


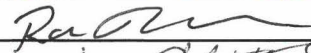


## EXAM ASSIGNMENT TICKLER

<b>Chief:</b>	<b>Kirkland</b>	<b>Facility:</b>	<b>RBS</b>	<b>Date of Written Exam:</b>	<b>11/26/2019</b>
<b>U/I:</b>		<b>Start of Op Test:</b>	<b>11/18/2019</b>	<b>End of Op Test:</b>	<b>11/22/2019</b>
<b>Written Exam Developed By: NRC / Facility</b>			<b>Operating Test Developed By: NRC / Facility</b>		
<b>Due Date</b>	<b>Description</b>	<b>Date Complete</b>	<b>Initials</b>	<b>Notes</b>	
3/18/2019	Examination administration date confirmed	11/28/18	<i>JK</i>	For NRC prepared exams, arrangements made for the facility to submit reference materials	
4/22/2019	NRC examiners and facility contact assigned	11/13/18	<i>JK</i>		
4/22/2019	Facility contact briefed on security and other requirements	11/28/18	<i>JK</i>		
4/22/2019	Reference material due for NRC prepared exams	N/A	N/A	ES-201 Att-3	
4/22/2019	Corporate Notification Letter sent	12/6/18	<i>JK</i>	ES-201 Att-4 produced by CE	
5/6/2019	NRC developed written examination outline sent to facility contact	11/28/18	<i>JK</i>	ES-401-1/2 and ES-401-3	
6/17/2019	Operating test outline(s) and other checklists due	3/5/19	<i>JK</i>	ES-201-2, 201-3, 301-1, 301-2, 301-5, D-1	
7/1/2019	Operating test outline(s) reviewed by NRC and feedback provided to facility licensee	3/12/19	<i>JK</i>	ES-201-2 signed by CE & BC	
9/2/2019	Proposed exams, outlines, supporting documentation, and reference materials due.	4/10/19	<i>JK</i>	Exams prepared by the NRC are approved by BC and forwarded for facility licensee review	
9/9/2019	Peer review of written exam complete	N/A	N/A	Document review on ES-401-9	
9/30/2019	Written exam and operating test reviews completed	5/24/19	<i>JK</i>	Document review on ES-401-9	
10/14/2019	Feedback approved by Branch Chief	6/11/19	<i>JK</i>		
10/14/2019	Examination review results discussed between NRC and facility licensee	6/19/19	<i>JK</i>		
10/21/2019	Preliminary license applications & waiver/excusal requests due	10/21/19	<i>JK</i>	NRC Forms 398/396	
10/21/2019	On-site validation & 10% audit of license applications	10/21/19	<i>JK</i>		
10/28/2019	Preliminary license applications and waivers reviewed	10/24/19	<i>JK</i>		
11/4/2019	Final license applications & waiver/excusal requests due	10/31/19	<i>JK</i>	ES-201-4 prepared by LA	
11/11/2019	Written exams and operating tests approved by Branch Chief	11/6/19	<i>JK</i>		
11/11/2019	Request facility licensee management feedback on the exam	N/A	N/A		
11/11/2019	Final applications reviewed and audited; exam approval and waiver/excusal letters sent	11/15/19	<i>JK</i>	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
11/11/2019	Proctoring/written exam administration guidelines reviewed with facility licensee	11/18/19	<i>JK</i>		
11/11/2019	Approved scenarios and JPMs distributed to examiners	11/11/19	<i>JK</i>		
11/18/2019	Administer Operating Test	11/18/19	<i>JK</i>		
11/29/2019	Examiner's document op test results on ES 303's	12/4/19	<i>JK</i>		
12/16/2019	Post exam comments and graded exams received	11/29/19	<i>JK</i>	ES-403-1 to BC	
12/24/2019	Post exam written comments reviewed and incorporated and NRC grading completed	12/3/19	<i>JK</i>		
12/24/2019	Post exam operating test comments reviewed and ES-303-1 updated	12/5/19	<i>JK</i>		
12/31/2019	Chief examiner review of operating test and/or written exam grading completed	12/5/19	<i>JK</i>	Signed ES 303's to BC	
1/7/2020	Branch Chief review of exam results completed	12/9/19	<i>JK</i>		
1/14/2020	Waivers/deferrals reviewed for impact on licensing decision	12/9/19	<i>JK</i>		
1/14/2020	License/Proposed Denial letters mailed; Facility notified of results	12/17/19	<i>JK</i>		
1/14/2020	RPS/IP number of examinees updated	12/10/19	<i>JK</i>	print Report-21	
2/4/2020	Final Denial Letters mailed (if no request for informal review)	N/A	N/A	21 days after proposed denial letters mailed.	
2/11/2020	Examination Report Issued	1/15/20	<i>JK</i>	produced by CE	
2/18/2020	Ref Mat'l Returned after Final Resolution of Appeals	N/A	N/A		
3/17/2020	SUNSI checklist complete and exam docs to ADAMS	1/15/20	<i>JK</i>	SUNSI checklist to LA	
Replaces NUREG-1021, Revision 11, Forms ES-201-1 and ES-501-1					


