

ADMINISTRATIVE DOCUMENTS

(Yellow Paper)

1. Exam Preparation Checklist ES-201-1 ✓
2. Exam Outline Quality Checklist ES-201-2 ✓
3. Exam Security Agreement(s) ES-201-3 ✓
4. Administrative Topics Outline (Final) ES-301-1 ✓
5. Control Room Systems & Facility Walk-through Test Outline
(Final) ES-301-2 ✓
6. Operating Test Quality Check Sheet ES-301-3 ✓
7. Simulator Scenario Quality Check Sheet ES-301-4 ✓
8. Transient and Event Checklist ES-301-5 ✓
9. Competencies Checklist ES-301-6 ✓
10. Written Exam Quality Check Sheet ES-401-6 ✓
11. Written Exam Review Worksheet ES-401-9 ✓
12. Written Exam Grading Quality Checklist ES-403-1 ✓
13. Post-Exam Check Sheet ES-501-1 ✓
14. Facility Submittal Letter *FROM DOUG LAUTEBUR* [✓]

ST. LUCIE MARCH/APRIL 2006-301 EXAM

05000335/2006301 AND 05000389/2006301

MARCH 20 - 29, 2006 AND APRIL 6, 2006

Facility:	St. Lucie	Date of Examination:	3/20-3/30/2006
Examination Prepared By (Circle):	Laska/Baldwin/Rose	Facility	NRC
		Written / Operating Test	Written / Operating Test

Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	GWL
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	11/10/2005
-120	3. Facility contact briefed on security and other requirements (C.2.c)	11/10/2005
-120	4. Corporate notification letter sent (C.2.d)	11/10/2005
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	1/3/2006
{-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)	1/3/2006 (1/09/2006)
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	1/9/2006 (1/11/2006)
{-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 reference materials due (C.1.e, f, g and h; C.3.d)	2/3/2006
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	2/17/2006
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	3/6/2006
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	3/6/2006
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	3/6/2006
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	3/13/2005
-7	14. 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 4; ES-202, C.2.e; ES-204)	3/13/2005
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	3/13/2005
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	3/13/2005

* 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.

Facility:	St. Lucie 1 & 2		Date of Examination:	03/20/06		
Item	Task Description		Initials			
	a	b*	c#			
WRITTEN	1. a. Verify that the outline(s) fit(s) the appropriate model per ES-401.		NA	NA		
	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.					
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.					
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.					
SIMULATOR	2. 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.		z	12		
	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 scenarios will not be repeated on subsequent days.		z	12		
	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.		z	12		
W/T	3. a. Verify that 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 alternate path, low-power, emergency and RCA tasks meet the criteria on the form.		z	12		
	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		z	12		
	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.		z	12		
GENERAL	4. a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.		z	12		
	b. Assess whether the 10CFR 55.41/43 and 55.45 sampling is appropriate.		z	12		
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.		z	12		
	d. Check for duplication and overlap among exam sections.		z	12		
	e. Check the entire exam for balance of coverage.		z	12		
	f. Assess whether the exam fits the appropriate job level (RO or SRO).		z	12		
a. Author	LARRY R. ZILL		Printed Name / Signature			
b. Facility Reviewer (*)	Douglas Lasterburg		Larry R. Zilli (z)			
c. NRC Chief Examiner (#)	GEOFF WILSON		Date			
d. NRC Supervisor	James H. Moorman, II		12/23/05			
			12-30-05			
			1/11/2006			
			3-13-06			

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

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Mar 26, 2005 and Mar 27, 2005 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 3/26-3/27/05. 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. Doug Gamberber	Operations Training Supervisor	<i>D. Gamberber</i>	11-16-05	<i>D. Gamberber</i>	4/6/06
2. PAUL FARNKWAJETA	OPERATIONS TRAINING INSTR.	<i>Paul Farnkwajeta</i>	12-7-05	<i>Paul Farnkwajeta</i>	4/6/06
3. Lourdes Porto	Simulator Group Supv.	<i>Lourdes Porto</i>	12-7-05	<i>Lourdes Porto</i>	3/30/06
4. Paul Sweetland	Author	<i>Paul Sweetland</i>	12/9/05		
5. Larry Zilli	Author	<i>Larry Zilli</i>	12/9/05		
6. George Lurie	Simulator Group	<i>George Lurie</i>	12/12/05	<i>George Lurie</i>	9/16/06
7. Dennis Borgmann	Ops Inst	<i>Dennis Borgmann</i>	12/17/05	<i>Dennis Borgmann</i>	4/6/06
8. Scott O'Hare	Unit Sur	<i>Scott O'Hare</i>	12/17/05	<i>Scott O'Hare</i>	4-19-06
9. ROGER SHERWOOD	RCO	<i>Roger Sherwood</i>	12/17/05	<i>Roger Sherwood</i>	4-18-06
10. ROGER WALKER	OPS INSTRUCTOR	<i>Roger Walker</i>	12/17/05	<i>Roger Walker</i>	9/6/06
11. RONALD STOTT	AUTHOR/VALIDATOR	<i>Ronald Stott</i>	12/28/05		
12. DENNIS SOULE	UNIT SURV	<i>Dennis Soule</i>	1/4/06	<i>Dennis Soule</i>	7/18/06
13. David Lark	UNIT SURV	<i>David Lark</i>	1/5/06		7/18/06
14. CHARLES PIKE	UNIT SUPERVISOR	<i>Charles Pike</i>	1/14/06		7/18/06
15. DAVE GUSSON	RCO	<i>Dave Gusson</i>	1-14-06		7-6-06

NOTES: *W.A. Rydex* RCO *1-18-06 N.A.H.* *W.A. Rydex* 4/16/06

ES-201 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 Mar 26, 2005 and Mar 27, 2005 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 Feb 27/28. 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.

Table with columns: PRINTED NAME, JOB TITLE / RESPONSIBILITY, SIGNATURE (1), DATE, SIGNATURE (2), DATE NOTE. Rows include names like Doug Gamberber, PAVE PANKAJARDA, LEONARD KOCO, etc.

NOTES: W.A. Ryker ACO 1-10-06 N.A.H. 4/16/06

ES-201

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 Mar 24, 2005 and Mar 27, 2005 and 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 3/20-21/05. 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. Doug Gamberbauer	Operations Training Supervisor	[Signature]	11/15/05	[Signature]	4-6-06
2. JOE ARSENAULT	AUTHOR OPERATIONS	[Signature]	11/17/05	[Signature]	4-6-06
3. SETH TIGHE	UNIT SUPERVISOR	[Signature]	11/17/05	[Signature]	4-6-06
4. NOEL PITONAK	UNIT SUPERVISOR	[Signature]	11/17/05	[Signature]	4-6-06
5. WIM WILK GREEN	UNIT SUPERVISOR	[Signature]	11/17/05	[Signature]	4-6-06
6. ANDREW TEEBINKS	SHIFT MANAGER	[Signature]	11/17/05	[Signature]	4-6-06
7. Ronald J LAMOR	Ops Training Instructor	[Signature]	11/17/05	[Signature]	4-6-06
8. DAVID BRUCHTRY	OPS TRNG INSTRUCTOR	[Signature]	11/17/05	[Signature]	4-6-06
9. David K Althoff	Asst. Operations Manager	[Signature]	11/17/05	[Signature]	4-6-06
10. ERIC L ROBEYS	LOCT/PLC SUPER	[Signature]	11/17/05	[Signature]	4-6-06
11. Christopher Conk	PLM	[Signature]	11/17/05	[Signature]	4-6-06
12. W. Parks	OPS MGR	[Signature]	11/17/05	[Signature]	4-6-06
13.					
14.					
15.					

