Facility: _	CALVENT Date of Exami	ination: 2/27- 7
Examination	ons Developed by: Facility / NRC (circle one)	·
Target Date*	Task Description / Reference	Chief Examiner's Initials
-180	Examination administration date confirmed (C.1.a; C.2.a & b)	Jan .
-120	NRC examiners and facility contact assigned (C.1.d; C.2.e)	1
-120	3. Facility contact briefed on security & other requirements (C.2.c)	1
-120	4. Corporate notification letter sent (C.2.d)	1
[-90]	[5. Reference material due (C.1.e; C.3.c)]	A
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	A
-70	Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	A
-45	Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	B
-30	9. Preliminary license applications due (C.1.I; C.2.g; ES-202)	1
-14	10. Final license applications due and assignment sheet prepared (C.1.I; C.2.g; ES-202)	1
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	1
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	1
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	1
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	1
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	N
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	2
for p lices	rget dates are keyed to the examination date identified in the corporate notification planning purposes and may be adjusted on a case-by-case basis in coordination ensee. plies only to examinations prepared by the NRC.	n letter. They are with the facility

Facility:	Date of Examination:	1	· · · · · · · · · · · · · · · · · · ·			
Item	Task Description					
1.	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	mell	b* B E	c#		
1. W R	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	mal	斯	12		
T T	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	(1)	Œ	1		
E N	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	(L)	X	1		
2.	Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	L	DE			
S M	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; ensure 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 scenarios will not be repeated over successive on subsequent days.	1/-	S	p		
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	M	逛			
3. W / T	 a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks, (2) no more than 30% of the test material is repeated from the last NRC examination, (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks. 	nes.	Œ	N		
	 b. Verify that: (1) the tasks are distributed among the safety function groupings as specified in ES-301, (2) one task is conducted in a low-power or shutdown condition, (3) 40%4 - 6 (2 - 3 for SRO-U) of the tasks require the applicant to implement an alternate path procedure, (4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and (5) the in-plant walk-through requires the applicant to enter the RCA. 	lien	BE	¥		
	c. Verify that the required administrative topics are covered , with emphasis on performance-based activities .	ms	五	1		
	 d. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on successive subsequent days. 	rew	距	1		
4.	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	res)	缸	1/		
G E	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	new	随	1		
N E	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	rew	西	1		
R	d. Check for duplication and overlap among exam sections.	ies	DE	N		
L	e. Check the entire exam for balance of coverage.	m	a	1/1		
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	M	ख	1		
c. NR	hor C Supervisor Printed Name / Signature Printed Name / Signature C Supervisor Printed Name / Signature C Signature Printed Name / Signature		12/1/7	10 10 10 10 10 10 10 10 10 10 10 10 10 1		

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 22 1/2 1/2 1/2 3 of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of ______. 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.

	t., '					
PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
(,		1)			
1. Michael Wasen	Exam developer	(he have	<u> 4/11/83</u> _	·		
2. CYPRISTOPHER ITTEODOR	CHGNISTRY	Montal State	<u> 10/14/63</u>			
3. Domenic F. LAVATO	SUPV-RTU/FACILITY REP	PALOUATO	10/30/03			
4. JAMES C. Kellum	Sn. Ops Inst	A-GARL	11/6/3			
5. EDMUND D. CHEZANOWS	he sim surport work LEADER C	Le Marine	4/12/02			
6. okaren Laften	5r Admin Asst	dans Justin	<u> 18/3/62 </u>	·	<u></u>	·
7. DAVID SULA-LUM	cao	HATT -	12.3.03	·		
8. Richard D. Gretz	POCT Instructor	a fulfilled	12-5-03			
9. JUSTIN R. TUPK	ST-SRO	and i	12-10-03			
10. ERUIN LYSON	CONTROL POW CPCRATOR		1217.03	**************************************		
11. Robin M. Day	Training Program Specialist	John m lay	<u>12-18-03</u>			
12. MICHAEL J. FICK	LORT INSTRUCTOR	Wichael J. Rich	12/31/03			
13. James T. Huber	LORT INSRUCTOR	Show 5 Men	1/8/04			
14				·····		
15				· · · · · · · · · · · · · · · · · · ·	······································	

