

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 **10/02/2023 through 10/13/2023 @ Beaver Valley Unit 1** 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 the completion of examination administration, except as specifically noted below or authorized by the NRC. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations, an enforcement action by the NRC against me or the facility licensee, or both. I will immediately report to facility licensee 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 **10/02/2023 through 10/13/2023 @ Beaver Valley Unit 1**. From the date that I entered into this examination 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 or authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Mike Klingensmith</u>	Exam Team Lead		7-13-22	S. DeVAULT VIA TELECOM	10/11/23	
2. <u>Stephen DeVault</u>	Exam developer		7-14-22		10/11/23	
3. <u>SHAWN SNOOK</u>	SHIFT MANAGER		12/8/22		10/11/23	
4. <u>PAUL EISENMANN</u>	EXAM DEVELOPER		1/23/23		10/11/2023	
5. <u>LOW RHODES</u>	FACILITY REP		3/9/23		10/13/2023	
6. <u>Amy Bowen</u>	Super visor		5-16-23		10/16/23	
7. <u>Shawn Keener</u>	Shift Manager (Validation)		6-26-23	S. DeVAULT VIA EMAIL	10/12/23	
8. <u>CHRIS RIETSCHA</u>	SHIFT MANAGER		6-26-23		10/11/23	
9. <u>Greg Wain</u>	RO		6-26-23		10/11/23	
10. <u>Ryan Knotts</u>	RO		6/16/23		10/11/23	
11. <u>Matt Peters</u>	RO		7/5/23	S. DeVAULT VIA EMAIL	10/12/23	
12. <u>L. Mauck</u>	RO		7/5/23	S. DeVAULT VIA EMAIL	10/12/23	
13. <u>Leann Bednar</u>	clerk / copied		8/24/23	S. DeVAULT via Telephone	10/11/23	
NOTES: <u>JERRY HOWAR</u>	INSTRUCTOR		10/2/23		10/11/23	
<u>Jason Daniels</u>	Instructor		10/2/23		10/11/23	

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2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
14. James Schwer	Shift Manager		8/29/23	S. DEVAULT VIA EMAIL	10/13/23	
15. BRIAN MALLOY	REACTOR OPERATOR		8/29/23		10/11/23	
16. JOHN BALDWIN	REACTOR OPERATOR		8-29-23	S. DEVAULT VIA EMAIL	10/13/23	
17. Chelsey Wain	Unit Sup		8/29/23		10/26/23	
18. TONY KIRSTEN	INSTRUCTOR		8/30/23		10/11/23	
19. Richard Cavallaro	Computer Spl		9/25/23		10/11/23	
20. Chris Hanny	Training Sup.		9/27/23		10/11/23	
21. Kyle Lwerdt	ILT Instructor		9/28/23		10/11/23	
22. Tom Gillot	Instructor		10/2/23	S. DEVAULT VIA E-MAIL	10/11/23	
23. MICHAEL MUMFORD	Instructor		10/2/23		10/16/23	
24. MATTHEW ENGELL	Instructor		10/2/23		10/16/23	
25. BRIAN ZAVATICHAN	INSTRUCTOR		10/2/23		10/11/23	
26. Clinton Kotby	Instructor		10/2/23		10/11/23	
NOTES: GREG PEIKA	OPS SUP		10/2/23		10/11/23	
Nicolas A Adams	RO/Instructor		10/2/23		10/11/23	