- NOTES:
- 1 Knowledge of NRC scenario #2 only
 - 2 Knowledge of operating exam only

ES-201

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 Mar. 26, 2005 and 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 3/20-27/06. 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.

Table with columns: PRINTED NAME, JOB TITLE / RESPONSIBILITY, SIGNATURE (1), DATE, SIGNATURE (2), DATE NOTE. Includes names like Doug Lauterbach, Joe Arsenault, Steve Fitzgerald, Noel Pionnik, etc.

* Knowledge of NRC scenario #2 only
* Knowledge of NRC scenario #5 only

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the weeks of 3/2006 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.

20/27 p2
weeks of 3/2006

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 2/27/06. 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
1. C.D. Marple	SM	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
2. NORM MAJOR	RCO	<i>[Signature]</i>	1/10/06	<i>[Signature]</i>	4/6/06
3. W.A. Kyle	RCO	<i>[Signature]</i>	1/10/06	<i>[Signature]</i>	4/10/06
4. Chuck Ocker	RCO	<i>[Signature]</i>	1-22-06	<i>[Signature]</i>	4-4-06
5. Sara Smunt	SM	<i>[Signature]</i>	1-22-06	<i>[Signature]</i>	3/1/06
6. JAMES MANN	RCO	<i>[Signature]</i>	1-31-06		
7. STEVEN K SUMMERS	RCO	<i>[Signature]</i>	1/31/06		
8. JACK BREEN	SRO	<i>[Signature]</i>	1/31/06		
9. GLEN BLINDIE	EA REVIEWER	<i>[Signature]</i>	1/31/06		
10. LAREN CHURCH	ADMIN SUPPORT	<i>[Signature]</i>	2/26/06		
11. Reid Watson	Simulator Engineer	<i>[Signature]</i>	2/2/06	<i>[Signature]</i>	4/10/06
12. JOE SOCCERINO	Simulator Tech	<i>[Signature]</i>	2/18/06	<i>[Signature]</i>	4/16/06
13. Lisa Edwards	Training Manager	<i>[Signature]</i>	2/28/06	<i>[Signature]</i>	4/11/06
14. GEORGE JULLINDE	OPS SRO	<i>[Signature]</i>	3/17/06	<i>[Signature]</i>	4/16/06
15. GANE MCARD	ADMIN SUPPORT	<i>[Signature]</i>	3/17/06	<i>[Signature]</i>	4/6/06
NOTES:			3/17/06	<i>[Signature]</i>	4/16/06

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the weeks of 3/2006 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.

30/27 2006

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 3/20/06. 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. C.D. Maxple	SM	<i>C.D. Maxple</i>	1/2/06	<i>C.D. Maxple</i>	4/10/06
2. NORM MAJOR	RCO	<i>Norm Major</i>	1/2/06	<i>Norm Major</i>	4/10/06
3. A.A. Kyle	RCO	<i>A.A. Kyle</i>	1/2/06	<i>A.A. Kyle</i>	4/10/06
4. Chuck O'Neil	RCO	<i>Chuck O'Neil</i>	1/22/06	<i>Chuck O'Neil</i>	4/10/06
5. DARL SMUNE	SM	<i>Darl Smune</i>	1/22/06	<i>Darl Smune</i>	3/15/06
6. JAMES MANN	RCO	<i>James Mann</i>	1-31/06	<i>James Mann</i>	4/20/06
7. STEVEN K SUMMERS	RCO	<i>Steven K Summers</i>	1/31/06	<i>Steven K Summers</i>	4/20/06
8. JACK BREEN	SRO	<i>Jack Breen</i>	1/31/06	<i>Jack Breen</i>	4/10/06
9. GLEN BLANDE	FR REVIEWER	<i>Glen Bland</i>	2/2/06	<i>Glen Bland</i>	4/10/06
10. LAREN CHURCH	ADMIN SUPPORT	<i>Laren Church</i>	2/2/06	<i>Laren Church</i>	4/10/06
11. Reid Watson	Simulator Engineer	<i>Reid Watson</i>	4/18/06	<i>Reid Watson</i>	4/16/06
12. JEE SORENSEN	Simulator Tech	<i>Jee Sorenson</i>	4/18/06	<i>Jee Sorenson</i>	4/16/06
13. Lisa Edwards	Training Manager	<i>Lisa Edwards</i>	4/18/06	<i>Lisa Edwards</i>	4/16/06
14. GEORGE TULLIDGE	OPS SRO	<i>George Tullidge</i>	3/17/06	<i>George Tullidge</i>	4/16/06
15. VANE MEAD	ADMIN SUPPORT	<i>Vane Mead</i>	3/17/06	<i>Vane Mead</i>	4/16/06

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the weeks of 2.12.7.98 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 2.12.7.98. 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
C.D. Manly	SM	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
NORM MAJOR	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
ALAN ELLIS	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
Jack Olive	SM	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
JAMES MAHA	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
STEVEN K. SUMMERS	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
JACK GREEN	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
GLEN BLADE	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
KAREN CHURCH	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
Reid Watson	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
JOE SORENSEN	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
JISA EDWARDS	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
GEORGE TULLING	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06
JANE MEAD	RCO	<i>[Signature]</i>	1/2/06	<i>[Signature]</i>	4/10/06

NOTES:

Packet # _____ Date _____ of pages _____
 Fee Code RT93 at 1/1/06 1
 By DOUG LAWRENCE
 Fee # 8-467-7521
 From WALTON BURDE
 Phone # _____

Facility: St. Lucie	Date of Examination: March 2006
Examination Level (circle one): SRO	Operating Test Number: NRC

Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	N	Determine the required actions when declaring an EDG <i>inoperable</i> with 2C AFW Pump already <i>inoperable</i> . K/A: 2.1.12 (4.0)
Conduct of Operations	N	Given a set of conditions, calculate the condensate inventory required to remove decay heat and RCP heat. K/A: 2.1.25 (3.1)
Equipment Control	M	Review Reactor Coolant System (RCS) water inventory balance surveillance. K/A: 2.2.12 (3.4)
Radiation Control	P, M	Given a set of conditions, calculate stay time and apply facility emergency dose limits. K/A: 2.3.1 (3.0)
Emergency Plan	N	Evaluate a change in plant conditions and initiate actions to reclassify an event. K/A: 2.4.41 (4.1)

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.

*Type Codes & Criteria:

- (C)ontrol room
- (D)irect from bank (≤ 3 for ROs; \leq for SROs & RO retakes)
- (N)ew or (M)odified from bank (> 1)
- (P)revious 2 exams (≤ 1 ; randomly selected)
- (S)imulator

ADMINISTRATIVE JPM SUMMARY

A1-1:

Determine the required actions when declaring a Unit 2 EDG *inoperable* with 2C AFW Pump already *inoperable*. Candidate will be required to enter the Technical Specification Action Statement for the EDG and evaluate the operability of 2A AFW Pump. New JPM.

A1-2:

Given a set of conditions, calculate the condensate inventory required to remove decay heat and RCP heat. The candidate will be required to complete 2-EOP-99, Data Sheet 1, Determination of Condensate Required to Remove Decay Heat and RCP Heat. New JPM.

A2:

Review Reactor Coolant System (RCS) water inventory balance surveillance. The candidate will review a completed OP-1-0010125A, Surveillance Data Sheets, Data Sheet 1, and determine critical errors. Facility Bank JPM 0821186A with parameter values modified.

A3:

Given a set of conditions, calculate stay time and apply facility emergency dose limits. The candidate will be required to evaluate radiological dose rates, calculate stay time and apply the facility emergency dose limits of EPIP-02, Duties & Responsibilities of the Emergency Coordinator. Randomly selected task from the Facility 2004 license examination but modified to change stay time and the applicable dose limit.

