

Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	c#
W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	A	AW	SP
	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.	A	AW	P
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	A	AW	SB
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	A	AW	SB
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.	A	AW	SB
	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.	A	AW	SB
	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.	A	AW	SB
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 (3) 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.	A	AW	SB
	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	A	KAD	P
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	A	AW	SB
G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	A	AW	SB
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	A	AW	P
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	A	AW	SB
	d. Check for duplication and overlap among exam sections.	A	AW	SB
	e. Check the entire exam for balance of coverage.	A	AW	SB
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	A	AW	SB
a. Author	<u>Jan Michael Ferguson</u>	Printed Name/Signature	<u>Jan Michael Ferguson</u>	Date
b. Facility Reviewer (*)	<u>P.L. Kelly</u>		<u>KERRY H. WEIBITT</u>	<u>11/10/04</u>
c. NRC Chief Examiner (#)	<u>DEREK T. BARR</u>		<u>J. Barr</u>	<u>12/29/04</u>
d. NRC Supervisor				

Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.

Enclosed please find a copy of original security agreement with original signatures (SIGNATURE (2) column) for

- Matt Forrest
- Scott Morrow
- Richard O'Connor

Per previous agreement these are forwarded to the Chief Examiner.

RECEIVED
REGION 1

'05 FEB 17 P 1:40

Note: Tom Hunt signature is a facsimile. Mr. Hunt is the Licensed Operator Initial Training Supervisor at FPL's St. Lucie plant and performed an ES-401-9 review of the written examination materials as part of the facility examination development.

Also please note that Scott Morrow, Richard O'Connor, and Matt Forrest are all part of Operations Crew 'D' that performed the exam validation. They are presently on vacation. By previous agreement with the Chief Examiner these individuals will sign a copy of the exam security agreement upon their return. This will then be forwarded to the Chief Examiner.

COPY OF ORIGINAL WITH 2/14/05

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 1/31/05 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 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 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 1/31/05. 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. <u>Jan Michael Forbes</u>	<u>Ops Instructor / Exam Developer</u>	<u>[Signature]</u>	<u>8/23/04</u>	<u>[Signature]</u>	<u>2/1/05</u>	
2. <u>KERRY P. WRIGHT</u>	<u>OPS TRK SUV / POS</u>	<u>[Signature]</u>	<u>10/4/04</u>	<u>[Signature]</u>	<u>2/4/05</u>	
3. <u>LOU HUBBARD</u>	<u>Sim Developer</u>	<u>[Signature]</u>	<u>10/19/04</u>	<u>[Signature]</u>	<u>2/4/05</u>	
4. <u>TOM HUNT</u>	<u>OPSTAG SUPV / PSL</u>	<u>[Signature]</u>	<u>10/15/04</u>	<u>PREVIOUSLY SIGNED</u>		
5. <u>MATT FORREST</u>	<u>UNIT SUPERVISOR</u>	<u>[Signature]</u>	<u>11/29/04</u>	<u>[Signature]</u>		
6. <u>DAMON RITTER</u>	<u>SHIFT MANAGER</u>	<u>[Signature]</u>	<u>11/27/04</u>	<u>[Signature]</u>	<u>2/9/05</u>	
7. <u>Scott Murray</u>	<u>CRU</u>	<u>[Signature]</u>	<u>11/29/04</u>	<u>[Signature]</u>	<u>2/14/05</u>	
8. <u>RICHARD CONNOR</u>	<u>OPS TRAINING INSTRUCTOR</u>	<u>[Signature]</u>	<u>11/29/04</u>	<u>[Signature]</u>	<u>2-14-05</u>	
9. <u>ALICIANA FURMAN</u>	<u>SIM SUPPORT MANAGER</u>	<u>[Signature]</u>	<u>11/29/04</u>	<u>[Signature]</u>	<u>2/1/05</u>	
10. <u>Janice Desmond</u>	<u>Ops Instructor</u>	<u>[Signature]</u>	<u>12/7/04</u>	<u>[Signature]</u>	<u>2/8/05</u>	
11. <u>Sean M. Riley</u>	<u>SRO</u>	<u>[Signature]</u>	<u>12/3/04</u>	<u>[Signature]</u>	<u>2/8/05</u>	
12. <u>Steve Kessinger</u>	<u>Instructor</u>	<u>[Signature]</u>	<u>12/7/04</u>	<u>[Signature]</u>	<u>2/8/05</u>	
13. <u>MARK BENNETT</u>	<u>INSTRUCTOR</u>	<u>[Signature]</u>	<u>12/2/04</u>	<u>[Signature]</u>	<u>2/10/05</u>	
14. <u>JYE-YUH LEE</u>	<u>Engineer</u>	<u>[Signature]</u>	<u>12/20/04</u>	<u>[Signature]</u>	<u>2/4/05</u>	
15. <u>Ed Mann</u>	<u>Ops Instructor / (OIT Program) Coordinator</u>	<u>[Signature]</u>	<u>1/2/05</u>	<u>[Signature]</u>	<u>2/4/05</u>	