Form 2.1-1 Examination Preparation Checklist

Facility: <u>BVI</u>		Date of Examination: <u>10/2023</u>
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating: Facility <input checked="" type="checkbox"/> NRC <input checked="" type="checkbox"/>		
Target Date*	Task Description	Chief Examiner's Initials
-240	1. Examination administration date confirmed (A.1-5). For NRC-prepared examinations, arrangements are made for the facility licensee to submit reference materials (B.4, C.4.g and F).	TF
-210	2. NRC examiners and facility licensee contact assigned (B.1 and C.1-3).	TF
-210	3. Facility licensee contact briefed on examination security and other requirements (D.4). As applicable, the facility licensee contact submits to the NRC any prescreened K/As for elimination from the written examination outline, with a description of the facility licensee's prescreening process (ES-4.1 A.1.a and ES-4.1 B.2).	TF
-210	4. Reference material due for NRC-prepared examinations (F).	TF
-210	5. Examination kick-off call held (C.4). The NRC sends the corporate notification letter (A.5).	TF
-195	6. Written examination outline developed by the NRC and sent to the facility licensee contact (must be on the examination security agreement) (B.2, ES-4.1 A.1.b and ES-4.1 A.2.a).	TF
-150	7. Operating test outlines and checklists due: Forms 1.3-1, 2.3-1, 3.2-1, 3.2-2, 3.3-1, and 3.4-1, as applicable (B.6). Facility licensee provides a draft operating test administration schedule to the NRC (B.18).	TF
-136	8. Operating test outlines reviewed by the NRC and feedback provided to the facility licensee (ES-2.3).	TF
-100	9. NRC-prepared examinations approved by the NRC supervisor and forwarded for facility licensee review (ES-2.3).	TF
-75	10. Proposed examinations (written, JPMs, and scenarios, as applicable) and outline forms; quality checklists and supporting documentation (including Forms 2.3-2 and 2.3-4 and any Form 2.3-1, 1.3-1, and 3.4-1 updates); and reference materials due.	TF
-60	11. Preliminary waiver/excusal requests due (ES-2.2 E.1).	TF
-50	12. Written examination and operating test reviews completed (ES-2.3). The NRC supervisor's authorization to proceed with the facility review granted (ES-2.3 D).	TF
-50	13. Examination review results discussed between the NRC and the facility licensee (B.14).	TF
-35	14. Examination preparatory week conducted by the NRC and the facility licensee (I).	TF
-30	15. Preliminary license applications, including any waiver/excusal requests, due (ES-2.2 C.1).	TF
-14	16. Final license applications, including any waiver/excusal requests, due and Form 2.2-1 prepared (ES-2.2 C and E).	TF
-7	17. Written examinations and operating tests approved by the NRC supervisor (C.9)	TF
-7	18. Facility licensee management feedback on the examination requested by the NRC supervisor (C.10).	TF
-7	19. Final applications reviewed; 10% of applications audited to confirm qualifications/eligibility (ES-2.2 G); and examination approval letter (Letter 2.3-1) and waiver/excusal letters sent.	TF
-7	20. Written examination administration guidelines reviewed with the facility licensee (D.14).	TF
-7	21. Approved scenarios and job performance measures distributed to NRC examiners (D.12).	TF
* Target dates are based on facility licensee-prepared examinations and the examination date identified in the corporate notification letter. These dates are for planning purposes and may be adjusted in coordination with the facility licensee.		