A4:

Evaluate a change in plant conditions and initiate actions to reclassify an event. A change in plant conditions will require an upgrade from Site Area Emergency to a General Emergency. The candidate will respond in accordance with EPIP-01, Classification of Emergencies and EPIP-08, Offsite Notifications and PARs. New JPM.

Facility: <u>St. Lucie</u>	Date of Examination: <u>March 2006</u>
Exam Level (circle one): <u>SRO(I)</u>	Operating Test No.: <u>NRC</u>

Control Room Systems[®] (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U)

	System / JPM Title	Type Code*	Safety Function
S-1	Perform an emergency boration.	P, A, E, S	1
S-2	Establish once thru cooling.	M, P, A, E, S	2
S-3	Perform RPS Logic Matrix Test	D, S	7
S-4	Respond to closure of a CCW isolation valve for an RCP Seal Cooler.	N, A, S	4P
S-5	Transfer feed from AFW to MFW on one SG.	N, L, A, S	4S
C-6	Respond to CCW Excessive Activity (Unit 1).	D, E, C	8
S-7	Start and load a Diesel Generator	N, S	6
S-8	N/A		

In-Plant Systems[®] (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)

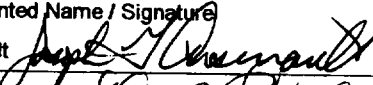
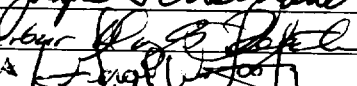
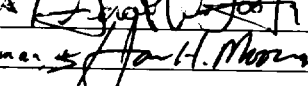
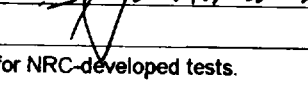
P-1	Operate a SG Atmospheric Dump Valve (Unit 1).	D, E	4S
P-2	Start an EDG during a station blackout.	M, A, E	6
P-3	Initiate a Containment hydrogen purge (Unit 1).	P, E, R	5

@ All control room (and in-plant) systems must be different and serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

* Type Codes	Criteria for RO / SRO-I / SRO-U
(A)lternate path	4-6 / 4-6 / 2-3
(C)ontrol room	
(D)irect from bank	≤ 9 / ≤ 8 / ≤ 4
(E)mergency or abnormal in-plant	≥ 1 / ≥ 1 / ≥ 1
(L)ow-Power	≥ 1 / ≥ 1 / ≥ 1
(N)ew or (M)odified from bank including 1(A)	≥ 2 / > 2 / ≥ 1
(P)revious 2 exams	≤ 3 / ≤ 3 / ≤ 2 (randomly selected)
(R)CA	≥ 1 / ≥ 1 / ≥ 1
(S)imulator	

JPM SUMMARY DESCRIPTION

- S-1. Perform an emergency boration in accordance with 2-EOP-01, Standard Post Trip Actions. The candidate will be required to take compensatory actions for more than one stuck CEA and failure of a valve to open during initiation of emergency boration. Randomly selected JPM conducted during the facility 2004 NRC Exam (B.1.a); now Facility Bank JPM 0821069A. K/A: 004 A4.18 (4.3/4.1)
- S-2. Establish once through cooling in accordance with 2-EOP-15, Functional Recovery – RCS and Core Heat Removal. Randomly selected JPM conducted during the facility 2001 NRC Exam (B.1.b). The candidate will be required to take compensatory action for failure of one pump to start and one valve to properly re-position. Utilize modified Facility Bank JPM 0821037A since procedure changes to EOP-15 have significantly changed the randomly selected JPM. This is a PRA significant action. K/A: 006 A4.07 (4.4/4.4)
- S-3. Perform RPS Logic Matrix Test during power operations per 2-OSP-62.02. The candidate will perform the Logic Matrix Test on Logic Channel AB. Facility Bank JPM 0821103. K/A: 012 A4.04 (3.3/3.3)
- S-4. Respond to a failed closed CCW valve on the seal cooler for one RCP in accordance with 2-ONP-0120034, Reactor Coolant Pump. The candidate will be required to initiate a reactor trip and stop the affected RCP. This is a PRA significant action. New JPM. K/A: APE 015 AA1.06 (3.1/2.9)
- S-5. Transfer feed control/flow to SG 2A from AFW to MFW in accordance with 2-GOP-201, Reactor Plant Startup – Mode 2 TO Mode 1, Step 6.11. The candidate will shift from AFW flow control to the 15% Bypass Valve on 2A SG. The 15% Bypass valve will fail to control in Auto and require action by the candidate. New JPM. K/A: 059 A4.03 (2.9/2.9)
- C-6. Respond to CCW Excessive Activity (Unit 1). The candidate will identify and isolate a Pressurizer Steam Space Heat Exchanger leak to be performed in the Unit 1 Control Room. Facility Bank JPM 0821030 K/A: 008 A2.02 (3.2/3.5)
- S-7. Start and load an emergency diesel generator from the control room. The candidate will perform a fast start of a diesel and increase load in parallel with the grid. K/A: 062 A4.06 (3.9/3.9)
- S-8. Not required. Only SRO (I) candidates on this examination.
- P-1. Operate a Unit 1 SG ADV in accordance with 1-EOP-99, Appendix U, Local Operation of Unit 1 Atmospheric Dump Valves. The candidate will isolate air to the valve and operate the manual handwheel. Facility Bank JPM 0821053. K/A: 035 G2.1.30 (3.9/3.4)
- P-2. Start 2B EDG locally during a station blackout in accordance with 2-EOP-99, Appendix C, Diesel Generator Local Start. The candidate will be required to place several control switches in the isolate position before the EDG will start and adjust EDG voltage and frequency once started. This is a PRA significant action. Modified Facility Bank JPM 0821072A. K/A: 064 G2.1.30 (3.9/3.4)
- P-3. Initiate a Containment hydrogen purge in Unit 1 during a LOCA in accordance with 1-EOP-99, Appendix N, Hydrogen Purge System Operation. Randomly selected JPM conducted during the facility 2004 NRC Exam (B.1.k); Facility Bank JPM 0821098. K/A: 028 G2.1.30 (3.9/3.4)

Facility:	Date of Examination:	Operating Test Number:	
1. GENERAL CRITERIA			Initials
		a	b*
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).		[Signature]	[Signature]
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.		[Signature]	[Signature]
c. The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).		[Signature]	[Signature]
d. Overlap with the written examination and between different parts of the operating test is within acceptable limits.		[Signature]	[Signature]
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.		[Signature]	[Signature]
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"> - 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 		[Signature]	[Signature]
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.		[Signature]	[Signature]
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.			[Signature]
	Printed Name / Signature	Date	
a. Author	Joseph G. Arsenault 	3/5/2006	
b. Facility Reviewer (*)	Douglas Kesterbur 	3-7-06	
c. NRC Chief Examiner (#)	GERARD W. LASCA 	3-13-2006	
d. NRC Supervisor	James H. Moorme 	3-13-06	
NOTE: * The facility signature is not applicable for NRC-developed tests.			
# Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.			