NOTES:

High Hawkins
Robbie Duarte

OPS 105T
OPERATIONS INTRACOMMUNICATIONS

Signed in error, please see line 7 above
Ken Doyle 2-14-05

Scott Murray CRU

1/31/05 [Signature] 2/4/05
1/31/05 [Signature] 2/4/05

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 1/31/05 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 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 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 1/31/05. 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.	<u>Ken Doyle</u>	<u>Instructor/LOIT</u>	<u>[Signature]</u>	<u>1-31-05</u>	<u>[Signature]</u>	<u>2-04-05</u>
2.	<u>CJ WING</u>	<u>INSTRUCTOR / LOIT</u>	<u>[Signature]</u>	<u>1-31-05</u>	<u>[Signature]</u>	<u>02-11-05</u>
3.	<u>Michael Bredull</u>	<u>Instructor / LOIT</u>	<u>[Signature]</u>	<u>2/2/05</u>	<u>[Signature]</u>	<u>2/9/05</u>
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NOTES:

ES-201

Examination Security Agreement

Form ES-201-3

1. Pre-Examination

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1. Ian Michael Forbes	Ops Instructor / Exam Developer	[Signature]	8/23/04	[Signature]	2/1/05
2. KERRY P. WRIGHT	OPS TEL ROOM POS	[Signature]	10/14/04	[Signature]	2/1/05
3. Les HARRIS	Sim Developer	[Signature]	10/14/04	[Signature]	2/1/05
4. TAM HART	OPS TEL SUPV / PSL	[Signature]	11/15/04	[Signature]	2/1/05
5. MATT FORREST	UNIT SUPERVISOR	[Signature]	11/23/04	[Signature]	
6. DAMON RITTU	SHIFT MANAGER	[Signature]	11/23/04	[Signature]	2/1/05
7. Scott Morrow	CRU	[Signature]	11/23/04	[Signature]	
8. RICHARD CONAGHAN	OPS TRAINING INSTRUCTOR	[Signature]	11/23/04	[Signature]	
9. MICHAEL FURNACE	Sim Support / Instructor	[Signature]	11/23/04	[Signature]	2/1/05
10. LOUISE DEAN	Ops Instructor	[Signature]	12/7/04	[Signature]	2/1/05
11. SEAN M. RILEY	SRO	[Signature]	12/13/04	[Signature]	2/1/05
12. Steve Keessinger	INSTRUCTOR	[Signature]	12/17/04	[Signature]	2/1/05
13. MARK NEWBERG	INSTRUCTOR	[Signature]	12/17/04	[Signature]	2/1/05
14. JEFFREY LEE	INSTRUCTOR	[Signature]	12/20/04	[Signature]	2/1/05
15. Ed MANN	OPS INSTRUCTOR / IRT Program Coordinator	[Signature]	1/1/05	[Signature]	2/1/05

NOTES:

High Hawkins
Richard DEWATE

OPS INST
OPERATIONS WORK CENTER

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2. KERRY P. WRIGHT	OPS TRN STAFF POS	<i>[Signature]</i>	10/4/04	<i>[Signature]</i>	2/4/05	
3. Lou HUBBARD	Sim Developer	<i>[Signature]</i>	10/19/04	<i>[Signature]</i>	2/4/05	
4. Tom Hunt	OPSTEC SUPV / PSL	<i>[Signature]</i>	10/17/04			
5. MATT FORREST	UNIT SUPERVISOR	<i>[Signature]</i>	11-29-04			
6. DAMON RITTER	SHIFT MANAGER	<i>[Signature]</i>	11/29/04	<i>[Signature]</i>	2/9/05	
7. Scott Morrow	CRO	<i>[Signature]</i>	11/29/04			
8. RICHARD CONNORS	OPS TRAINING INSTRUCTOR	<i>[Signature]</i>	11/29/04			
9. ALSHANA FURMAN	SIM SUPPORT MANAGER	<i>[Signature]</i>	11/29/04	<i>[Signature]</i>	2/15/05	
10. Janice Desmond	Ops Instructor	<i>[Signature]</i>	12/7/04	<i>[Signature]</i>	2/8/05	
11. Sean M. Rye	SRO	<i>[Signature]</i>	12/14/04	<i>[Signature]</i>	2/8/05	
12. Steve Kessinger	INSTRUCTOR	<i>[Signature]</i>	12/17/04	<i>[Signature]</i>	2/8/05	
13. MARK DENNETT	INSTRUCTOR	<i>[Signature]</i>	12/17/04	<i>[Signature]</i>	2/10/05	
14. JEFFREY LEE	ENGINEER	<i>[Signature]</i>	12/20/04	<i>[Signature]</i>	2/4/05	
15. Ed Mamm	ops instructor / Unit Program Coordinator	<i>[Signature]</i>	1/4/05	<i>[Signature]</i>	2/4/05	
High Hawkins	OPS POST	<i>[Signature]</i>	1/31/05	<i>[Signature]</i>	2/4/05	
Robert Duran	OPERATIONS WORK CENTER	<i>[Signature]</i>	1/31/05	<i>[Signature]</i>	2/4/05	

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1.	Ken Doyle	Instructor/LOIT	<i>Ken Doyle</i>	1-31-05	<i>Ken Doyle</i>	2-04-05	
2.	CT WING	INSTRUCTOR / LOIT		1-31-05		02-11-05	
3.	Michael Bradull	Instructor / LOIT	<i>Michael Bradull</i>	2/2/05	<i>Michael Bradull</i>	3/19/05	
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3. GUY HUBBARD	Sim Developer	[Signature]	10/29/04	[Signature]	2/1/05	
4. TAM HUNT	OPS TRNG SUPT / PSL	[Signature]	10/29/04	[Signature]	2/1/05	
5. MATT FORREST	UNIT SUPERVISOR	[Signature]	11/29/04	[Signature]	2/1/05	
6. DAMON RITTU	SHIFT MANAGER	[Signature]	11/29/04	[Signature]	2/1/05	
7. Scott Morrow	CRU	[Signature]	11/29/04	[Signature]	2/1/05	
8. RICHARD CONAGHAN	Ops Training Instructor	[Signature]	11/29/04	[Signature]	2/1/05	
9. NICKIANG FURNACE	Sim Support Manager	[Signature]	01/09/05	[Signature]	2/1/05	
10. Joanne Demaray	Ops Instructor	[Signature]	12/2/04	[Signature]	2/1/05	
11. JOHN M. RILEY	SRO	[Signature]	12/3/04	[Signature]	2/1/05	
12. Steve Seeringer	Instructor	[Signature]	12/7/04	[Signature]	2/1/05	
13. MARK HENNETT	Instructor	[Signature]	12/16/04	[Signature]	2/1/05	
14. JEFFREY LEE	Instructor	[Signature]	12/20/04	[Signature]	2/1/05	
15. Ed Mann	Ops Instructor / OIT Program Coordinator	[Signature]	1/2/05	[Signature]	2/1/05	

NOTES:

High Hawkins
Roster Update

ops inst

operations work center

Note: Tom Hunt signature is a facsimile. Mr. Hunt is the Licensed Operator Initial Training Supervisor at FPL's St. Lucie plant and performed an ES-401-9 review of the written examination materials as part of the facility examination development.

Also please note that Scott Morrow, Richard O'Connor, and Matt Forrest are all part of Operations Crew 'D' that performed the exam validation. They are presently on vacation. By previous agreement with the Chief Examiner these individuals will sign a copy of the exam security agreement upon their return. This will then be forwarded to the Chief Examiner.