Form 2.3-1 Examination Outline Quality Checklist

Facility: Beaver Valley Power Station		Date of Examination: 10/2/2023		
Item	Task Description	(Y)es / (N)o		
		a	b*	c#
WRITTEN	a. The outline was systematically and randomly prepared in accordance with the instructions in Section B of ES-4.1, and all knowledge and ability (K/A) categories are appropriately sampled.	Y		Y
	b. The outline does not overemphasize any systems, evolutions, or generic topics.	Y	Y	Y
	c. Justifications for deselected or rejected K/A statements are acceptable.	Y	Y	Y
SIMULATOR	a. Using Form 3.4-1, Events and Evolutions Checklist verify that the proposed scenario set contains the required number of normal evolutions, reactivity evolutions, instrument and component failures, manual control evolutions, technical specifications, and major transients.	Y	Y	Y
	b. There are enough scenarios (and spares) for the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity. Ensure that scenarios will not be repeated on subsequent days.	Y	Y	Y
	c. Ensure that all scenarios are new or significantly modified in accordance with ES-3.4 and that no scenarios are duplicated from the applicants' audit test(s).	Y	Y	Y
	d. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative simulator set criteria specified on Form 2.3-2.	Y	Y	Y
JPMS	a. Verify that the administrative outline meets the criteria specified in the instructions on Form 3.2-1 and that no tasks are duplicated from the applicants' audit test(s).	Y	Y	Y
	b. Verify that the control room and in-plant systems outline meets the criteria specified in the instructions on Form 3.2-2 and that no tasks are duplicated from the applicants' audit test(s).	Y	Y	Y
	c. Determine whether the number of job performance measures (JPMs) and JPM types is sufficient for the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	Y	Y	Y
GENERAL	a. Assess whether the appropriate exam sections cover plant-specific priorities (including probabilistic risk assessment and individual plant examination insights).	Y	Y	Y
	b. Assess whether the 10 CFR 55.41, 10 CFR 55.43, and 10 CFR 55.45 sampling is appropriate.	Y	Y	Y
	c. Check whether K/A importance ratings (except for plant-specific priorities) are greater than or equal to 2.5.	Y	Y	Y
	d. Check for duplication and overlap across the exam and with the last two NRC exams.	Y	Y	Y
	e. Check the entire exam for balance of coverage.	Y	Y	Y
	f. Assess whether the exam fits the appropriate job level (reactor operator or senior reactor operator).	Y	Y	Y
a. Author	Printed Name/Signature	Date		
b. Facility Reviewer (*)	Michael Klingensmith	5-1-23		
c. NRC Reviewer (#)	Jon RHOADES	5/8/23		
NRC Chief Examiner	Todd Fish	5/8/23		
NRC Supervisor	Todd Fish	5/8/23		
	Donald Jackson	5/8/23		
* The facility licensee signature is not applicable for NRC-developed tests.				
# An independent NRC reviewer performs the steps in column "c." This may be the NRC Chief Examiner if he/she did not develop the outline under review.				

Form 2.3-2 Operating Test Quality Checklist

Facility: Beaver Valley Unit 1 Date of Examination: 10/2/2023 – 10/13/23 Operating Test Number: BV1LOT23			
General Criteria	(Y)es / (N)o		
	a	b*	c#
a. The operating test meets the criteria on the associated test outline.	Y	Y	Y
b. There are enough test items so that test items will not be repeated on more than 1 day of the operating test.	Y	Y	Y
c. The operating test does not duplicate items from the applicants' audit test(s).	Y	Y	Y
d. Overlap with the written examination and between different parts of the operating test is minimized.	Y	Y	Y
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	Y	Y	Y
Walkthrough Criteria			
a. Each job performance measure (JPM) includes the following, as applicable:			
<ul style="list-style-type: none"> • task standard • initial conditions • initiating cues • references and tools, including associated procedures • reasonable and validated time limits (average time allowed for completion) and specific designation if the facility licensee deems it to be time critical • alternate path JPMs are labeled as "alternate path" • operationally important specific performance criteria that include the following: <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 JPM task standard – identification of critical steps and their associated performance standards – restrictions on the sequence of steps, if applicable 	Y	Y	Y
b. Ensure that any changes from the previously approved JPM outlines (Forms 3.2-1 and 3.2-2) 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.	Y	Y	Y
Simulator Scenario Set Criteria for Scenario Numbers: N1 / N2 / N3 / N4 (Spare)			
QUALITATIVE ATTRIBUTES			
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.	Y	Y	Y
2. The scenarios consist mostly of related events.	Y	Y	Y
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) 	Y	Y	Y

