARIO		
	1	2	1	2	1	4	1	4	
Interpret/Diagnose Events and Conditions	1,3,6,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7	1,2,3,5,6,7	1,3,6,8	1,3,4,5,6,7,8,9	1,2,3,4,5,6,7	1,2,3,4,6,7,8,10	
Comply with and Use Procedures (1)	1,3,6,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7	1,2,3,5,6,7	1,3,6,8	1,3,4,5,6,7,8,9	1,2,3,4,5,6,7	1,2,3,4,6,7,8,10	
Operate Control Boards (2)	1,3,6,8	2,3,4,5,6,7	2,3,4,5,6,7	1,3,6,8	1,3,6,8	1,3,4,6,7,8	2,3,4,5,6,7	1,2,5,6,7,8,9	
Communicate and Interact	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10	
Demonstrate Supervisory Ability (3)									
Comply with and Use TS (3)									
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.									

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: ANO Unit 1		Date of Examination: 3/30/2020		Operating Test No.: 1			
Competencies	APPLICANTS						
	R5		R6		R7 R8		
	SCENARIO		SCENARIO		SCENARIO		
	2	4	2	4	1	2	4
Interpret/Diagnose Events and Conditions	1,2,3,5,6,7	1,3,4,5,6,7,8,9	1,2,3,4,5,6,7	1,2,3,4,6,7,8,10	1,3,6,8	1,2,3,5,6,7	1,2,3,4,5,6,7
Comply with and Use Procedures (1)	1,2,3,5,6,7	1,3,4,5,6,7,8,9	1,2,3,4,5,6,7	1,2,3,4,6,7,8,10	1,3,6,8	1,2,3,5,6,7	1,2,3,4,5,6,7
Operate Control Boards (2)	1,3,6,8	1,3,4,6,7,8	2,3,4,5,6,7	1,2,5,6,7,8,9	1,3,6,8	1,3,6,8	2,3,4,5,6,7
Communicate and Interact	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8
Demonstrate Supervisory Ability (3)							
Comply with and Use TS (3)							
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.							

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: ANO Unit 1		Date of Examination: 3/30/2020		Operating Test No.: 1		
Competencies	APPLICANTS					
	I1 / I3			I2 / I4		
	SCENARIO			SCENARIO		
	1	2	4	1	2	4
	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8	1,2,3,4,6,7,8,10
Interpret/Diagnose Events and Conditions	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8	1,2,3,4,6,7,8,10
Comply with and Use Procedures (1)	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8	1,2,3,4,6,7,8,10
Operate Control Boards (2)		2,3,4,5,6,7		2,3,4,5,6,7		1,2,5,6,7,8,9
Communicate and Interact	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10
Demonstrate Supervisory Ability (3)	1,2,3,4,5,6,7,8		1,2,3,4,5,6,7,8,9,10		1,2,3,4,5,6,7,8	
Comply with and Use TS (3)	2,3		4,5		2,3	
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.						

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: ANO Unit 1		Date of Examination: 3/30/2020		Operating Test No.: 1		
Competencies	APPLICANTS					
	U1		U2			
	SCENARIO		SCENARIO		SCENARIO	
	1	2	2	4		
Interpret/Diagnose Events and Conditions	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10		
Comply with and Use Procedures (1)	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10		
Operate Control Boards (2)						
Communicate and Interact	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10		
Demonstrate Supervisory Ability (3)	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9,10		
Comply with and Use TS (3)	2,3	2,3	2,3	4,5		
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.						

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: ANO Unit 1		Date of Exam: 4/8/2020		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.				KS	Rkm	K	
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available. c. Correct answer explanation and distractor analysis provided (ES-401, D.2.g)				KS	Rkm	K	
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401				KS	Rkm	K	
4. The sampling process was random and systematic. (If more than four RO or two SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).				KS	Rkm	K	
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).				KS	Rkm	K	
6. Bank use meets limits (no more than 75% from the bank, at least 10% new, and the rest new or modified); enter the actual RO/SRO-only question distribution(s) at right.		Bank 30 32/4	Modified 6/21	New 39/20 37/19	KS	Rkm	K
7. Between 38 and 45 questions of the questions on the RO exam and at least 13 questions of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level (see ES-401, D.2.c); enter the actual RO/SRO-only question distribution(s) at right.		Memory 37/7	C/A 38/18		KS	Rkm	K
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				KS	Rkm	K	
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.				KS	Rkm	K	
10. Question psychometric quality and format meet the guidelines in Appendix B.				KS	Rkm	K	
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.				KS	Rkm	K	
Printed Name/Signature					Date		
a. Author	Kenny Smith / <i>[Signature]</i>				3-9-20		
b. Facility Reviewer (*)	Randal K. Martin <i>[Signature]</i>				3-9-20		
c. NRC Chief Examiner (#)	Kelly Clayton <i>[Signature]</i>				3/17/2020		
d. NRC Regional Supervisor	Gregory E. Werner <i>[Signature]</i>				03/18/2020		
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 is required.							