ES	5-201		Examina	tion Security Agreeme	nt		Form E	S-201-3
1.	Pre-Examination							
Lac	cknowledge that I have a	coulred specialized kn	owledge about th	e NRC licensing examin	ations scheduled fo	r.the week(s) of	as	of the
	te of my signature. I agre							
by	the NRC chief examiner.	I understand that I ar	n not to instruct, e	valuate, or provide perfo	rmance feedback t	o those applicants sch	eduled to I	be
	ministered these licensing							
	horized by the NRC. Fur							
	cedures) and understand							
	ion against me or the faci			facility management or	the NRC chief exa	niner any indications o	or suggesti	ons that
exa	mination security may ha	ave been compromise	d. .			•		
^	Deat Everninetien	•						
2.	Post-Examination			. "				
ΤΛ :	the best of my knowledge	I did not divulge to a	ny unauthorizad i	persons any information	concerning the NP	^ licancina evaminatio	ne adminie	torod
	ing the week(s) of							
inst	ruct, evaluate, or provide	performance feedbac	k to those applica	nts who were administer	ed these licensina	examinations, except	as specific	allv
note	ed below and authorized	by the NRC.					-,- -, -	,
	PRINTED NAME	JOB TITLE / RESI	PONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1	Row Hammans	Serion Reacton		Wazel .	1.6.03			
2	BOB HOWARTH	5546 CR		R: Howard	1-7.04			
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I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/23/1/2 s of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of ______. 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.

	***	1			
PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
(11.		
1. Michael Wasen	Exam developer	(he have	4/11/83	· · · · · · · · · · · · · · · · · · ·	
2. CHRISTOPHER I TROPE	CHGMISTRY	Clintol 1477	10/14/63		
3. Domenic F. LAVATO	SUPV-RTU / FACILITY REP	Though	10 30 03		
4. JAMES C. Kellum	Sn Ops Inst	And GXIII	11/6/3		
5. EDMUND A. CHEZAWOUS	K. SIM SUPPORT WORK LEADER O	Fland Chromb	1/12/03		
6. okaren Lafton	5r Admin Asst	daren set	<u>iá/3/a</u>		
7. DAVID SULA-LUT	CRO	A DOFF	12.3.03		
8. Richard D. Grett	POCT Instructor	a full will	12-5-03		
9. JUSTIN R. TIPK	ST-5R0	4-10	12-10-03		
10. ERUIN LYSON	CONTROL OWN COCATOR !	121	12-17.03		
11. Robin M. Day	Training Program Specialist	Tobin m . Day	12-18-03		
12. MICHAEL J. FICK	LORT INSTRUCTOR	Wichael J. Rick	12/31/03		
13. James T. Huber	LORT INSRUCTOR	Sam 5 Man	- 118/04		
14. Kevin B. Umohren	Control Room Supervisor C	DERV	<u> </u>		
15. TAY GAINES	Control Rom Suprevisor	Jako	2/4/04		
<i>√</i> = 100 m s		(). ⁻	, ,		