QUALITATIVE ATTRIBUTES (continued)		(Y)es / (N)o				
		a	b*	c#		
4.	The events are valid with regard to physics and thermodynamics.	Y	Y	Y		
5.	The sequencing and timing of events is reasonable and allows the examination team to observe and evaluate applicant performance.	Y	Y	Y		
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.	Y	Y	Y		
7.	The simulator modeling is not altered.	Y	Y	Y		
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.	Y	Y	Y		
9.	Scenarios are new or significantly modified in accordance with ES-3.4.	Y	Y	Y		
10.	Scenarios (as grouped) allow each applicant to be significantly involved in the minimum number of transients, events, and evolutions specified on the version of Form 3.4-1 submitted with the scenario set.	Y	Y	Y		
11.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	Y	Y	Y		
12.	The level of difficulty is appropriate to support licensing decisions for each crew position.	Y	Y	Y		
TARGET QUANTITATIVE ATTRIBUTES per Scenario (See ES-3.4)		Actual Attributes by Scenario No. N1 / N2 / N3 / N4 (Spare)		(Y)es / (N)o		
				a	b*	c#
1.	Malfunctions after emergency operating procedure (EOP) entry (1-2)	3 / 2 / 3 / 4		Y	Y	Y
2.	Abnormal events (2-4)	3 / 4 / 2 / 2		Y	Y	Y
3.	Major transients (1-2)	1 / 2 / 1 / 1		Y	Y	Y
4.	EOPs entered/requiring substantive actions (1-2)	1 / 2 / 2 / 2		Y	Y	Y
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set; set is the entire set of scenarios prepared for the scheduled exam)	1 / 0 / 0 / 0		Y	Y	Y
6.	Preidentified critical tasks (≥ 2)	3 / 3 / 3 / 3		Y	Y	Y
		Printed Name/Signature		Date		
a.	Author	STEPHEN DEVAULT <i>Stephen DeVault</i>		12/5/23		
b.	Facility Reviewer (*)	Jon Ruppel <i>Jon Ruppel</i>		12/5/23		
c.	NRC Reviewer (#)	TODD FISH <i>Todd Fish</i>		12/6/23		
	NRC Chief Examiner	TODD FISH <i>Todd Fish</i>		12/6/23		
	NRC Supervisor	Donald E. Jackson <i>Donald E. Jackson</i>		12/12/23		
<p>* The facility licensee signature is not applicable for NRC-developed tests. # An independent NRC reviewer performs the steps in column c. This may be the NRC Chief Examiner if he/she did not develop the operating test under review.</p>						

Form 2.3-4 Written Examination Quality Checklist

Facility: Beaver Valley Unit 1		Date of Exam: 10/2/2023 – 10/13/2023		Exam Level: RO	<input checked="" type="checkbox"/>	SRO	<input checked="" type="checkbox"/>
Item Description				(Y)es / (N)o			
				a	b*	c#	
1. Questions and answers are technically accurate and applicable to the facility. Each question includes a technical reference.				Y	Y	Y	
2. a. All questions reference NRC knowledge and abilities (K/As) requirements. b. Facility learning objectives are referenced as available. c. All questions include an explanation of the correct answer explanation and a distractor analysis.				Y	Y	Y	
3. Senior reactor operator (SRO) questions test at the SRO license level.				Y	Y	Y	
4. The sampling process was random and systematic. (If more than four reactor operator (RO) or two SRO questions were repeated from the last two NRC licensing exams, including full (100-question) retake examinations, consult the NRC Office of Nuclear Reactor Regulation operator licensing program office.)				Y	Y	Y	
5. Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> The audit exam was systematically and randomly developed. <input type="checkbox"/> The audit exam was completed before the license exam was started. <input type="checkbox"/> The examinations were developed independently. <input type="checkbox"/> The licensee certifies that there is no duplication. <input type="checkbox"/> Other (explain):				Y	Y	Y	
6. Bank use meets limits (no more than 75% from the bank, at least 10% new (at the comprehension/analysis-level), and the rest new or modified); enter the actual RO/SRO-only question distribution >				Bank	Modified	New	
				29 / 10	0 / 0	46 / 15	Y
7. Between 38 and 45 questions of the questions on the RO exam and at least 13 of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level; enter the actual RO/SRO-only question distribution >				Memory		C/A	
				37 / 9	38 / 16	Y	Y
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				Y	Y	Y	
9. Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the K/A statements' assigned tier; deviations are justified.				Y	Y	Y	
10. Question psychometric quality and format meet the instructions and guidelines in ES-4.2.				Y	Y	Y	
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.				Y	Y	Y	
a. Author	Printed Name/Signature				Date		
b. Facility Reviewer (*)	STEPHEN DEVANTI				12/5/23		
c. NRC Reviewer (#)	Jed RHODES				12/5/23		
NRC Regional Supervisor	TODD FISCH				12/6/23		
	Donald E. Jackson				12/12/23		
* The facility licensee signature is not applicable for NRC-developed tests. # An independent NRC reviewer performs steps in column c. This may be the NRC Chief Examiner if he/she did not develop the written examination under review.							