Facility:	St. Lucie	Date of Exam:	03/20/2006	Scenario Numbers:	1/2/3/4	Operating Test No.:	NRC					
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.					JBA	LD	JBA				
2.	The scenarios consist mostly of related events.					JBA	LD	JBA				
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) 					JBA	LD	JBA				
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.					JBA	LD	JBA				
5.	The events are valid with regard to physics and thermodynamics.					JBA	LD	JBA				
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					JBA	LD	JBA				
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.					JBA	LD	JBA				
8.	The simulator modeling is not altered.					JBA	LD	JBA				
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.					JBA	LD	JBA				
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.					JBA	LD	JBA				
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					JBA	LD	JBA				
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).					JBA	LD	JBA				
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.					JBA	LD	JBA				
Target Quantitative Attributes (Per Scenario; See Section D.5.d)					Actual Attributes (Scenario)					-	-	-
					1	2	3	4	5			
1.	Total malfunctions (5-8)				8	8	7	6	7	JBA	LD	JBA
2.	Malfunctions after EOP entry (1-2)				3	3	3	2	2	JBA	LD	JBA
3.	Abnormal events (2-4)				3	3	3	3	3	JBA	LD	JBA
4.	Major transients (1-2)				1	1	1	1	1	JBA	LD	JBA
5.	EOPs entered/requiring substantive actions (1-2)				1	2	1	2	2	JBA	LD	JBA
6.	EOP contingencies requiring substantive actions (0-2)				1	0	1	0	0	JBA	LD	JBA
7.	Critical tasks (2-3)				2	2	3	3	3	JBA	LD	JBA

Facility:		St. Lucie 1 & 2		Date of Exam:		03/20/2006		Operating Test No.:		NRC							
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		
		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
SROI-1	RX							4					1	1	1	0	
	NOR	1					3						2	1	1	1	
	I/C	2,3,4					1,6,8			2,5,8,9			10	4	4	2	
	MAJ	6					5			6			3	2	2	1	
	TS	3,4,5											3	0	2	2	
SROI-2	RX		1										1	1	1	0	
	NOR					3					4		2	1	1	1	
	I/C		2,4,7			1,2,4					3,7		8	4	4	2	
	MAJ		6			5					6		3	2	2	1	
	TS					1,3							2	0	2	2	
SROI-3	RX						3						1	1	1	0	
	NOR					1				4			2	1	1	1	
	I/C					3,5,8,9			2,4,7		2,3,5		10	4	4	2	
	MAJ					6			5		6		3	2	2	1	
	TS										1,5		2	0	2	2	
SROI-4	RX												1	1	1	0	
	NOR	1						3					2	1	1	1	
	I/C	2,3,4						1,6,8					9	4	4	2	
	MAJ	6						5					3	2	2	1	
	TS	3,4,5											3	0	2	2	
SROI-5	RX		1										1	1	1	0	
	NOR						3						2	1	1	1	
	I/C		2,4,7				1,2,4						8	4	4	2	
	MAJ		6				5						3	2	2	1	
	TS						1,3						2	0	2	2	
SROI-6	RX							3					1	1	1	0	
	NOR												2	1	1	1	
	I/C												10	4	4	2	
	MAJ												3	2	2	1	
	TS												2	0	2	2	

Facility:		St. Lucie 1 & 2		Date of Exam:		03/202006		Operating Test No.:		NRC								
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	
SROI-7	RX											1		1	1	1	0	
	NOR	1									4			2	1	1	1	
	I/C	2,3,4									3,7		2,3,7	8	4	4	2	
	MAJ	6									6		5	3	2	2	1	
	TS	3,4,5												3	0	2	2	
SROI-8	RX		1											1	1	1	0	
	NOR								4					1	2	1	1	
	I/C		2,4,7						2,3,5					4,6	8	4	4	
	MAJ		6						6					5	3	2	1	
	TS								1,5					2	0	2	2	
SROI-9	RX								4					1	1	1	0	
	NOR			1									1	2	1	1	1	
	I/C			3,5,8,9					2,5,8,9				2,3,4	11	4	4	2	
	MAJ			6					6					3	2	2	1	
	TS												2,3	2	0	2	2	
SROI-10	RX								4					1	1	1	0	
	NOR				3									1	1	1	1	
	I/C				1,2,4				2,5,8,9					7	4	4	2	
	MAJ				5				6					2	2	2	1	
	TS				1,3									2	0	2	2	
SROI-11	RX					3								1	1	1	0	
	NOR								4					1	1	1	1	
	I/C				2,4,7				2,3,5					6	4	4	2	
	MAJ				5				6					2	2	2	1	
	TS								1,5					2	0	2	2	
SURRO GATE	RX													0	1	1	0	
	NOR						3				4			2	1	1	1	
	I/C						1,6,8				3,7			5	4	4	2	
	MAJ						5				6			2	2	2	1	
	TS													0	0	2	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 service in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs 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* 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.
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 requirements specified for the applicant's license level in the right-hand columns.

Facility: St. Lucie Date of Examination: 03/20/2006 Operating Test No. NRC												
Competencies	SRO				RO (ATC)				BOP			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	2,3, 4,5, 6	1,2, 3,4, 5	1,2, 3,4, 5,6	2,3, 4,5	2,4,6, 7	2,4,5, 7	2,5,6, 8,9	2,3,5, 7	3,6, 8,9	1,5, 6,8	3,6, 7	4,5, 6
Comply With and Use Procedures (1)	ALL	ALL	ALL	ALL	1,2,4, 6,7	2,3,4, 5,7	2,4,5, 6,8, 9	1,2,3, 5,7	1,3, 6,8, 9	1,3, 5,6, 8	3,4, 6,7	1,4, 5,6
Operate Control Boards (2)	N/A	N/A	N/A	N/A	1,2,4, 6,7	2,3,4, 5,7	2,4,5, 6,8, 9	1,2,3, 5,7	1,3, 6,8, 9	1,3, 5,6, 8	3,4, 6,7	1,4, 5,6
Communicate and Interact	ALL	ALL	ALL	ALL	1,2,4, 6,7	2,3,4, 5,7	2,4,5, 6,8, 9	1,2,3, 4,5, 7	1,3, 6,8, 9	1,3, 5,6, 8	3,4, 6,7	1,4, 5,6
Demonstrate Supervisory Ability (3)	ALL	ALL	ALL	ALL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comply With and Use Tech. Specs. (3)	3,4, 5	1,3	1,5	2,3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Notes: (1) Includes Technical Specification compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.												

Instructions:

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

Facility: St. Lucie		Date of Exam: 3/20/2006		Exam Level:	RO/SRO
Item Description	Initial				
	a	b*	#		
1. Questions and answers technically accurate and applicable to facility.	JGA	JGA	JGA		
2. a. NRC K/As referenced for all questions. b. Facility learning objectives referenced as available.	JGA	JGA	JGA		
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	JGA	JGA	JGA		
4. The sampling process was random and systematic. (If more than 4 RO and 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL Program Office)	JGA	JGA	JGA		
5. Question duplication from the license 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, or <input type="checkbox"/> the audit exam was completed before the license exam was started, or <input type="checkbox"/> the examinations were developed independently, or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication, or <input type="checkbox"/> other (explain)	JGA	JGA	JGA		
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New		
	37 / 7	5 / 2	33 / 16		
7. Between 50 and 60 percent of the question on the RO exam are written at the comprehension/ analysis level; the 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	Memory	C/A			
	34 / 3	41 / 22			
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	JGA	JGA	JGA		
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.	JGA	JGA	JGA		
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	JGA	JGA	JGA		
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet.	JGA	JGA	JGA		
Printed Name / Signature		Date			
a. Author	Joseph G. Arsenault	<i>Joseph G. Arsenault</i>	3/17/2006		
b. Facility Reviewer (*)	Douglas Henderson	<i>Douglas Henderson</i>	3-17-06		
c. NRC Chief Examiner (#)	GERARD W. LUSKA	<i>Gerard W. Luska</i>	4/04/2006		
d. NRC Regional Supervisor	James H. Moorman, III	<i>James H. Moorman, III</i>	4-5-06		
Note:	* The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws			4. Job Content Flaws			5. Other	6. U/E/S	7. Explanation
			Stem Focus	Cues T/F	Cred. Dist.	Partial	Job-Link	Minutia			

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
- Check the appropriate box if a psychometric flaw is identified:
 - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - The answer choices are a collection of unrelated true/false statements.
 - The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
- Check the appropriate box if a job content error is identified:
 - The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - The question requires the recall of knowledge that is too specific for the closed reference test mode (i.e., it is not required to be known from memory).
 - The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those that are designated SRO-only (K/A and license level mismatches are unacceptable).
- Based on the reviewer's judgment, is the question as written (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