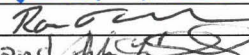



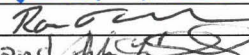



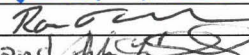


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18 *JK*

Facility: River Bend		Date of Examination: November 11, 2019		
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 in accordance with ES-401 or ES-401N.	<i>K</i>	<i>ND</i>	<i>JK</i>
	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.	<i>K</i>	<i>ND</i>	<i>JK</i>
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	<i>K</i>	<i>ND</i>	<i>JK</i>
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	<i>K</i>	<i>ND</i>	<i>JK</i>
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.	<i>K</i>	<i>ND</i>	<i>JK</i>
	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.	<i>K</i>	<i>ND</i>	<i>JK</i>
	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).	<i>K</i>	<i>ND</i>	<i>JK</i>
3.  W A L K T H R O U G H	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.	<i>K</i>	<i>ND</i>	<i>JK</i>
	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.	<i>K</i>	<i>ND</i>	<i>JK</i>
	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.	<i>K</i>	<i>ND</i>	<i>JK</i>
4.  G E N E R A L	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	<i>K</i>	<i>ND</i>	<i>JK</i>
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	<i>K</i>	<i>ND</i>	<i>JK</i>
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	<i>K</i>	<i>ND</i>	<i>JK</i>
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	<i>K</i>	<i>ND</i>	<i>JK</i>
	e. Check the entire exam for balance of coverage.	<i>K</i>	<i>ND</i>	<i>JK</i>
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	<i>K</i>	<i>ND</i>	<i>JK</i>
a. Author <u>Gabe Kimich</u> b. Facility Reviewer (*) <u>Randy Crawford</u> c. NRC Chief Examiner (#) <u>John Kirkland</u> d. NRC Supervisor <u>Gregory C. Winkler</u>		Printed Name/Signature Date 2/22/2019 2/22/2019 3/5/19 04/17/2019		
* Not applicable for NRC-prepared examination outlines. # The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.				

Facility: River Bend		Date of Exam: November 26, 2019		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.	K	NO	yes			
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)	K	NO	yes			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	K	NO	yes			
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). (RO #5 & 64)	K	NO	yes			
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 _X_ the licensee certifies that there is no duplication, or ___ other (explain).	K	NO	yes			
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 23/5 27/4	Modified 5/1 0/1	New 47/19 48/20	K	NO	yes
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 34/11 32/10	C/A 41/14 43/15		K	NO	yes
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				K	NO	yes
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.				K	NO	yes
10. Question psychometric quality and format meet the guidelines in Appendix B.				K	NO	yes
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.				K	NO	yes
Printed Name/Signature				Date		
a. Author	Gabe Kimich / 			October 31, 2019		
b. Facility Reviewer (*)	Randy Crawford / 			October 31, 2019		
c. NRC Chief Examiner (#)	John Kirkland / 			11/4/19		
d. NRC Regional Supervisor	Gregory Werner / 			11/05/2019		
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.					