Form 3.4-1 Events and Evolutions Checklist

Facility <u>Beaver Valley Unit 1</u> Date of Exam: <u>10/2/2023 – 10/13/2022</u> Operating Test No: <u>BV1LOT23</u>																	
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 (Spare)						
		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
M A S T E R	RX		5				5		1				4		1	1	0
	NOR	1		1	3		3	1,2		2	1,4		1		1	1	1
	I/C	3,4,5, 7,8,9	4,7,9	3,8	1,2, 4,5, 8,9	2,4,5,9	1,8	3,4, 5,7, 8,9	4,5,8	3,7,9	3,5, 7,8, 9,10	5,8,10	3,7,9		4	4	2
	MAJ	6	6	6	6,7	6,7	6,7	6	6	6	6	6	6		2	2	1
	MC		9	3,8		5,9	1		8	3,7		8,10	3,7,9		1	1	0
	TS	2,4,5			2,4			4,5				2,3			0	2	2
SRO-U1 <input checked="" type="checkbox"/>	RX						5							1	1	1	0
	NOR	1					3							2	1	1	1
	I/C	3,4,5, 7,8,9					1,8							8	4	4	2
	MAJ	6					6,7							3	2	2	1
	MC						1							1	1	1	0
	TS	2,4,5												3	0	2	2
SRO-U2 <input checked="" type="checkbox"/>	RX													0	1	1	0
	NOR	1												1	1	1	1
	I/C	3,4,5, 7,8,9												6	4	4	2
	MAJ	6												1	2	2	1
	MC													0	1	1	0
	TS	2,4,5												3	0	2	2

Form 3.4-1 Events and Evolutions Checklist

Facility <u>Beaver Valley Unit 1</u> Date of Exam: <u>10/2/2023 to 10/13/2023</u> Operating Test No: <u>BV1LOT23</u>																	
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			
SRO-I1 <input checked="" type="checkbox"/>	RX		5														1
	NOR				3									1	1	1	1
	I/C		4,7,9		1,2,4, 5,8,9									9	4	4	2
	MAJ		6		6,7									3	2	2	1
	MC		9											1	1	1	0
	TS				2,4									2	0	2	2
SRO-I2 <input checked="" type="checkbox"/>	RX		5											1	1	1	0
	NOR				3									1	1	1	1
	I/C		4,7,9		1,2,4, 5,8,9									9	4	4	2
	MAJ		6		6,7									3	2	2	1
	MC		9											1	1	1	0
	TS				2,4									2	0	2	2
SRO-I3 <input checked="" type="checkbox"/>	RX		5											1	1	1	0
	NOR				3				2					2	1	1	1
	I/C		4,7,9		1,2,4, 5,8,9				3,7,9					12	4	4	2
	MAJ		6		6,7				6					4	2	2	1
	MC		9						3,7					3	1	1	0
	TS				2,4									2	0	2	2
SRO-I4 <input checked="" type="checkbox"/>	RX					5								1	1	1	0
	NOR					3	1,2							3	1	1	1
	I/C					1,8	3,4,5, 7,8,9							8	4	4	2
	MAJ					6,7	6							3	2	2	1
	MC					1								1	1	1	0
	TS						4,5							2	0	2	2

