Facility:	Salem (Simulator Scenario Retake Only) Date of Examinatio	n: 9/24/10
Developed	by: Written - Facility ☐ NRC ☐ // Operating - Facility ☒ NRC ☐	
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	Examination administration date confirmed (C.1.a; C.2.a and b)	NA
-120	NRC examiners and facility contact assigned (C.1.d; C.2.e)	
-120	Facility contact briefed on security and other requirements (C.2.c)	W
-120	4. Corporate notification letter sent (C.2.d)	
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 3)]	
{-75}	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	1
{-70}	Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	ul.
{-45}	8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6, and any Form ES-201-3 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	4
-30	Preliminary license applications (NRC Form 398's) due (C.1.I; C.2.g; ES-202)	Ŋ
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.I; C.2.i; ES-202)	A
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	NA
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	N4
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	OL
-7	 Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 5; ES-202, C.2.e; ES-204) 	of
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	NA
-7	Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	SE

^{*} Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.

[Applies only] {Does not apply} to examinations prepared by the NRC.

Form ES-201-2

Facility	Salem Units 1 & Z Date of Examination:	9-2	4-	0
ltem	Task Description	а	Initia b*	is c#
1. W	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	1	Ť	1
R I	 Assess whether the outline was systematic ally and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/ A categories are appropriately sampled. 			
T T	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.			
E N	d. Assess whether the justifications for deselec ted or rejected K/A statements are appropriate.	7		
2. S	 Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients. 	N	P	UZ.
M U L A T	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.	S	P	쎋
O R	c. To the extent possible, assess whether t he outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	13	P	Del
3. W / T	 a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form. 		X	A
	 b. Verify that the administrative outline m eets 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 		/\	
	 Determine if there are enough different outli nes to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days. 			
4.	Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	4	\$	W
G E	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	NA	NÍΑ	NA
	c. Ensure that K/A importance ratings (except fo r plant-specific priorities) are at least 2.5.	19	R)	14
R _	d. Check for duplication and overlap among exam sections.	NA	N/A	NA
_ L }	e. Check the entire exam for balance of coverage.	24	€ /	<i>1)</i> 4
a. Author b. Facility c. NRC C	Cerald Gauding Suald Sauding Printed Plame/Signature Reviewer (*) Eric Power (*) Chief Examiner (#) SAM HANSELL TOHN CAUSE / July Blue SAM HANSELL TOHN CAUSE / JULY BLUE	<u> </u>	Date 8-5- 8-5 8-5 8/10	
Vote:	# Independent NRC reviewer initial items in Co lumn "c"; chief examiner concurrence requ * Not applicable for NRC-prepared examination outlines	ired.		

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

Pre-Examination

acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of $\frac{9}{2}$ these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered 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 (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 the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and may have been compromised.

Post-Examination

instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted 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 9-24-10. From the date that I entered into this security agreement until the completion of examination administration, I did not below and authorized by the NRC.

JRE (1) DATE SIGNATURE (2) DATE NOTE	5-27-10 Dans 1-24-10	8/5/10 1884 LIE POWEN 10-15-12	8/9/10 Alman La Z. W. Wallace 10-7-10	4000 8600 Second Specific 9 20 100	9-13-4 Thomas In 186, 10-413	9.13.10 Jane 120 Tart 1 9/39/1	1-4-10 Alband & P. Hist 10-9-10	
SIGNATURE (1	Lyold Ha		777	Han 14	OKE	Sewish R	Cally	
JOB TITLE / RESPONSIBILITY	Exam Author	50%	NCO	NCO S.C. (12G-)	070	NCO NCO NCO NCO NCO NCO NCO NCO NCO NCO	Simurally INJURIAL	
PRINTED NAME	1 Geald Gaudin	1780	. 4	- 13	10 Harry William	w	13. Peter Horse 00	15. NOTES:

Facility:	Salem Date of Examination: 9-24-10 Operation	g Test	Numbe	er: 0 <i>8</i> _0	1 Retake
	1. General Criteria	_	Initia		
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	y	P	₩	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	1	P	24	
с.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	14	P	C\$2	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	H	2	MA	
е.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	B	26	B	
	2. Walk-Through Criteria		<u></u>		
а.	Each JPM includes the following, as applicable: 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: 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		₩.		
b.	Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.				
	3. Simulator Criteria	_			
The ass Form E	ociated simulator operating tests (scenario sets) have been reviewed in accordance with 3-301-4 and a copy is attached.	A	WP	Ø2	
b. Fa	Printed Name / Signature thor Gerald Gauding Guald Bauding 8— Comparisor The facility signature is not applicable for NRC-developed tests. Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.	Dat 23-1 26/0 5/10			