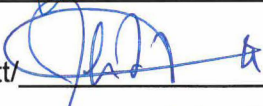
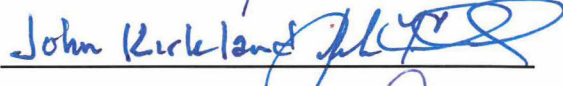
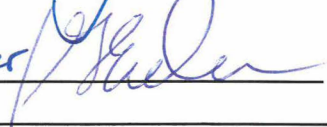


Facility: River Bend		Date of Examination: 11/18/2019		Operating Test Number: 2019-11															
1. General Criteria		Initials																	
		a	b*	c#															
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	K	AP	YKL															
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	K	AP	YKL															
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	K	AP	YKL															
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	K	AP	YKL															
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	K	AP	YKL															
2. Walkthrough Criteria		--	--	--															
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>• initial conditions</li> <li>• initiating cues</li> <li>• references and tools, including associated procedures</li> <li>• reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>• operationally important specific performance criteria that include— <ul style="list-style-type: none"> <li>— detailed expected actions with exact criteria and nomenclature</li> <li>— system response and other examiner cues</li> <li>— statements describing important observations to be made by the applicant</li> <li>— criteria for successful completion of the task</li> <li>— identification of critical steps and their associated performance standards</li> <li>— restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	K	AP	YKL															
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.	K	AP	YKL															
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.		K	AP	YKL															
<table border="0"> <tr> <td></td> <td>Printed Name/Signature</td> <td>Date</td> </tr> <tr> <td>a. Author</td> <td>Gabe Kimich / </td> <td>10/31/19</td> </tr> <tr> <td>b. Facility Reviewer (*)</td> <td>Randy Crawford / </td> <td>10/31/19</td> </tr> <tr> <td>c. NRC Chief Examiner (#)</td> <td>John Kirkland / </td> <td>11/14/19</td> </tr> <tr> <td>d. NRC Supervisor</td> <td>Gregory Warner / </td> <td>11/16/19</td> </tr> </table>			Printed Name/Signature	Date	a. Author	Gabe Kimich / 	10/31/19	b. Facility Reviewer (*)	Randy Crawford / 	10/31/19	c. NRC Chief Examiner (#)	John Kirkland / 	11/14/19	d. NRC Supervisor	Gregory Warner / 	11/16/19			
	Printed Name/Signature	Date																	
a. Author	Gabe Kimich / 	10/31/19																	
b. Facility Reviewer (*)	Randy Crawford / 	10/31/19																	
c. NRC Chief Examiner (#)	John Kirkland / 	11/14/19																	
d. NRC Supervisor	Gregory Warner / 	11/16/19																	
<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: River Bend		Date of Exam: 11/18/2019		Scenario Numbers: 1 / 2 / 3 / 4		Operating Test No.: 2019-11	
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.			K	NO	yes		
2. The scenarios consist mostly of related events.			K	NO	yes		
3. Each event description consists of the following: <ul style="list-style-type: none"> <li>the point in the scenario when it is to be initiated</li> <li>the malfunction(s) or conditions that are entered to initiate the event</li> <li>the symptoms/cues that will be visible to the crew</li> <li>the expected operator actions (by shift position)</li> <li>the event termination point (if applicable)</li> </ul>			K	NO	yes		
4. The events are valid with regard to physics and thermodynamics.			K	NO	yes		
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			K	NO	yes		
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.			K	NO	yes		
7. The simulator modeling is not altered.			K	NO	yes		
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.			K	NO	yes		
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.			K	NO	yes		
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			K	NO	yes		
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.)			K	NO	yes		
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).			K	NO	yes		
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.			K	NO	yes		
14. The level of difficulty is appropriate to support licensing decisions for each crew position.			K	NO	yes		
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes	--	--	--		
1.	Malfunctions after EOP entry (1-2)	2 / 2 / 3 / 2	K	NO	yes		
2.	Abnormal events (2-4)	4 / 4 / 4 / 4	K	NO	yes		
3.	Major transients (1-2)	1 / 2 / 1 / 1	K	NO	yes		
4.	EOPs entered/requiring substantive actions (1-2)	1 / 1 / 1 / 2	K	NO	yes		
5.	Entry into a contingency EOP with substantive actions ( $\geq 1$ per scenario set)	1 / 1 / 1 / 1	K	NO	yes		
6.	Preidentified critical tasks ( $\geq 2$ )	2 / 2 / 2 / 2	K	NO	yes		
<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>							