RO/COMMON Questions

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia #/units	Backward			Q=K/A
1	H	2											007EK2.02 (2.6/2.8) Does not meet K/A if you covered the bullet that said a reactor trip recovery is in progress you could still ask and answer this question. It would meet another K/A. Loss of bus etc. (NEW) Need to change question to one that is related May need to select a new K/A. Changed K/A to EK2.03 New question to match K/A 3/14/2006 4/03/2006 Replaced with a new question. Meets K/A SAT.
2	H	2	X										009EA1.09 (3.6/3.6) Appears to meet K/A. Teaching in stem. "EOP-3.0 LOCA entered and cooldown and depressurization in progress." (BANK) Removed cooldown and depressurization from stem and deleted the reference. Question SAT 3/14/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A			SR O/On/ y
3	H	2	X												02ZAG2.2.22 Question appears to meet K/A. LCO 3.0.3 is the same no matter what the cause. So how can one be more limiting than the other. Stem needs to be written to ask which one of the following describes which technical specification is applicable or something similar to that. This was a K/A that was swapped from the RO sample plan to the SRO sample plan and the Licensee has been instructed to swap it back to the original sample plans. (NEW) Moved to the RO exam. Changed distractor D. Question is sat. 3/14/2006
4	H	2										X			025AK2.02 (3.2/3.2) Appears to be a borderline K/A match, a loss of Residual heat removal has not occurred. (I understand that temperature is going up, and flow is oscillating) but total cooling has not been lost. Also the procedure actions state to throttle LPSI header flow (is that the same as lower? Can you actually get to these conditions in the plant without be at reduced inventory? Wrong importance rating on submitted question. (2.6) if this question is retained need to change the stem to which one of the following... IAW ONP-1... (NEW) changed to throttle question sat. Changed the stem to read "describes the actions required to mitigate the event in ...changed stem to remove mode 5 and the reference to RCS temperature. Question SAT 3/14/2006
5	H	2										X			026AA2.03 Appears to be a borderline K/A match. Listed as being on 2002 NRC exam. (BANK) Question SAT 3/14/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia #/units	Backward				Q=K/A
6	F	2						X					S	027AK3.03 Changed from 027AK3.01 with out approval. Determination to be made on adequacy of K/A replacement. Distractor C should read the stuck open spray valve is identified as being at the lower temperature and approaching T cold. (NEW) Question SAT 3/14/2006
7	F	2				X							S	029EK1.02 Borderline K/A match, but tough K/A to match. Distractor C does not appear to be credible. (NEW) Look at. Added ATWS to Stem changed distractor C Question SAT 3/14/2006.
8	H	2						X					S	038EA1.04 appears to match K/A. Need to ensure that the only reference is figure 1A (Page 119 of 155) is the only reference. Need to add IAW 2-EOP-04 to the stem or someone might consider D also correct. (NEW) removed link to reference. Changed the pressure in c and d to 850 Psi. (RCP NPSH curve.) Question SAT 3/14/2006
9	H	2	X										S	054AK3.04 appears to match K/A Need to add IAW 1-EOP-01 to the stem. (BANK) Changed distractor D. Question SAT 3/14/2006
10	F	2				X							S	055EA1.05 appears to match K/A, distractors C and D do not appear to be credible. Also without any power what will happen? Needs to be worded "When power returns..." (NEW) C okay work on D changed distractors b, c, d. (kind of still meets K/A). Question SAT 3/14/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	# units	Backward				Q=K/A
11	F	2	X											S	056AK3.02 appears to match K/A Very simple question. Need to add IAW 1- EOP-9.0 to the stem. Is this the same for both units? You listed a unit 2 procedure but referenced unit 1 in the question stem (NEW) Made changes as requested Question SAT 3/14/2006
12	H	2												E	057AA2.01 Licensee changed to AA2.15 with out informing the NRC. This question came straight from Licensees (BANK). Determination to be made on adequacy of K/A replacement. Otherwise question appears to match K/A. Very simple. Look at beefing up distractors and d or find another question. Licensee beefed up distractors and after further review on plant systems the chief examiner allowed the K/A change due to not being able to write a question on SIT. Question SAT 4/03/2006
13	F	1				X								S	058AK1.01 Question appears to match K/A. Very simple. Distractor C does not appear to be a credible distractor. Distractor D may not be credible (does the RTGB 201 have this indication? (BANK) Discuss Later.Replaced all distractors and changed correct answer by using Unit 1. Question SAT 3/14/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A			SR O nly
14	F	2											X	U	062AA2.06 Licensee changed K/A without NRC knowledge to 067AA2.13. Determination to be made on adequacy of K/A replacement. Distractor B could be viewed as correct in certain cases. Distractor D may also be correct. What is the definition of contained? See 2 nd block of figure 1 (BANK) Work on later. Licensee will continue to work on this from a loss of ICW. Question 3/14/2006. New Question needed. Licensee replaced question. New Question appears to be SAT. Does not match the K/A exactly but is a good attempt. Question Accepted SAT 4/03/2006
15	F	2												S	065AK3.08 appears to match K/A. C and D could be correct, these actions should have happened or been performed so it could be argued that they are correct. (BANK) Made changes to C and D appears to be okay. Question SAT 3/14/2006
16	F	1												U	CEA02EA1.2 Very simple GFE 1. Distractors C and D not credible. 3-4hours? (BANK) Look for new question. 3/14/2006 Replaced Question Matches K/A Question appears to be SAT.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia #/units	Backward	Q=K/A	SR On/Off		
17	H	2												CE05EG2.4.31 Does not match K/A. There are not any annunciator alarms or response instructions as required by the K/A. (BANK) Get new big picture question. New Question matches K/A, appears to be SAT. 4/03/2006.
18	H	2	X											CE06EK2.2 Appears to match K/A. Teaching in stem reword to say: Which one of the following describes how RCS pressure will initially respond on a loss of main feed. (BANK) Appears to be okay. Question SAT 3/14/2006
19	H	2			X									001AK2.06 Appears to match K/A. At what point does automatic withdrawal occur? Distractors A and B may not be credible. (If rod is in manual and a malfunction is occurring why would any of the AWP's stop the rod? (BANK) Station does not have a deviation meter as such but does have a recorder. Decided to leave questions as is no other K/A for this had high enough importance factor. Question SAT 3/14/2006
20	F	2	X		X									005AK1.02 Appears to match K/A. The first portion of the stem states that CEA # 41 is stuck, an assumption listed states to assume that CEA # 47 is trippable. This would make choice A also correct. Fix Stem. (Modified Bank) Need to see original NEW Okay as is Question SAT 3/14/2006
21	H	2												024AA1.26 Appears to match K/A. (BANK)