Facility:	Salem Date of Exam: 9/24/10 Scenario Numbers: 1/	2/3 Operating Test	No.:O	8-01	Reta				
	QUALITATIVE ATTRIBUTES	٠.		Initia					
			а	b*	c#				
1.	The initial conditions are realistic, in that some equipment and/or instrumer of service, but it does not cue the operators into expected events.	tation may be out	y_	40	1/2				
2.	The scenarios consist mostly of related events.		14	SP)	19				
3.	Each event description consists of								
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated without a credible preceding incident such as a seismic event.	into the scenario	Ŋ	uf	W				
5.	The events are valid with regard to physics and thermodynamics.		14	2f	R				
6.	Sequencing and timing of events is reasonable, and allows the examination complete evaluation results commensurate with the scenario objectives.	n team to obtain	IJ	40	W				
7.	If time compression techniques are used, the scenario summary clearly so Operators have sufficient time to carry out expected activities without undur Cues are given.		S	20	£				
8.	The simulator modeling is not altered.		14	80	N.				
9.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any oper performance deficiencies or deviations from the referenced plant have been to ensure that functional fidelity is maintained while running the planned so	n evaluated	¥	s/	€				
10.	Every operator will be evaluated using at least one new or significantly mod All other scenarios have been altered in accordance with Section D.5 of ES	lified scenario. -301.	Ŋ	W)	W				
11.	All individual operator competencies can be evaluated, as verified using Fo (submit the form along with the simulator scenarios).	rm ES-301-6	4	ET .	4				
12.	Each applicant will be significantly involved in the minimum number of transspecified on Form ES-301-5 (submit the form with the simulator scenarios).	sients and events	14	af .	Ø				
13.	The level of difficulty is appropriate to support licensing decisions for each	grew position.	13-	\$	1/2				
	Target Quantitative Attributes (Per Scenario; See Section D.5.d)	Actual Attributes			7				
1.	Total malfunctions (5–8)	8 161 8	丛	4	W				
2.	Malfunctions after EOP entry (1-2)	3 1112	4	4					
3.	Abnormal events (2–4)	21212	4	4	M				
4.	Major transients (1–2)	1///	4	50	W				
5.	EOPs entered/requiring substantive actions (12)	21113	14	5P	W.				
6.	EOP contingencies requiring substantive actions (0-2)	0 1210-2*	14	GP)	Ü				
7.	Critical tasks (2–3)	4 13 14	14	ZP	i)				

* contingent on timing.

Facility: Salem Generating Station

Date of Exam:9/24/10

Operating Test No.: 08-01 NRC RETAKE

Α	E	Scenarios															
P P	V E N		ESG-2			ESG-3 (Spare- not included in TOTAL)					T O	,	M				
Ī	Т	CRE	W POSITION	NC	CREV	V POSI	TION	CRE	W POSI	TION	CRI	W PO	SITION	T		N	
C A N T	T Y 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	В О Р	S R O	A T C	B O P	A L	R	I M U M(*	·)
	E RX	3	Verse trace in the possess								1			1	K	A	(00,00000
	NOR		Elisab Charles Trust area Live to the land to be	A STATE OF THE STATE OF T		1					 			1		1	0
SRO(U)	I/C	1,5,6,7	ia anglaris Series aras Series aras		TANK OF INTERPRETATION	3,4,6		1,3,4,5, 7,8	1,3,4, 5,7,8					7		4	2
	MAJ	4	hings a Palamand a bassan salad h			5		6	6					2		2	1.
	TS	1,2	of any state of the state of th			The Control of the Co		1,2						2		2	2
	RX																
	NOR																
	I/C																
	MAJ																
	TS										<u> </u>			0.00000 0000000000000000000000000000000		* 197.82 * 200.0	
	RX	1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3											1		1	0
	NOR		164444	on in the second second belongs	State of the state									1		1	1
SRO(I)	1/C		1,6,7		3,4,5, 6	the second secon		1,3,4,5, 7,8	1,3,4, 5,7,8					6		4	2
1	MAJ		4		5	######################################	774 (UT) 1907	6	6	·				2		2	1
	TS	about of disciplination of the manual bridge of the property o	below the state of	ALPINE PARTY	2,3		MAJORITA SEL	1,2						2		2	2
	RX																
	NOR																
	I/C																
	MAJ																\dashv
	TS																ᅵ

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 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 Instant SRO 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 instrument or component malfunctions on a 1-for-1 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.

Facility: Salem Date of Examination: 9/24/10 Operating Test No: 08-01 NRC RETAKE																	
APPLICAN								INTS									
	SRC	SRO-I 🔲 s			RO SRO-I SRO-U				RO SRO-I SRO-U1								
Competencies	sc	ENAR	10		SC	ENAI	રા૦		S	0	SCENARIO						
	1 (RO)	2 (CRS)	3	4	1 (CRS)	2 (RO)	3	4	1	2	3	4	1	2	3	4	
Interpret/Diagnose Events and Conditions	1,4,6,7	3,4,5,6			1,2,4	2,3,4, 5,6											
Comply With and Use Procedures (1)	1,3,4,5, 6,7	1,2,3,4, 5,6			1,3,4,5,6 ,7	1,3,4, 5,6											
Operate Control Boards (2)	1,3,4,5, 6,7					1,3,4, 5,6											
Communicate and Interact	1,3,4,5, 6,7	1,2,3,4, 5,6			1,2,3,4,5 ,6,7	1,2,3, 4,5,6											
Demonstrate Supervisory Ability (3)		1,3,4,5, 6			1,3,4,5,6 ,7				-								
Comply With and Use Tech. Specs. (3)		2,3	i		1,2												
Notes: (1) Includes Technical Specification 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.