Facility: <b>River Bend</b>		Date of Exam: 11/26/19		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	K	h	yes		
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)	K	h	yes		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	K	h	yes		
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	K	h	yes		
5. All other failing examinations checked to ensure that grades are justified	K	h	yes		
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	K	h	yes		

	Printed Name/Signature	Date
a. Grader	Gabe Kimich/ 	11/27/2019
b. Facility Reviewer(*)	John Umphlett/ 	11/27/2019
c. NRC Chief Examiner (*)	John Kirkland/ 	12/3/19
d. NRC Supervisor (*)	Greg Werner/ 	12/10/19

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



Facility: River Bend				Date of Exam: 11/18/2019				Operating Test No.: 2019-11										
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					
RO <input type="checkbox"/>	RX							0				1			1	1	1	0
SRO-I <input type="checkbox"/>	NOR							0				0			0	1	1	1
<input type="checkbox"/>	I/C							6				6			12	4	4	2
SRO-U1 <input type="checkbox"/>	MAJ							1				1			2	2	2	1
<input type="checkbox"/>	TS							2				2			4	0	2	2
RO <input type="checkbox"/>	RX				0			0							0	1	1	0
SRO-I1 <input type="checkbox"/>	NOR				0			0							0	1	1	1
<input type="checkbox"/>	I/C				6			6							12	4	4	2
SRO-U <input type="checkbox"/>	MAJ				2			1							3	2	2	1
<input type="checkbox"/>	TS				2			2							4	0	2	2
RO1 <input type="checkbox"/>	RX					0				0			0		0	1	1	0
SRO-I <input type="checkbox"/>	NOR					0				0			0		0	1	1	1
<input type="checkbox"/>	I/C					3				3			4		10	4	4	2
SRO-U <input type="checkbox"/>	MAJ					2				1			1		4	2	2	1
<input type="checkbox"/>	TS					0				0			0		0	0	2	2
RO2 <input type="checkbox"/>	RX					0		0				1			1	1	1	0
SRO-I <input type="checkbox"/>	NOR					0		0				0			0	1	1	1
<input type="checkbox"/>	I/C					4		3				3			10	4	4	2
SRO-U <input type="checkbox"/>	MAJ					2		1				1			4	2	2	1
<input type="checkbox"/>	TS					0		0				0			0	0	2	2

Instructions:

- 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.
- 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.
- 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.
- 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: River Bend				Date of Exam: 11/18/2019				Operating Test No.:2019-11									
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
RO <input type="checkbox"/>	RX				0			0				1		1	1	1	0
SRO-I2 <input type="checkbox"/>	NOR				0			0				0		0	1	1	1
SRO-U <input type="checkbox"/>	I/C				6			6				3		15	4	4	2
	MAJ				2			1				1		4	2	2	1
	TS				2			2				0		4	0	2	2
RO <input type="checkbox"/>	RX														1	1	0
SRO <input type="checkbox"/>	NOR														1	1	1
SRO-U <input type="checkbox"/>	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
RO3 <input type="checkbox"/>	RX				0			0				0		0	1	1	0
SRO-I <input type="checkbox"/>	NOR				0			0				0		0	1	1	1
SRO-U <input type="checkbox"/>	I/C				3			3				4		10	4	4	2
	MAJ				2			1				1		4	2	2	1
	TS				0			0				0		0	0	2	2
RO4 <input type="checkbox"/>	RX					0		0						0	1	1	0
SRO-I <input type="checkbox"/>	NOR					0		0						0	1	1	1
SRO-U <input type="checkbox"/>	I/C					4		3						7	4	4	2
	MAJ					2		1						3	2	2	1
	TS					0		0						0	0	2	2

Instructions:

- 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.
- 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.
- 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.
- 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: River Bend				Date of Exam: 11/18/2019				Operating Test No.: 2019-11											
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						
RO <input type="checkbox"/>	RX					0			0				1			1	1	1	0
SRO-I3 <input type="checkbox"/>	NOR					0			0				0			0	1	1	1
SRO-U <input type="checkbox"/>	I/C					3			6				6			15	4	4	2
	MAJ					2			1				1			4	2	2	1
	TS					0			2				2			4	0	2	2
RO <input type="checkbox"/>	RX				0				0				0			0	1	1	0
SRO-I4 <input type="checkbox"/>	NOR				0				0				0			0	1	1	1
SRO-U <input type="checkbox"/>	I/C				6				3				4			13	4	4	2
	MAJ				2				1				1			4	2	2	1
	TS				2				0				0			2	0	2	2
RO5 <input type="checkbox"/>	RX					0			0			1				1	1	1	0
SRO-I <input type="checkbox"/>	NOR					0			0			0				0	1	1	1
SRO-U <input type="checkbox"/>	I/C					4			3			3				10	4	4	2
	MAJ					2			1			1				4	2	2	1
	TS					0			0			0				0	0	2	2
RO <input type="checkbox"/>	RX																1	1	0
SRO-I <input type="checkbox"/>	NOR																1	1	1
SRO-U <input type="checkbox"/>	I/C																4	4	2
	MAJ																2	2	1
	TS																0	2	2

Instructions:

- 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.
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- 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: River Bend				Date of Exam: 11/18/2019				Operating Test No.: 2019-11											
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	
RO <input type="checkbox"/>	RX					0			0				1			1	1	1	0
SRO-I5 <input type="checkbox"/>	NOR					0			0				0			0	1	1	1
SRO-U <input type="checkbox"/>	I/C					3			6				6			15	4	4	2
	MAJ					2			1				1			4	2	2	1
	TS					0			2				2			4	0	2	2
RO <input type="checkbox"/>	RX				0				0				0			0	1	1	0
SRO-I6 <input type="checkbox"/>	NOR				0				0				0			0	1	1	1
SRO-U <input type="checkbox"/>	I/C				6				3				4			13	4	4	2
	MAJ				2				1				1			4	2	2	1
	TS				2				0				0			2	0	2	2
RO6 <input type="checkbox"/>	RX					0			0			1				1	1	1	0
SRO-I <input type="checkbox"/>	NOR					0			0			0				0	1	1	1
SRO-U <input type="checkbox"/>	I/C					4			3			3				10	4	4	2
	MAJ					2			1			1				4	2	2	1
	TS					0			0			0				0	0	2	2
RO <input type="checkbox"/>	RX																1	1	0
SRO-I <input type="checkbox"/>	NOR																1	1	1
SRO-U <input type="checkbox"/>	I/C																4	4	2
	MAJ																2	2	1
	TS																0	2	2

Instructions:

- 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.
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- 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.
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Facility: River Bend		Date of Examination: 11/18/2019				Operating Test No.: 2019-11										
Competencies	APPLICANTS															
	<b>RO (ATC)</b> <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				<b>RO (BOP)</b> <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> <b>SRO-I</b> <input type="checkbox"/> <b>SRO-U</b> <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	15 67	23 56 7	15 68	23 7	2 3 6 8	12 45 68	24 67	34 56 78	1- 8	1- 8	1-8	1- 8				
Interpret/Diagnose Events and Conditions	15 67	23 56 7	15 68	23 37	2 3 6 8	12 45 68	24 67	34 56 78	1- 8	1- 8	1-8	1- 8				
Comply with and Use Procedures (1)	15 67	23 56 7	15 68	12 37	2 3 6 8	12 45 68	24 67	34 56 78	1- 8	1- 8	1-8	1- 8				
Operate Control Boards (2)	15 67	23 56 7	15 68	12 37	2 3 6 8	12 45 68	24 67	34 56 78	1- 8	1- 8	1-8	1- 8				
Communicate and Interact	15 67	23 56 7	15 68	12 37	2 3 6 8	12 45 68	24 67	34 56 78	1- 8	1- 8	1-8	1- 8				
Demonstrate Supervisory Ability (3)	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	1- 8	1- 8	1-8	1- 8				
Comply with and Use TS (3)	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	2 4	1 2	23	2 4				
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.)



# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Exam Week	Site / Docket # / Insp Rpt #	# Candidates				Type	Exam Author	Chief Examiner	Examiners Assigned
		RO	LSRO	SROI	SROU				
11/17/2019	River Bend / 05000458 / 2019301 CAC #: 000500	6	0	6	1	FB-OR- INITIAL LICENSE EXAM ADMINIS TRATION (EXAD)	NFF	Kirkland, John	Hayes,Mahdi Hernandez,Nicholas Kennard,Michael Kirkland,John Osterholtz,Clyde

Sites: RBS

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Summary by Date	RO	SROI	SROU	LSRO	Total
11/2019	6	6	1	0	13

Sites: RBS

Orgs: ALL

Exam Author: ALL

Activity Codes: EXAD

12/10/2019 7:42:21 AM

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Summary by Site	RO	SROI	SROU	LSRO	Total
River Bend	6	6	1	0	13

Sites: RBS  
Orgs: ALL  
Exam Author: ALL  
Activity Codes: EXAD

# IP 21 Operator Licensing Exam Schedule

From 10/01/2019 to 09/30/2020

Phase Code: 2 - Construction, 5 - Operational

Region: 4

Summary by Region	RO	SROI	SROU	LSRO	Total
Region 4	6	6	1	0	13

Sites: RBS  
Orgs: ALL  
Exam Author: ALL  
Activity Codes: EXAD



## 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 November 11, 2019 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 November 11, 2019. 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. Gabe Kimich	Exam Lead		11/6/18		12/3/19	
2. Gary Gardner	Exam Developer		11/6/18		12/3/19	
3. Dale Dawson	OPERATIONS REVIEWER		11/27/18		12/19/19	
4. Randy Crawford	Facility Reviewer		12/5/18		12/13/19	
5. Richard Northrup	Exam Oversight		2/1/19		12-12-19	
6. EZRA EWEINGER	OPS/NCO		2/13/19		12-10/19	
7. MICHAEL NAVARRO	OPS/NCO		2-13-19	PER PHONE CALL	12/10/19	(2)
8. Mike Tyson	OPS/SRO		2/13/19	PER PHONE CALL	12/10/19	(2)
9. Andrew Johnson	OPS/SRO		2/13/19	PER PHONE CONVERSATION	12/10/19	(2)
10. Richard Murray	CORP. OVERSIGHT	SEE ATTACHED	2/20/19	PER EMAIL	12/5/19	(1)
11. Chris Dwyer	OPS/SRO	Chris Dwyer	2/27/19	Chris Dwyer	12/5/19	
12. JUSTIN BAUDIER	OPS/NCO		2-28-19		12-5-19	
13. SERVAES, ANDREW	PEER REVIEW (WOLF CREEK)	SEE ATTACHED	3/19/19	PER PHONE CALL	12/10/19	(2)
14. Bonnie Scott	Sim Supt		4/24/19	PER EMAIL	12/9/19	(1)
15. Mark Cunningham	Vendor		4/26/19	PER PHONE CALL	12/10/19	(2)

NOTES: (1) SEE ATTACHED EMAIL TRACKING  
(2) INDIVIDUAL CONTACTED BY PHONE CONVERSATION



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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Jon H. Peters</u>	<u>Simulator Tech</u>	<u>[Signature]</u>	<u>4-26-19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
2. <u>John Caracci</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>5/5/19</u>	<u>[Signature]</u>	<u>12/15/19</u>	
3. <u>Jason Farthing</u>	<u>OPS</u>	<u>[Signature]</u>	<u>2-9-19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
4. <u>Michael Myers</u>	<u>OPS</u>	<u>[Signature]</u>	<u>7/9/19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
5. <u>DAVID WARE</u>	<u>OPS / ASM</u>	<u>[Signature]</u>	<u>7-9-19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
6. <u>Mark Cunningham</u>	<u>Vendor</u>	<u>[Signature]</u>	<u>7-9-19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
7. <u>EMILE FREY</u>	<u>Simulator Tech</u>	<u>[Signature]</u>	<u>7/18/19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
8. <u>Kevin S. Burnett</u>	<u>OPS Tech</u>	<u>[Signature]</u>	<u>10/16/19</u>	<u>K'S</u>	<u>11/19</u>	
9. <u>Brette E. Turner</u>	<u>Vendor</u>	<u>[Signature]</u>	<u>10/16/19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
10. <u>SHANE EDWARDS</u>	<u>SIM SUPPORT</u>	<u>[Signature]</u>	<u>1/2/19</u>	<u>[Signature]</u>	<u>12/16/19</u>	
11. <u>Derrek Farthing</u>	<u>OPS</u>	<u>[Signature]</u>	<u>10-22-19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>(2)</u>
12. <u>Jason Arms</u>	<u>OPS</u>	<u>[Signature]</u>	<u>10-22-19</u>	<u>[Signature]</u>	<u>12/5/19</u>	
13. <u>Dominic Dubois</u>	<u>OPS</u>	<u>[Signature]</u>	<u>10-22-19</u>	<u>[Signature]</u>	<u>12-5-19</u>	
14. <u>TW GATES</u>	<u>OPS</u>	<u>[Signature]</u>	<u>10/22/19</u>	<u>[Signature]</u>	<u>12/2/19</u>	
15. <u>ALICE GRIFFIN</u>	<u>TRNG</u>	<u>[Signature]</u>	<u>10/22/19</u>	<u>PER EMAIL</u>	<u>12/5/19</u>	<u>(1)</u>