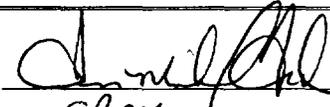
Facility: Seabrook		Date of Exam: 1/31/05		Operating Test Number: 2005 NRC Exam	
1. General Criteria			Initial		
			a	b*	c#
a)	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).		A	PH	SB
b)	There is no day-to-day repetition between this and other operating tests to be administered during this examination.		A	PH	SB
c)	The operating test shall not duplicate items from the applicant's audit test(s). (see Section D.1.a)		A	PH	SB
d)	Overlap with the written examination and between different parts of the operating test is within acceptable limits.		A	PH	SB
e)	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.		A	PH	SB
2. Walk-Through Criteria			---	---	---
a)	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> • Initial conditions' • Initiating cues • References and tools, including associated procedures • Reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee. • Operationally important specific performance criteria that include: <ul style="list-style-type: none"> <input type="checkbox"/> Detailed expected actions with exact criteria and nomenclature <input type="checkbox"/> System response and other examiner cues <input type="checkbox"/> Statements describing important observations to be made by the applicant <input type="checkbox"/> Criteria for successful completion of the task <input type="checkbox"/> Identification of critical steps and their associated performance standards <input type="checkbox"/> Restrictions on the sequence of steps, if applicable 		A	PH	SB
b)	Ensure that any changes from the previously approved system and administrative walk-through outlines (Forms ES-303-1 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 ES-201-2.		A	PH	SB
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.			A	PH	SB
		Printed Name/Signature	Date		
a)	Author	Jan Michael Forbes / <i>[Signature]</i>	12/19/04		
b)	Facility Reviewer (*)	Kacey P. Wright / <i>[Signature]</i>	12/19/04		
c)	NRC Chief Examiner (#)	T. Barr / STEPHEN T. BARR	01/24/05		
d)	NRC Regional Supervisor	TODD FISH / <i>[Signature]</i> for R Conte	1/26/05		
Note:		* The facility's signature is not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.			

Facility: Seabrook		Date of Exam: 1/31/05		Scenario Numbers: 1 / 2 / 3 / 4		Operating Test No: NRC EXAM 2005	
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.				A	KPW	SB	
2. The scenarios consist mostly of related events.				A	KPW	SB	
3. Each event description consists of: <ul style="list-style-type: none"> 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) 				A	KPW	SB	
4. No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.				A	KPW	SB	
5. The events are valid with regard to physics and thermodynamics.				A	KPW	SB	
6. Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with scenario objectives.				A	KPW	SB	
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.				A	KPW	SB	
8. The simulator modeling is not altered.				A	KPW	SB	
9. 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.				A	KPW	SB	
10. Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.5 of ES-301.				A	KPW	SB	
11. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit form along with the simulator scenarios).				A	KPW	SB	
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).				A	KPW	SB	
13. The level of difficulty is appropriate to support licensing decisions for each crew position.				A	KPW	SB	
Target Quantitative Attributes (Per Scenario; See Section D.5.d)				Actual Attributes			
1. Total Malfunctions (5-8)				8 / 6 / 6 / 7	A	KPW	SB
2. Malfunctions after EOP entry (1-2)				3 / 3 / 2 / 2	A	KPW	SB
3. Abnormal Events (2-4)				3 / 2 / 2 / 2	A	KPW	SB
4. Major Transients (1-2)				2 / 1 / 2 / 3	A	KPW	SB
5. EOPs entered/requiring substantive actions (1-2)				2 / 3 / 2 / 3	A	KPW	SB
6. EOP contingencies requiring substantive actions (0-2)				1 / 1 / 2 / 2	A	KPW	SB
7. Critical Tasks (2-3)				2 / 2 / 3 / 2	A	KPW	SB

Facility: SEABROOK		Date of Exam: 1/31/05						Operating Test No: NRC Exam 2005							
A P P L I C A N T	E V E N T T Y P E	Scenarios													
		1			2			3			4			T O T A L	M I N I M U M
		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		
SRO-I #1/2/3	RX	0				1								1	1*
	NOR	1				0								1	1*
	I/C	5				3								8	4*
	MAJ	2				1								3	2
	TS	2				0								2	2
RO #1/3/5	RX		1				0							1	1*
	NOR		0				1							1	1*
	I/C		3				2							5	4*
	MAJ		2				1							3	2
	TS		N/A				N/A							N/A	2
SRO-I #5	RX		1			0								1	1*
	NOR		0			1								1	1*
	I/C		3			3								6	4*
	MAJ		2			1								3	2
	TS		0			3								3	2
RO #2	RX			0		1								1	1*
	NOR			1		0								1	1*
	I/C			4		3								7	4*
	MAJ			2		1								3	2
	TS			N/A		N/A								N/A	2

Instructions:

1. Circle 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 SRO's must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* 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.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirement.