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws						4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	# units	Backward	Q=K/A				SR O/On/ y
22	H	2				X									S	028AK1.01 Appears to match K/A. Distractors A, B, and D are not credible. All three of these distractors would happen if the LT failed low, knowing that only one can be correct the only answer to select is C. Need to develop better distractors. (BANK) Replaced all distractors. Question SAT 3/14/2006
23	H	2													S	032AA2.05 Appears to match K/A. (NEW)
24	H	2													U	037AA2.12 (K/A changed from NRC provided outline) This ins nothing more than an RCS leak determination. If you took the SG Tube leak out of the stem you could still answer this question. Very Simple. Replace. (NEW) 036AG2.1.20 Question SAT 3/14/2006 Licensee Modified question to have accident occur in CTMT. SAT. 4/03/2006 (Still don't like the negative way the question is asked)
25	H	2											X		U	059AA2.03 Does not meet K/A. There is not an accidental liquid radwaste release in progress. Replace. (NEW) Gerry to look for idea and give to Licensee. Question Replaced. SAT 4/04/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	# units	Backward	Q=K/A	SR O n t y			
26	H	2	X			X									S	068AK2.07 appears to match K/A. Stem should read "if offsite power is lost. Distractors are not all credible. C does not appear to be credible at all. (NEW) Reworked distractors Question SAT 3/14/2006
27	H	2	X												S	CE13AG2.1.28 Appears to match K/A. Need to add IAW 1-0120039 "Natural Circulation Cooldown." Question SAT 3/14/2006
28	H	2				X		X							S	003K6.02 Minimal K/A match, if seals fail ... Distractor A is also correct if CBO temperature get >200 degrees (I don't know what the Temp is but distractor analysis states > 200 degrees then the pump should be tripped. C does not appear to be credible this is the normal operating condition of the pump. (BANK) Replaced question with another SAT Question SAT 3/14/2006
29	F	2													S	004K6.07 Minimal K/A match. Low discriminatory value. (BANK) Question SAT 3/14/2006.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia #/units	Backward	Q=K/A				SR Orl y
30	H	2											X	U	005K3.06 Does not match K/A, What effect does this have on containment spray? From the procedure I understand that CS is now providing core cooling, but the effect is that only one train of CS is cooling/depressurizing containment. Rewrite to add effect. (BANK) Continue to work Question 3/14/2006
31	H	2												S	Good Attempt at matching K/A. Will allow question as is. SAT 4/30/2006
32	F	2				X								E	006K5.01 Appears to match K/A. May need to reword distractors A and B "chosen in consideration of"? May bit a little confusing. Does Containment temperature also need to be included? (BANK) added due to the direct effect of pressure. Question SAT 3/14/2006
33	H	2												S	007K1.03 This K/A was changed from original K/A. Change appears to be acceptable. Question appears to match K/A. Distractors B and D do not appear to be credible. Work on distractors (NEW) After discussion will leave question as is. Question SAT 3/14/2006
															008G2.1.30 Appears to match K/A. Very similar to question #5. May need to move distractors around. (BANK). Question SAT 3/14/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A			SR O nly
34	H	2												S	010A3.01 appears to match K/A. Not sure how you arrived at this pressure. With the PORV lifting and discharging to the PRT the pressure in the PRT will be not be based on PORV tailpipe temperature. More Expanation required. (NEW) Distractor analysis should state 230degrees. changed distractotr A and containment pressure. Question SAT 3/14/2006
35	H	2												S	012K3.04 Question appears to match K/A. (BANK)
36	H	2												S	013A4.03 Question appears to match K/A. (NEW)
37	H	2	X											E	022A2.01 Question appears to match K/A. The stem states that all systems are in a normal lineup but the lesson material states that it is normal to have 3 containment cooler fans running while at power the stem states that only 2 CFCs are running in fast. Which one is correct or has plant normals changed? (NEW) As written K/A does not match. Actually does not initiate on cimt pressure. Rewrite question. 3/14/2006
														S	Licensee changed to Unit 1 and essentially replaced question SAT 4/03/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SR O nly			
38	H	2						X							U	026A1.02 Question appears to match K/A. Distractors And B are subsets of the answer C. D could also be correct. This stem should also contain a reference to a procedure (I am assuming that 2B3 being locked out is the B train bus so B containment spray is not available. This question needs some work. (NEW) reworked question needs more work. 3/14/2006
39	H	2				X									S	Licensee reworked question appears to be SAT. 4/03/2006
40	H	2	X					X							S	039K1.02 Question kind of matches K/A. Add controls main steam header pressure at.... Distractor B does not appear to be credible. How could they operate different if they are in the same mode? (BANK) rewritten question is now SAT 3/14/2006
41	H	2				X									S	059K4.18 Question appears to match K/A. Does the steam ADVs or dumps control reactor power at a higher level to allow turbine startup? If so is A really the correct answer? By reviewing the GOP if ADVs are in operation this May be True of SBCS is in operation B would be the correct answer. Need to add to stem what is happening in the plant. (BANK) rewritten now MOD SAT 3/14/2006
							X									061A3.01 Question appears to match K/A. Why is distractor B credible if the throttle flow rate is 220 gpm? Fix distractor B. (BANK)made changes as requested 3/14/2006 SAT

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SR			Onl y
42	F	2													S	062G 2.1.32 Question does not really meet K/A System precaution and limitations. The reference material attached refers to a step in the procedure and the reason for that step. It also states that fans A and B should be running therefore C and D should be secured This would make D the correct answer not B as stated on the answer key. Fix. (NEW) this is a limit on the cross connecting cables so okay SAT. 3/14/2006
43	H	2				X									U	Swapped back to original question and it needs to be rewritten 063A2.01. 063A2.01 this question was originally on the RO exam and the licensee swapped it to the SRO exam, without NRC permission. Question (K/A) needs to be swapped back as it was originally. Licensee wrote new question to match K/A, and be at the RO level. SAT 4/03/2006
44	F	2											X		S	064K2.02 Does not meet K/A. The applicant only needs to know when the Fuel oil pumps starts and stops. If the applicant knows this the power supply portion is moot. (Bank with power supply added) Not really modified. Changed to Fuel oil transfer pumps and to unit 2. SAT 3/14/2006
45	F	2	X												S	073K1.01 Question appears to match K/A. Stem should read On Unit 2. (BANK)