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ES-20	1

Examination Security Agreement

Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of which is of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC. 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 of 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 ______. 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	NOT
1.	Row Hammans	Serion Re	ALTEN OPERAN CRS	Va2ll	1-6-57		,	
2.	BOR HOWARTH	5500	CRO ····	R. Toward	1-7.04			
3.	BOB HOWARTH Julie SICKLE	Transing	Manager	OB SCORE	2-9-04			
4.				\mathcal{O}				
5.		AND ST	23004					
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I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 223 124 3 3 so of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		0,01	9/11/03	news	3/4/04
1. Michael Wasem	_ Exam developer	(he wase			
2. CHRISTOPHER ITER		(Kingstyll)	10/14/63	dillette for	3/3/04
3. Domenic F, LAVATO	, SUPV-RTU/FACILITY REP	ictiquate	10/30/03	Coupte (314/04
4. JAMES C. Kellum	- Sr. Opr. Inst.	1-9XII	11/6/3	fare the	3/4/4
5. EDMUND A. CHEZAGE	with sim supposed week LEADER C	Land Chyung	4/12/03	Ed Chromos	3/4/04
6. Karen Lefton	Sr Admin Asst	dans sigt	13/3/6 <u>2</u> \	a blue to paralotto	
7. DAVID SULA-	LUPT CRO	1 7 7	11.3.03	1 Santoy An	2.4.09
8. Richard D. Gretz		A fixed that	12-5.03	The The	3-4-04
9. Justin R. Tupk	ST-SRO	1-1/	12-10-03	1/2/	3-4-04
10. ERUIN LYSON	CONTROL DOWN OPCRATOR /		12.17.03	JF 62/	3.4.64
11. Robin M. Day	Training Program Specialist	John m lby	<u>12-18-03 (</u>	JUDU DAN	3,4/04
12. MICHAEL J FICK	LORT INSTRUCTOR	Michael J. Fick	12/31/03	Michaely Fick	3/4/64-
13 Janes T. Huber	LORT INSRUCTOR	Shore 5 Star	1/8/04_	Soft	3/4/04
14. Kevin B. Umohre		DEQ.	<u>ટીવો૦વ</u>	US529	3\H_0H
15. JAY GAINES	Control Rom Suprevisor	Jaco	<u> 2/4/04</u>	John	3/4/04
4 8	J.	U	,	()	•
	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			•	

ES-201

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

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of ______. 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. Row Hammans	Serion Reacon Operanicas	V22ll	1-6-03	Ruckey	- 3 5 -cy
2. BOB HOWARTH	SSWG CRO	R. Howarlot	1-7.09	R. Howard	3-5-04
3. Julie Sickle	Training Manager	DA STREET	2-9-04	CASALINE!	3-4-04
4. Brian Hayden	SUPV-LOI	48 Attailed	3-1-04	3 Others	3-4-09
5. 120pg Mills	GSAPO	Chief	3-1-04	Whi	3-4-4
6. RROW ALUFY	Com TECH	hat del	3-1-64	Share >	3-4-04
7. DAVID A. Gittens	COMPUTER MAINT	David a tetter	3-1-04	KANFOR DAGINE	75 3.4.4 '
8. EVERETIR, SMITH	CM SUPERVISOR	TORLA	3,1.04	CutRIL	3.4.4
9. MACK A THUMSON	IT Analyst	TOIA Tisongen	3.1.04	mort lugger	3,1.04
10. GIENN S JOY	INST TONG	the Am	3204	Al-XXX	3.4.04
11. Denise Nelson	Regnal	Thelson	3-4-04	Julson	3.4.04
12. M 3404				· · · · · · · · · · · · · · · · · · ·	
13. Julie SICKIE 11	Training Manager	Julie Selly	3-404	Ballele	3-4-04
14		_//			
15		<i>V</i>			
\$ 1800 P	· ·				

Operating Test Quality Checklist Form

ES-301-3

Faci	lity: Date of Examination: Op	erating Te	st Number	:
			Initials	
	1. GENERAL CRITERIA	a	b*	c#
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).	men	खर	1
b)	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	mew	难	r
c)	The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	men	TOE	1
d)	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	men	在	V
e)	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	new	the	1
	2. WALK-THROUGH CRITERIA	•	-	-
a)	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 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	men	西	a constant of the constant of
b)	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.	MEW	西	r
c)	At least 20 percent of the JPMs on each test are new or significantly modified.	men	to	1
	3. SIMULATOR (CATEGORY C) CRITERIA	-	-	_
a)	The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	Mel	Œ	1
	Printed Name / Signature		Date)
b. I	Author Facility Reviewer(*) NRC Chief Examiner (#) NRC Supervisor Author Domenic F. Lavato / Otawato RC Carte / Domenic F. Lavato / T. 24 ~ 10 ~ 10 ~ 10 ~ 10 ~ 10 ~ 10 ~ 10 ~ 1		1/16/6	04 104 104
NO.	TE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.			