Author:  11/09/04 

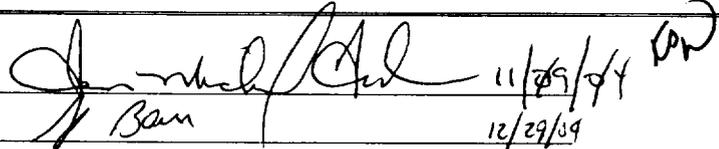
NRC Reviewer: SBan 12/29/04

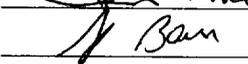
Facility: SEABROOK Date of Exam: 1/31/05 Operating Test No: NRC EXAM 2005

A P P L I C A N T	E V E N T T Y P E	Scenarios													
		1			2			3 **			4			T O T A L	M I N I M U M
		Crew Position			Crew Position			Crew Position			Crew Position				
		S R O	A T C	B O P											
SRO-I #6	RX				0				1					1	1*
	NOR				1				0					1	1*
	I/C				3				3					6	4*
	MAJ				1				2					3	2
	TS				3				0					3	2
RO #4/6/7	RX			0					1					1	1*
	NOR			1					0					1	1*
	I/C			4					3					7	4*
	MAJ			2					2					4	2
	TS			N/A					N/A					N/A	2
SRO-I #4	RX	0							1					1	1*
	NOR	1							0					1	1*
	I/C	5							3					8	4*
	MAJ	2							2					4	2
	TS	2							0					2	2

Instructions:

- Circle 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 SRO's must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* 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 requirement.

Author:  11/29/04 (AP)

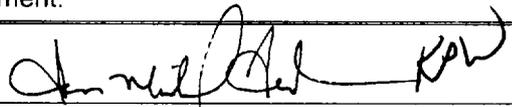
NRC Reviewer:  12/29/04

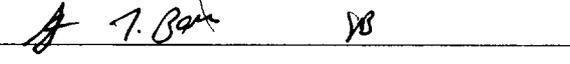
** Scenario #3 to be used on 3rd simulator day to evaluate candidates at ATC. Surrogates will be used in other crew positions (US/BOP).

Facility: SEABROOK		Date of Exam: 1/31/05						Operating Test No: NRC EXAM 2005								
A P P L I C A N T	E V E N T T Y P E	Scenarios														
		1			2			3 **			4			T O T A L	M I N I M U M	
		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			
SRO-I #6	RX				0					1					1	1*
	NOR				1					0					1	1*
	I/C				3					3					6	4*
	MAJ				1					2					3	2
	TS				3					0					3	2
RO #4/6/7	RX			0						1					1	1*
	NOR			1						0					1	1*
	I/C			4						3					7	4*
	MAJ			2						2					4	2
	TS			N/A						N/A					N/A	2
SRO-I #4	RX	0								1					1	1*
	NOR	1								0					1	1*
	I/C	5								3					8	4*
	MAJ	2								2					4	2
	TS	2								0					2	2

Instructions:

- Circle 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 SRO's must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* 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 requirement.

Author: 

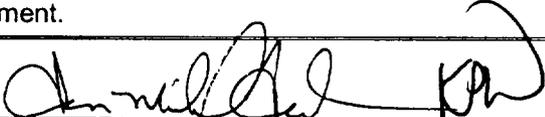
NRC Reviewer: 

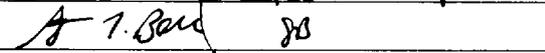
** Scenario #3 to be used on 3rd simulator day to evaluate candidates at ATC. Surrogates will be used in other crew positions (US/BOP).

Facility: SEABROOK		Date of Exam: 1/31/05						Operating Test No: NRC EXAM 2005							
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		
SRO-I	RX												1	1	1*
	NOR												1	1	1*
	I/C												4	4	4*
	MAJ												3	3	2
	TS												2	2	2
RO	RX												1	1	1*
	NOR												1	1	1*
	I/C												2	2	4*
	MAJ												3	3	2
	TS												N/A	N/A	2
BOP	RX												0	0	1*
	NOR												1	1	1*
	I/C												2	2	4*
	MAJ												3	3	2
	TS												N/A	N/A	2

Instructions:

1. Circle 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 SRO's must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* 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.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirement.

Author: 

NRC Reviewer: 

Note that this reflects our projected spare scenario only and is provided at the Lead Examiners request. Numbers do not reflect event number but rather actual number of event types/attributes.