Facility: <u>ANo 1</u>		Date of Exam: <u>4-2-20</u>		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	KS	RKm	K		
2. Proposed answer key changes and question deletions justified and documented (facility reviewer initials not required (N/R) if NO post-examination comments are submitted)	N/A	N/A	K		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	KS	RKm	K		
4. Grading for all borderline cases (80% \pm 2% overall and 70% or 80%, as applicable, \pm 4% on the SRO-only exam) reviewed in detail	KS	RKm	K		
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 one-half or more of the applicants	KS	RKm	K		

Printed Name/Signature	Date
a. Grader <u>Kenny Smith / [Signature]</u>	<u>6-11-20</u>
b. Facility Reviewer(*) <u>Randal Martin / [Signature]</u>	<u>6-11-20</u>
c. NRC Chief Examiner (*) <u>Kelly Clayton / [Signature]</u>	<u>6-16-20</u>
d. NRC Supervisor (*) <u>Gregory E. Werner / [Signature]</u>	<u>06/17/2020</u>

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

Start Date	3/27/2020		End Date	6/12/2020	
Region	4		Exam Author	NFF	
Docket Type	P - Power		Phase	5 - Operational	
Filter by Organizaton and Resource	No Filter		Sites	Arkansas Nuclear One	
Include Inactive Organizations?	No		Organization Region	N/A	
Organization	N/A		Include Inactive Employees?	Exclude	
Resources	N/A		Include Comments?	No	
Activity Code	EXAD, NEXAD, NOV				

1 of 4

Find | Next



IP 21 Operator Licensing Exam Schedule

From 03/27/2020 to 06/12/2020

Phase Code: 5 - Operational

Region: 4

Exam Week	Site / Docket # / Insp Rpt #	# Candidates				Type	Exam Author	Chief Examiner	Examiners Assigned
		RO	LSRO	SROI	SROU				
5/31/2020	Arkansas Nuclear One / 05000313 / 2020301 CAC #: 000500	8	0	4	2	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	NFF	Clayton, Kelly	Clayton, Kelly Doyle, Matthew Hernandez, Nicholas Kirkland, John Osterholtz, Clyde

Sites: ANO

Orgs: ALL

Exam Author: NFF

Activity Codes: EXAD, NEXAD, NOV






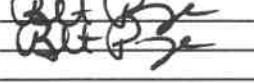
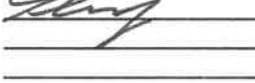
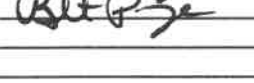
1. Pre-Examination

AWO Unit 1

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 6-1-2020 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's 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's 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 6/1/20. 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.	Brian Spears	Instructor, Ops (Nuc) CR/Sequester		6/2/20		6/5/20	
2.	Blake Slater	Instructor, OPS/Sequester		6/2/20		6/5/20	
3.	STEPHEN Wallace	Instructor, OPS/Sequester		6/2/20		6/5/20	①
4.	Mike Pope	SP/Sequester		6/4/20		6/9/20	①
5.							
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13.							
14.							
15.							

NOTES: ① Acknowledged compliance w/ exam security via email.