Facility:	CCNAP	Date of Exam: 3/37/04 Scenario Nu	mbers: / 12/3*Opera	ating T	est No	: /	
	QUALITATIVE ATTRIBUTES						
				a	b⁺	<u>c</u> #	
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.						
2.	The scenarios consist	mostly of related events.		R	在	a	
3.	the malfuncti the symptom the expected	consists of the scenario when it is to be initiated ion(s) that are entered to initiate the event is/cues that will be visible to the crew I operator actions (by shift position) mination point (if applicable)		M	産	v	
4.		-mechanistic fallure (e.g., pipe break) is incorporate eding incident such as a seismic event.	d into the scenario	M.	麽	2	
5.	The events are valid w	ith regard to physics and thermodynamics.	or the second	1	奄	e e	
6.		g of events is reasonable, and allows the examination sults commensurate with the scenario objectives.	on team to obtain	R	百	2	
7.	If time compression tendance sufficient time to given.	o indicates. Operators enstraints. Cues are	NA	N/A	NIA		
8.	The simulator modelin	g is not altered.		K	the	V	
9.	The scenarios have be performance deficienc while running the plant	een validated. Pursuant to 10 CFR 55.46(d), any opies have been evaluated to ensure that functional fined scenarios.	pen simulator delity is maintained	R	百	N	
10.		evaluated using at least one new or significantly mo seen altered in accordance with Section D.45 of ES		K	百	o	
11.	All individual operator the form along with the	competencies can be evaluated, as verified using F e simulator scenarios).	form ES-301-6 (submit	4	100	A	
12.	Each applicant will be specified on Form ES-	significantly involved in the minimum number of tra 301-5 (submit the form with the simulator scenarios	nsients and events	K	TE	9	
13.	The level of difficulty is	s appropriate to support licensing decisions for each	crew position.		the	1	
TARGE D. 4.D 5.		RIBUTES (PER SCENARIO; SEE SECTION	Actual Attributes				
1.	Total malfunctions (5-	8)	7 8 18				
2.	Malfunctions after EO	P entry (1-2)	2 1313				
3.	Abnormal events (2-4)		21212				
4.	Major transients (1-2)		2 1211				
5.	EOPs entered/requiring	ng substantive actions (1-2)	1111	<u> </u>			
6.	EOP contingencies re	quiring substantive actions (0-2)	0 1110				
7.	Critical tasks (2-3)		2 1212				

* Scenario #3 isa spare.

Facility:	CONPP Date of Exam: 2/27/04 Scenario Numb	ers: 1 Opera	ating T	est No.	:/
	QUALITATIVE ATTRIBUTES			Initials	
			а	b*	c#
1.	The initial conditions are realistic, in that some equipment and/or instrumenta service, but it does not cue the operators into expected events.	tion may be out of	K	在	1
2.	The scenarios consist mostly of related events.		1	阪	
3.	Each event description consists of the point in the scenario when it is to be initiated the malfunction(s) 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)		L	VE	V
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated in without a credible preceding incident such as a seismic event.	nto the scenario	M	肱	1
5.	The events are valid with regard to physics and thermodynamics.	The state of the s	W.	瓯	1
6.	Sequencing and timing of events is reasonable, and allows the examination to complete evaluation results commensurate with the scenario objectives.	eam to obtain	K	在	1
7.	 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. 				
8.	The simulator modeling is not altered.		M	五	N
9.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open performance deficiencies have been evaluated to ensure that functional fidel while running the planned scenarios.		K	E	N
10.	Every operator will be evaluated using at least one new or significantly modif other scenarios have been altered in accordance with Section D.45 of ES-30	ed scenario. All 1.	h	瓪	N
11.	All individual operator competencies can be evaluated, as verified using Forr the form along with the simulator scenarios).	n ES-301-6 (submit	1	西	1
12.	Each applicant will be significantly involved in the minimum number of transi- specified on Form ES-301-5 (submit the form with the simulator scenarios).	ents and events	1	Ø.	1
13.	The level of difficulty is appropriate to support licensing decisions for each cr	ew position.		1602	9
TARGE D.4.D5.	T QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION	Actual Attributes			
1.	Total malfunctions (5-8)	7 , ,			
2.	Malfunctions after EOP entry (1-2)	211			
3.	Abnormal events (2-4)	311	1		<u> </u>
4.	Major transients (1-2)	211		<u> </u>	
5.	EOPs entered/requiring substantive actions (1-2)	1 1 1			<u> </u>
6.	EOP contingencies requiring substantive actions (0-2)	011	1_		
7.	Critical tasks (2-3)	211]