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward				Q=K/A
46	H	2											S	076A1.02 Question appears to match K/A. Very simple
47	F	2									X		S	078K2.02 Does not really match K/A. Does the site have any emergency air compressors? If not, is this the emergency mode that they would be running in? More information required. (NEW) no emergency AC this makes them Emergency Air compressors. SAT 3/14/2006
48	F	1			X								E	103K3.03 Question appears to match K/A. Distractor D needs some work: Both personnel Airlock doors are open with only one individual stationed to close doors. Recommend changing A to read Equipment hatch is closed and held in place with two bolts. (BANK) used on 2002 NRC exam Look at later.3/14/2006
49	H	2				X							S	Licensee could not change distractor A it is the correct answer. SAT 4/03/2006
50	F	2											U	010A2.03 Question appears to match K/A. The answer given as the correct answer does not appear to be correct IAW 2-ONP-0120036 PZR Relief/Safety Valve. It appears that depending on the reference used there are multiple correct answers. (NEW) will look at is again later. after much discussion question isOkay SAT 3/14/2006.
													S	063A4.02 Question appears to match K/A, if these indications are available in the control room. Are any of these indications available in the control room. If they are then we should direct this question to those indicators. (NEW) leave as is SAT 3/14/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units				Backward
51	H	3											S	062A2.11 Question appears to match K/A, although for the correct answer no action is required to restore equipment to its correct emergency power source (it already is). Modified). Will rewrite actions to include power supply. 3/14/2005
52	F	2											S	008A4.08 Question appears to match K/A. K/A changed with out NRC permission (BANK)
53	F	2				X							S	076K4.03 Question appears to match K/A. Distractors B and C are not credible. I know of no system that controls inlet cooling water outlet. This term may confuse applicants. (NEW) question rewritten SAT 3/15/2006
54	F	2											S	103K4.06 Question appears to match K/A. (BANK)
55	F	2				X							E	005K5.09 question appears to match K/A. Several distractors do not appear to be credible. K/A was changed without NRC APPROVAL . K/A change allowed. Some stem and distractor A . SAT. 3/15/2006
56	F	2									X		U	011K2.02 Question does not meet K/A. The question states how to get power back to "A" heaters after an inadvertent SI (documentation supports an LOOP). None of these actually match the K/A of what is the power supply to the PZR heaters. (BANK) Changed question Question SAT 3/15/2006.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other Q= K/A SR O Onl y	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward				
57	H	2											X	U	015A3.04 Question does not meet K/A. Maximum disagreement allowed between channels is not tested, but that is what the K/A is asking for. Replace Question. (NEW) Look at new question from Unit 1 3/15/2006 Licensee replaced question with a Unit 1 question. Matches K/A. Sat. 4/03/2006
58	F	2												U	016K5.01 Question appears to meet K/A. (BANK) Upon further review does not meet K/A Re-visit. Licensee to write question on other control system/protection channel interface. 3/15/2006 Replaced question with a Unit 1 control/protection channel question. Appears to match K/A. Question is SAT. 4/03/2006
59	F	2												E	056G2.2.25 Question appears to meet K/A. It is apparent from the background document that water for Unit 1 is included in the volume of the Unit 2 CST, but there is not a reason included. Where is the reason documented.? (BANK) SAT 3/15/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A			SR O Only
60	H	2												U	029A2.04 Question appears to match K/A. Distractor B is not credible. All of the responses contain actions, so why does the stem contain if any? Distractor D could also be correct. What procedure directs chemistry to sample? What procedure directs securing the purge. Why is the X15 alarm in the question? (BANK)Selected 029K2.03 as new K/A. Question to be replaced. 3/15/2006 Question Replaced, Kind of matches K/A. Abnormal condition is cmtt pressure approaching T/S limit and startup of purge is required. Actions for completing this are tested. SAT 4/03/2006 (Tough K/A to match)
61	F	2												S	034A1.02 Question appears to meet K/A. It is not modified the changes in the stem do not affect any of the distractors or the correct answer. It is understood that two distractors were changed however the correct answer is the same and it is in the same position as the original. (BANK) SAT 3/15/2006
62	H	2												S	041K4.17 Question appears to match K/A K/A changed with out NRC permission (NEW) K/A change allowed question is SAT. 3/14/2006
63	F	2												S	055k3.01 Question appears to match K/A. Distractor C and D are not plausible, and distractor A is also weak. Fix distractors or replace question. (BANK) Replaced question SAT 3/15/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units				Backward
64	F						X							079K1.01 Question appears to match K/A. Distractor B is not credible (this could not be done within 1 hour unless you have one in standby and ready to go). Distractor A also may not be credible. (BANK) Changed distractor B and Stem. Question SAT 3/15/2006.
65	F	2												001K6.14 Question appears to match K/A. (BANK) this is a memory level question see reference 2-0970030 Question SAT 3/15/2006
66	H	2	X	X					X					G2.1.20 Really does not match K/A. This is a collecting of verbs and how they may be used in a procedure. Do any of these steps actually state what the procedure states. Teaching in stem. Could not find this step in the procedure. Question to be replaced. 3/15/2006 Question Replaced SAT 4/03/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other Q= SR K/A O Onl y	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	# units				Backward
67	H	2				X							E	G2.1.11 Does not meet the K/A, and is not SRO only. The K/A asks for Knowledge of less than 1 hor action statements for systems, however this question asks which systems has a 1 hour T/S. It does not test the knowledge of the actions (what is to be done) Can be fixed. Used on 2002 NRC retake Exam. Level of difficulty is a 1 for an SRO. (BANK)
68	H	2				X						X	S	This K/A was swapped from the RO exam and needs to be swapped back to the RO exam. Will fix distractors 3/15/2006 Kind of matches K/A. Seems appropriate for an RO level question. SAT. 4/03/2006
69	F	2				X							S	G2.1.31 Question does not appear to match K/A what indications are they verifying correct? How is distractor D credible? (NEW) Replace Question 3/15/2006 Question replaced, appears to match K/A. SAT 4/03/2006
70	F	2											S	G2.2.1 Question appears to match K/A. Distractor A is not credible. Otherwise appears to be sat. (Bank) Work on distractor C replaced A. 3/15/2006 Made changes to distractor C. SAT 4/03/2006 G2.2.13 Question appears to match K/A.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues T/F	Cred. Dist.	Partial	Job-Link	Minutia #/units	Backward	Q=K/A				SR O/On/ly
71	H	2			X								U	G2.2.24 This K/A was swapped from the RO exam to the SRO exam and will be swapped back. Question does not really meet the K/A. This maintenance has no effect on operation. It should have been asked: Maintenance is required to be performed on can this Maintenance be performed? Or something similar. (BANK) Licensee will work on replacement 3/15/2006 Licensee replaced Question SAT. 4/03/2006
72	F	2			X								S	G2.3.4 Question appears to match K/A. Change distractor A to 25 REM. (BANK) changed as requested. 3/15/2006 SAT
73	F	2											S	G2.3.11 Question appears to match K/A.
74													S	G2.4.9 This K/A was swapped from the RO exam to the SRO exam and will be swapped back. How can A be the correct answer with S/G pressure stable? The answer states to isolate effected generator but both S/G pressures are stable. Does not make sense. (BANK) Select another question from bank Still needs work. 3/15/2006 Worked some on this question during the session. SAT 4/03/2006
75	H	2										X	S	G2.4.10 Question really doesn't match the K/A. This is just recognition of what has happened. It does not test the knowledge of the Annunciator response procedures. Question changed during review session now SAT 3/15/2006.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws			5. Other	6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia			

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
- Check the appropriate box if a psychometric flaw is identified:
 - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - The answer choices are a collection of unrelated true/false statements.
 - The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
- Check the appropriate box if a job content error is identified:
 - The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - The question requires the recall of knowledge that is too specific for the closed reference test mode (i.e., it is not required to be known from memory).
 - The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those that are designated SRO-only (K/A and license level mismatches are unacceptable).
- Based on the reviewer's judgment, is the question as written (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory? At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

SRO Questions													
76	H	2									X	U	015AA2.10 Question appears to match K/A. NRC randomly selected AA2.01 or AA2.08. Distractor D is not plausible the applicant is an SRO and is the Unit Supervisor. Question would be better if the time of 10 minutes were used in the distractors. Licensee selected AA2.10 on their own (This happened to be a BANK question instructed Licensee to use AA2.01 or AA2.08 as originally selected. wrote new question SAT 3/15/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A			SRO Only
77	H	2	X											U	029EA2.09 (4.4/4.5) Appears to meet K/A. Stem needs to have initial reactor power, an applicant could assume that power was at 45%, and then there may not be a correct answer. (NEW) Back on SRO changed SAT 3/15/2006
78	H	2										X	X	U	040AG2.4.6 Question does not meet K/A, and is not SRO only. This is procedure entry conditions and is not SRO only knowledge. K/A also asks for mitigation strategies and again this is only procedure entry conditions. Need to write question to meet K/A.. (BANK) Question Replaced SAT 3/15/2006
79	H	2										X		U	057AG2.1.33 Question meets K/A. Not modified, if the applicant knows the answer from the bank question, he can still answer this question because the original answer is still present and the action doesn't even need to be looked at. So the question really does not match the K/A at this point. (BANK) Replaced Question SAT 3/15/2006
80														S	Licensee picked a different K/A without NRC permission. The NRC will randomly select another KA. 062G2.4.45 selected. Replaced Question SAT 3/15/2006
81	H	1												U	065AG2.4.4 Question appears to match K/A. Actions are not required to be known to answer this question, knowing the result of a loss of air or charging and letdown is all that is required. Question needs more work. (BANK) Question was re written SAT 3/15/2006.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws			5. Other		6. U/E/S	7. Explanation		
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward			Q=K/A	SRO Only
82	H	2				X						X	X	U	003AG2.4.49 Question does not really meet the K/A, but is a good attempt. Not SRO only. Distractors do not appear to be credible. Correct answer has Local Linear heat rate, but T/S does not. D could also be correct. Replace or repair question. (BANK) Reworked questions SAT 3/15/2206
83	H	2										X		U	005AG2.4.50 Question does not really meet K/A. What system alarm setpoints are verified, and what actions in the alarm response procedure are in the question? (BANK) Reworked Question Sat. 3/15/2006
84														U	Licensee changed K/A without NRC permission. NRC randomly selected 032AA2.01 or 2.08. Licensee to write another question on correct K/A Wrote another question on 032AA2.06 Appears to be SAT 3/15/2006 NEW
85	H	2												E	060AA2.03 Question appears to match K/A. Distractor A does not appear to be credible (all pressures would have to go up to this to happen) to stop the release the only valve that needs to be closed is V6565, and this is in every answer. Need to explain flowpath, I can not see with the drawings provided. Reworked distractors Question appears to be SAT.3/15/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward				Q=K/A
86															003A2.05 Question appears to match K/A. B and D distractors are not credible. (Do you have a procedure to align CBO flow to the Quench Tank?) (NEW) Question written to address SRO only aspect. SAT 3/15/2006
87	H	2													062A2.05 Question appears to match K/A. Not sure if all the distractors are credible. Need to discuss. Again if an applicant remembered the bank question correctly he would not have to know what procedure to use. (MODIFIED) Question is not actually modified. SAT BANK
88	H	2										X			006A2.02 Question is close to K/A, however the actual flow path is still intact. A leak flow should be used (200 gpm) or similar instead of stating that a SBLOCA exists this will allow some of the other distractors to be more plausible. Question still needs work. (BANK) worked on stem
89	H	2				X									Question appears to be SAT. 3/15/2006
90	H	2													103G2.1.12 Question appears to match K/A. With the conditions of the inner door given why would anyone select B or D. These do not appear credible. (BANK) Question Rewritten SAT 3/15/2006
															064G2.1.32 Question appears to match K/A. Very simple but appears to be sat. (NEW) 3/15/2006 SAT