Facility: Seabrook		Date of Examination: 1/31/05						Operating Test No.: 2005				
Competencies	Applicants											
	RO				SRO-I				BOP			
	Scenario				Scenario				Scenario			
	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	3,5	1,3 4	2,3 4,5	1,2 4,5	1,2 3,4 5	all	all	all	2,4 5,6	2,4	1,4	3 4 5
Comply With and Use of Procedures (1)	1,3 4,5	1,3 4,5	2,3 4,5	1,2 4,5	all	all	all	all	1,2 4,5	2,4	1,4	3 4 5
Operate Control Boards (2)	1,2 3,4 5	1,3 4,5	2,3 4,5	1,2 4,5	X	X	X	X	1,4 5,6	1,2 4,5	1,2 4	3 4 5
Communicate and Interact	1,3 4,5	1,3 4,5	2,3 4,5	1,2 4,5	all	all	all	all	1,2 4,5 6	1,2 4,5	1,2 4,5	3 4 5
Demonstrate Supervisory Ability (3)	X	X	X	X	1,2 3,4 5	all	all	all	X	X	X	X
Comply With and Use of Tech. Specs. (3)	X	X	X	X	2,3	1,2 3	3	1,2	X	X	X	X
Notes:												
(1) Includes Technical Specification Compliance for an RO.												
(2) Optional for SRO-U.												
(3) Only applicable to SROs.												

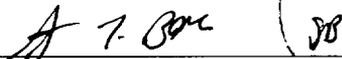
Instructions:

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:



Facility: Seabrook		Date of Exam: 1/31/05		Exam Level: RO&SRO		
Item Description	Initial					
	a	b*	c*			
1. Questions are technically accurate and applicable to the facility.	A	KPW	SB			
2. a. NRC K/A's are referenced for all questions. b. Facility learning objectives are referenced as available.	A	KPW	SB			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	A	KPW	SB			
4. If more than four RO and two SRO questions are repeated from the last two NRC licensing exams, the facility licensee's sampling process was random and systematic.			SB			
5. Question duplication from the license screening/audit examination was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> The audit exam was systematically and randomly generated. <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 there was no duplication. <input type="checkbox"/> Other (explain).	A	KPW	SB			
6. Bank use meets limits (no more than 75% from bank; at least 10 % new, and the rest new or modified); enter the actual RO/SRO-only question distribution(s) at right.	Bank	Modified	New	A	KPW	SB
	33/9	12/4	30/12			
7. Between 50 and 60% of the questions on the RO exam are written at the comprehension/analysis level; the SRO exam may exceed 60% if the randomly selected K/As support the higher cognitive levels; enter the actual RO/SRO question distribution(s) at right	Memory	C/A		A	KPW	SB
	35/9	40/16				
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	A	KPW	SB			
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.	A	KPW	SB			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	A	KPW	SB			
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.	A	KPW	SB			
a) Author	Printed Name/Signature			Date		
b) Facility Reviewer (*)	Jan Michael Forbes / <i>[Signature]</i>			12/19/04		
c) NRC Chief Examiner (#)	KERRY P. WRIGHT / <i>[Signature]</i>			12/9/04		
d) NRC Regional Supervisor	STEPHEN T. BARR / <i>[Signature]</i>			01/24/05		
	TODD FISCH / <i>[Signature]</i> for BConde			1/26/05		
Note:	* The facility's reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					

Facility: <i>Seabrook Station</i>		Date of Exam: <i>1-28-05</i>		Exam Level: <i>RO/SRO</i>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<i>KCD</i>	<i>KPL</i>			
2. Answer key changes and question deletions justified and documented	<i>KCD</i>	<i>KPL</i>			
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>KCD</i>	<i>KPL</i>			
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	<i>KCD</i>	<i>KAS*</i>			
5. All other failing examinations checked to ensure that grades are justified	<i>N/A</i>	<i>N/A</i>			
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>KCD</i>	<i>KPL</i>			
	Printed Name/Signature		Date		
a. Grader	<i>Kenneth Doyle / Kenneth Doyle</i>		<i>2-8-05</i>		
b. Facility Reviewer(*)	<i>[Signature]</i>		<i>2-11-05</i>		
c. NRC Chief Examiner (*)	_____		_____		
d. NRC Supervisor (*)	_____		_____		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

* *N/A for this exam.*

Seabrook Station NRC Written Examination Seating Chart