* Scenario 4 is a Low power spare

OPERATING TEST NO.: 1

										
Applicant Type	Evolution Type	Minimum Number			Sc					
) Type	i ype	Number	1		:	2	3			1
			RO	вор	RO	BOP	RO	вор҈	. RO	ВОР
	Reactivity	1*	4		5			14 A	1	-
	Normal	1*		4	ا ب	5	<u></u>	1_		1
RO	Instrument / Component	4*	1,3	2,5	2,3	1,4	3,4,7	2,5,7	3,5	2,4
	Major	1	6,7	6,7	6,7	6,7	6	6	6,7	6,7
			T /	1 14 1		,		514.11155 KA 593	S. Suntan	
	Reactivity	1*	4		5		1		1	
1	Normal	0		4	_	5		1	_	1
As RO	Instrument / Component	2*	1,3	2,5	1,3	2,5	3,4,7	2,5,7	2-5	2-5
	Major	1	6.7	6,7	6,7	67	6	6	6,7	6,7
SRO-I										
	Reactivity	0	_	_					_	_
	Normal	1*	4	4	5	5	(1	1	1
As SRO	Instrument / Component	2*	1-3,5	1-3,5	1-4	1-4	2-5,7	2-5,7	2-5	2-5
	Major	1	6,7	6,7	6,7	6.7	6	6	6,7	6,7
		T		· ·						
	Reactivity	0	1-	<u> </u>	-		\	-	_	_
	Normal	1*	4	4.	5	5	1/_		1	1_
SRO-U	Instrument / Component	2*	1-3,5	1-3,5	1-4	1-4	2-5,1	2-5,7	2-5	2-5
	Major	11	6,7	6,7	6,7	6,7	6	6	6,7	6,7

Instructions:

(1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.

(2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.45.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 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 requirement.

Author:

NRC Reviewer:

NUREG-1021, Draft Revision 9

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	· · · · · · · · · · · · · · · · · · ·											
	SRO-Applicant #1 RO/SRO-I/SRO-U			RO -Applicant #2 RO/SRO-I/SRO-U				BOP -Applicant #3 RO/SRO-I/SRO-U				
Competencies	SCENARIO			SCENARIO				SĈENARIO				
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	**			1				1			_	.
Interpret / Diagnose Events and Conditions	1-7	1-7	2-7	2-7	1,3,4, 5-7	1-7	3-7	3, 5-7	2, 4-7	J 3-7	2, 5-7	2; 4-7
Understand Plant and System Response			<u> </u>			}	•	_		? })	1
Comply With and Use Procedures (1)	1-7	1-7	1-7	1-7	1,3,4, 6,7	1-7	1, 3-7	1,3 4-7	2, 4-7	1, 4-7	1,2, 5-7	1,2, 4-7
Operate Control Boards (2)	1-7	1-7	1-7	1-7	1-4,	2-7	1, 3-7	1, 3-7	2-7	1, 4-7	1,2, 5-7	1,2,
Communicate and Interact With the Crew	1-7	1-7	1-7	1-7		1-7	1, 3-7	1, 3-7	1-7	1,	1,2, 5-7	1,2,
Demonstrate Supervisory Ability (3)	1-7	1-7	1-7	1-7	N/A	NA	MA	NA	NA	MA	NA	NA
Comply With and Use Tech. Specs. (3)	3	1	4	1, 3,5	MA	N/A	NA	NA	N/A	NA	MA	N/1