Form 3.4-1 Events and Evolutions Checklist

Facility <u>Beaver Valley Unit 1</u> Date of Exam: <u>10/2/2023 to 10/13/2023</u> Operating Test No: <u>BV1LOT23</u>																	
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			
SRO-15 <input checked="" type="checkbox"/>	RX						5										1
	NOR	1					3							2	1	1	1
	I/C	3,4,5, 7,8,9					1,8							8	4	4	2
	MAJ	6					6,7							3	2	2	1
	MC						1							1	1	1	0
	TS	2,4,5												3	0	2	2
SRO-16 <input checked="" type="checkbox"/>	RX		5											1	1	1	0
	NOR					3								1	1	1	1
	I/C		4,7,9			1,2,4, 5,8,9								9	4	4	2
	MAJ		6			6,7								3	2	2	1
	MC		9											1	1	1	0
	TS					2,4								2	0	2	2
SRO-17 <input checked="" type="checkbox"/>	RX						5							1	1	1	0
	NOR	1					3							2	1	1	1
	I/C	3,4,5, 7,8,9					1,8							8	4	4	2
	MAJ	6					6,7							3	2	2	1
	MC						1							1	1	1	0
	TS	2,4,5												3	0	2	2

Form 3.4-1 Events and Evolutions Checklist

Facility <u>Beaver Valley Unit 1</u> Date of Exam: <u>10/2/2023 to 10/13/2023</u> Operating Test No: <u>BV1LOT23</u>																	
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			
RO-R1 <input checked="" type="checkbox"/>	RX																0
	NOR			1										1	1	1	1
	I/C			3,8		2,4,5,9								6	4	4	2
	MAJ			6		6,7								3	2	2	1
	MC			3,8		5,9								4	1	1	0
	TS													0	0	2	2
RO-R2 <input checked="" type="checkbox"/>	RX								1					1	1	1	0
	NOR			1										1	1	1	1
	I/C			3,8		2,4,5,9			4,5,8					9	4	4	2
	MAJ			6		6,7			6					4	2	2	1
	MC			3,8		5,9			8					5	1	1	0
	TS													0	0	2	2
RO-R3 <input checked="" type="checkbox"/>	RX													0	1	1	0
	NOR			1										1	1	1	1
	I/C			3,8		2,4,5,9								6	4	4	2
	MAJ			6		6,7								3	2	2	1
	MC			3,8		5,9								4	1	1	0
	TS													0	0	2	2
RO-R4 <input checked="" type="checkbox"/>	RX													0	1	1	0
	NOR			1										1	1	1	1
	I/C			3,8		2,4,5,9								6	4	4	2
	MAJ			6		6,7								3	2	2	1
	MC			3,8		5,9								4	1	1	0
	TS													0	0	2	2

Form 3.4-1 Events and Evolutions Checklist

Form 3.4-1 Instructions for the Events and Evolutions Checklist

1. Mark the applicant license level for each simulator operating test number.
2. For the set of scenario columns, fill in the associated event number from Form 3.3-1, "Scenario Outline," to show the specific event types being used for the applicant while in the assigned crew position for that scenario.

* Minimums are subject to the instructions in Section C.2, "License Level Criteria."

KEY:

RX = Reactivity Manipulation

NOR = Normal Evolution

I/C = Instrument/Component Failure

MAJ = Major Transient

MC = Manual Control of Automatic Function

TS = Technical Specification Evaluation

RO = Reactor Operator

SRO-I or I = Instant Senior Reactor Operator

SRO-U or U = Upgrade Senior Reactor Operator

SRO = Senior Reactor Operator

ATC = At the Controls

BOP = Balance of Plant