1. Pre-Examination

AND unit 1

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 6-1-2020 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's 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's 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 6/1/20. 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.	Kenyon McNeill	OPS MGR	<i>Kenyon McNeill</i>	6/2/20	<i>Kenyon McNeill</i>	6/9/20	
2.							
3.							
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NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 3/30/20 – 4/8/20 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's 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's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

② 6/1/20

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 ~~3/30/20 – 4/8/20~~ ② 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. Todd Erskin	Exam Validation	<i>per Telecom Rlt</i>	1/10/20	<i>Todd Erskin</i>	6/5/20	
2. Mike Strobel	Exam Validation	<i>Mike Strobel</i>	1-14-20	<i>Rlt</i>	6/8/20	①
3. Adrian Lasater	Exam Validation	<i>Adrian Lasater</i>	3-3-20	<i>Rlt</i>	6/8/20	①
4. Stephen Fennester	Exam Validation	<i>Stephen Fennester</i>	3-3-20	<i>Rlt</i>	6/8/20	①
5. ANDREW NIXE	Exam Validation	<i>Andrew Nixe</i>	3-3-20	<i>Rlt</i>	6/8/20	①
6. John Brown	Sim Support	<i>John Brown</i>	5-24-20	<i>John Brown</i>	6/8/20	
7. Jamie Brilman	Sequester	<i>Jamie Brilman</i>	5/28/20	<i>Jamie Brilman</i>	6/5/20	
8. Billy Daniel	Sequester	<i>Billy Daniel</i>	5/28/20	<i>Billy Daniel</i>	6/5/20	
9. Micah Gipe	Sequester	<i>Micah Gipe</i>	5-28-20	<i>Rlt</i>	6/5/20	①
10. Jackie Haynes	Exam Support	<i>Jackie Haynes</i>	5-28-20	<i>Jackie Haynes</i>	6/9/20	
11. Mark Gohman	OPS Rep	<i>Mark Gohman</i>	6-28-20	<i>Mark Gohman</i>	6/9/20	
12. Joe Basman	Sequester	<i>Joe Basman</i>	5-29-20	<i>Joe Basman</i>	6/8/20	
13. Bryan Waxe	Sequester	<i>Bryan Waxe</i>	5-29-20	<i>Bryan Waxe</i>	6/8/20	
14. Corey Walker	Suprogate	<i>Corey Walker</i>	6-1-2020	<i>Corey Walker</i>	6-5-20	
15. Josh Jones	Ops Management	<i>Josh Jones</i>	6/1/20	<i>Josh Jones</i>	6/10/20	
NOTES:	Smart	<i>Roy H. Fenn</i>	6/1/2020	<i>Roy H. Fenn</i>	6/8/2020	



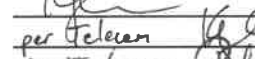





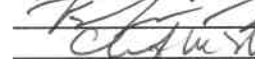







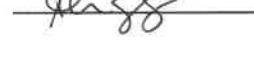
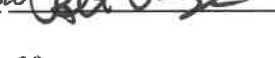












① Acknowledged compliance w/ exam security via email.

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 3/30/20 – 4/8/20 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's 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's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination ③ 6/1/20

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 3/30/20 – 4/8/20 ③ 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. Robert Passage	NRC Exam Development Lead		7/11/19		6/5/20	
2. KENNY SMITH	EXAM AUTHOR		7/24/19		6-5-20	
3. John W. Cork	Exam Advisor		8/22/19		6/8/20	②
4. Rick Murray	Exam Reviewer		8/29/19		6/8/20	②
5. CAROL ALEXANDER	SIM SUPPORT		9/4/19		6/8/20	②
6. Randal Martin	Ops Training / Facility Rev.		9-13-19		6-5-20	
7. MIKE MARTIN	LINE MGMT SPONSOR		9-26-19		6/8/20	②
8. Kellan Ashamber	OPS TRNG CUPV / Facility Rev.		10-21-19		6-5-20	
9. C.F. McNeely	U2 OPS TRNG / Instr		10-22-19		6-10-20	
10. Brandon Goetsch	Exam Validation		12-3-19		6/8/20	②
11. Buck Dickson	EXAM VALIDATION		12-3-19		6/8/20	②
12. KERRY BROCKMAN	EXAM VALIDATION		12-3-19		6/8/20	②
13. Matt Trealy	Ops Reviewer		12-12-19		6/10/20	②
14. Nathan McElhanev	Exam Validation		1-7-20		6/8/20	②
15. SHANNON MOSBY	Exam Validation		1-8-2020		6/9/20	②

NOTES:

② Acknowledged compliance w/ exam security via email

① 1-7-20
Wrong year
written in P