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Instructions:

Circle the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Author:

NRC Reviewer:

	CCNPP		of Exam					vel: RC	
		Item Description					а	b*	C [#]
1.	Questions and answers to	· · · · · · · · · · · · · · · · · · ·	MLW	The	1				
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available								V.
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401								N
4.	Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process							あ	1
5.	Question duplication from the license 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 the licensee certifies that there is no duplication; or X other (explain)								N
6.	Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual RO / SRO-only question distribution(s) at right		Bank	Modi	dified New				
			भाग	911 42114		42114	new	旭	9
7.	Between 50 and 60 percethe RO exam (including 1 written at the comprehens	Memory C/A							
	SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right		31/10 44		4115	new)	ite	1	
8.	References/handouts pro	vided do not give away a	nswers				rew	西	a
9.	Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified								2
10.	Question psychometric quality and format meet ES, Appendix B, guidelines								12
11.	The exam contains 100, the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet								1
c. NRC	or ity Reviewer (*) Chief Examiner (#) Regional Supervisor	Printed Cichice L. Was Somenic F. Lowati Pholin I J. 29 R. J. Cinte	Name / S	ignatu Mila Blav	ato	<u> </u>		Di 116 117 12	104 604 20/04

The Calvert Cliffs 2004 Audit Exam was based on the July 2002 Initial License Exam. The license exam was reviewed, modified and edited by an independent exam team consisting of LOIT instructors. There was no collaboration between the audit exam team and the 2004 Initial Exam team. The Initial Exam author selected no questions used on the 2002 exam for the 2004 exam.

mars Molar

AFTER VALCOSTEON WEEN-AND

ES-401

Written Examination Quality Checklist

Form ES-401-76

Facility:	Date	of Exam			Е	xam Le	vel: RO	/SRO	
							Initial		
	Item Description				<u> </u>	a 🌣	` b*	c#	
1.	Questions and answers technically accurate and a		Was.						
2.	a. NRC K/As referenced for all questionsb. Facility learning objectives referenced as availa			į					
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401							200	
4.	Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process								
5.	Question duplication from the license screening/au indicated below (check the item that applies) and a the audit exam was systematically and randoml the audit exam was completed before the licens the examinations were developed independent the licensee certifies that there is no duplication other (explain)								
6.	Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the	Bank	Modi	ified	New				
:	rest modified); enter the actual RO / SRO-only question distribution(s) at right	22110 811		/1	45114				
7.	Between 50 and 60 percent of the questions on the RO exam (including 10 new questions) are written at the comprehension/analysis level; the	Memory C/A		C/A					
	SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right	34/	11 41/14		1/14				
8.	References/handouts provided do not give away a	nswers	~~~~~~						
9.	Question content conforms with specific K/A states approved examination outline and is appropriate for assigned; deviations are justified								
10.	Question psychometric quality and format meet ES	S, Append	dix B, g	uidelin	es			<u>.</u>	
11.	The exam contains 100, the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet								
	Printed	Name / S	Signatu	ıre			D	ate	
c. NRC									
Note:	* The facility reviewer's initials/signature are not a								

ES-403

Written Examination Grading Quality Checklist

Form ES-403-1

Facilit	y:	Date of Exam:	Exam Le	evel: R	O/SRO					
			્રામાંઘાક							
	lte	a	b	С						
1.	Clean answer sheets	mew	1	1						
2.	Answer key changes documented	mul	H	9						
3.	Applicants' scores ch (reviewers spot chec	hw	W	1						
4.	Grading for all borde 4% on the SRO-only	hew	H	r						
5.	All other failing exam	NIA	N/A	da						
6.	Performance on miss deficiencies and work questions missed by	new	A	1						
				Date						
a. Gr	ader	 -	3/	5/04						
b. Fa	cility Reviewer(*)		3-5	-04						
c. NF	RC Chief Examiner (*)		3/	117/04						
d. NF	RC Supervisor (*)	R.J. Conto 1695 Con	}_	3/	13/41					
(*)	(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.									