NOTES:

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## 2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Jessie Hoda</u>	<u>WWSRO</u>	<u>[Signature]</u>	<u>10.24.19</u>	<u>[Signature]</u>		
2. <u>Clinton Hooper</u>	<u>IFC Supervisor</u>	<u>[Signature]</u>	<u>11-13-19</u>	<u>PER EMAIL</u>	<u>12/9/19</u>	<u>①</u>
3. <u>Penny Sarnally</u>	<u>OPS Training</u>	<u>[Signature]</u>	<u>11-18-19</u>	<u>[Signature]</u>		
4. <u>Dale Murphy</u>	<u>OPS TRAINING</u>	<u>[Signature]</u>	<u>11-18-2019</u>	<u>[Signature]</u>		
5. <u>Jonathan McCarty</u>	<u>OPS TRAINING</u>	<u>[Signature]</u>	<u>11-18-19</u>	<u>[Signature]</u>	<u>12-11-19</u>	
6. <u>Glen Krause</u>	<u>OPS TRAINING</u>	<u>[Signature]</u>	<u>11-18-19</u>	<u>[Signature]</u>	<u>12/14/19</u>	
7. <u>Michael Summers</u>	<u>ops Training</u>	<u>[Signature]</u>	<u>11-18-19</u>	<u>[Signature]</u>	<u>12-3-19</u>	
8. <u>ANDREW BLATZ</u>	<u>OPS TRAINING</u>	<u>[Signature]</u>	<u>11/18/19</u>	<u>[Signature]</u>	<u>12-3-19</u>	
9. <u>Dave Bergstrom</u>	<u>ops TRAINING</u>	<u>[Signature]</u>	<u>11-18-19</u>	<u>[Signature]</u>	<u>12-12-19</u>	
10. <u>Steve Reeves</u>	<u>CGN Exam Author</u>	<u>[Signature]</u>	<u>11-21-19</u>	<u>PER PHONE CALL</u>	<u>12/10/19</u>	<u>②</u>
11. _____	_____	_____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____	_____	_____

NOTES:



## Kimich, Gabriel

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**From:** Kimich, Gabriel  
**Sent:** Thursday, December 05, 2019 4:06 PM  
**To:** Tyson, Michael Matthew; Murray, Richard; Dwyer, Christopher; BAUDIER, JUSTIN; Scott, Bonnie; DABADIE, DAVID A; Dubois, Dominic; Griffin, Aline; Hooper, Clinton; Reeves, Steven  
**Subject:** ILO NRC Exam Security

Tracking:	Recipient	Response
	Tyson, Michael Matthew	
	Murray, Richard	Yes: 12/5/2019 4:08 PM
	Dwyer, Christopher	Yes: 12/5/2019 5:07 PM
	BAUDIER, JUSTIN	Yes: 12/6/2019 6:29 AM
	Scott, Bonnie	Yes: 12/9/2019 7:32 AM
	DABADIE, DAVID A	
	Dubois, Dominic	Yes: 12/6/2019 6:27 AM
	Griffin, Aline	Yes: 12/5/2019 4:51 PM
	Hooper, Clinton	Yes: 12/9/2019 7:49 AM
	Reeves, Steven	

Good afternoon,

Please use the voting buttons to acknowledge you met the exam security requirements per NUREG 1021.

Vote YES if the following statement is true:

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 November 18-26. 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.

Thanks,  
Gabe