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				6. U/E/S	7. Explanation		
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward			Q=K/A	SRO Only
91	H	2				X	X							U	027A2.01 (K/A swapped from SRO exam) Need to change K/A back to original K/A) Otherwise this question appears to match the K/A. Would a fire cause this alarm to come in? If so how can you say distractor D is wrong. Question needs to be swapped back to the RO Exam. (NEW) question to be rewritten with actions from the ARP. Question Rewritten SAT 4/03/2006
92	H	2										X		U	075A2.02 Question matches part of the K/A. This is really a combination of system knowledge. 1 how does CW flow through the condenser, and two what is the trip setpoint. The Question should have something in it about the use of procedures. IAW ONOP.... What actions should be taken (BANK) Question Sat, actions added. 3/15/2006
93	H	2											X	U	041G2.1.33 Question Matches K/A Not SRO only, an RO would also know is he exceeded the cooldown rate limit. For an SRO what actions need to be taken IAW T/S. (NEW) 056G2.1.34 was selected and a New or Bank question will replace this one. 3/15/2006
94	F	2					X							S	Question replaced with new question SAT. 4/03/2006 G2.1.10 Question does not really meet the K/A. (Facility License not individual). Distractor C is also correct. (BANK) Question rewritten SAT 3/15/2006

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other	6. U/E/S	7. Explanation		
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward				Q=K/A	SRO Only
95	F	1											X	X	U	G2.1.25 Question appears to match K/A. How can distractor C be credible minimum flow of 3000gpm with a maximum flow of 2850 gpm? The minimum flow is a direct lookup. (BANK) This K/A was swapped with an SRO K/A and needs to be swapped back. Swapped back to SRO licensee to develop question for change in flow lineup. 3/15/2006 Question Rewritten appears to match K/A. SAT 4/03/2006
96	H	2											X		U	G2.2.24 This K/A was swapped from the RO exam to the SRO exam and will be swapped back. Question does not really meet the K/A. This maintenance has no effect on operation. It should have been asked: Maintenance is required to be performed on can this Maintenance be performed? Or something similar. (BANK) Question swapped back to original K/A G2.2.34 Question meets K/A. SAT 4/03/2006
97	F	1													U	G2.2.6 Question appears to match K/A. Teaching in stem. Question should read Who can approve a temporary change IAW... Look at ADM-11.03 section 6.1. As written does not have much discriminatory value. (BANK) SAT 3/15/2006
98	F	2											X	X	U	G2.3.9 Question does not meet K/A. Not SRO ONLY This question asks what needs to be performed to prevent exceeding T/S. It does not ask anything about the process, or what is involved in performing the purge. (BANK 2002 NRC Exam) Replaced Question SAT 3/15/2006 NEW

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				6. U/E/S	7. Explanation		
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia #/units	Backward	Q=K/A			Other SRO Only	
99	H	2	X											U	G2.4.9 This K/A was swapped from the RO exam to the SRO exam and will be swapped back. How can A be the correct answer with S/G pressure stable? The answer states to isolate effected generator but both S/G pressures are stable. Does not make sense. (BANK) Select another question from bank Still needs work. 3/15/2006 Question Replaced SAT 4/03/2006
100	H	2												E	G2.4.44 Question matches K/A. This is more in line with an Administrative JPM. There is not map to verify the zones. Licensee to pick another question from BANK 3/15/2006 Question Replaced SAT. 4/03/2006

Facility: St. Lucie		Date of Exam: April 6, 2006		Exam Level: RO <u>(SRO)</u>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<i>MS</i>	<i>N/A</i>	<i>MS</i>		
2. Answer key changes and question deletions justified and documented	<i>N/A</i>		<i>N/A</i>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>MS</i>		<i>MS</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>MS</i>		<i>MS</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>MS</i>	↓	<i>MS</i>		
Printed Name/Signature		Date			
a. Grader	<i>Garrod W. Lasica</i>	<i>5/10/06</i>			
b. Facility Reviewer(*)	<i>Richard A. Bandow</i>	<i>5/10/06</i>		<i>MS</i>	
c. NRC Chief Examiner (*)	<i>Richard A. Bandow</i>	<i>5/10/06</i>			
d. NRC Supervisor (*)	<i>James H. Moorman III</i>	<i>5.10.06</i>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

Post-Examination Check Sheet	
Facility: St. Lucie 2006-301	
Date of Examination: April 6, 2006	
Task Description	Date Complete
1. Facility written exam comments or graded exams received and verified complete	4/11/2006
2. Facility written exam comments reviewed and incorporated and NRC grading completed, if necessary	N/A
3. Operating tests graded by NRC examiners	5/10/2006
4. NRC chief examiner review of operating test and written exam grading completed	5/10/2006
5. Responsible supervisor review completed	5/10/2006
6. Management (licensing official) review completed	5/10/2006
7. License and denial letters mailed	5/10/2006
8. Facility notified of results	5/10/2006
9. Examination report issued (refer to NRC MC 0612)	5/25/2006
10. Reference material returned after final resolution of any appeals	N/A

To:
Mr. Gerry Laska
USNRC Region II
Sam Nunn Federal Center, 23 T85
61 Forsyth Street, SW
Atlanta, GA 30303-8931

The enclosed package contains the initial license examination submittal for our exam scheduled in March 2006. You should find the following items in the package:

- One (1) hard-copy of the submittal forms.
- Four (4) CDs with the reference materials needed for exam review
- One CD with an electronic copy of the exam materials. Note that the password for these files is unchanged from our previous submittal. I will email you a reminder of the password separate from this package.
- One hard-copy of FSAR curve showing pressure response to loss of load as an additional reference.

Please note that each CD with contain a "Readme" file that contains an overview of the items on the disk, and each disk is labeled with the general content areas.
If you have any questions regarding our submittal, please contact Doug Lauterbur at 772-467-7107.



Doug Lauterbur
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