

Administrative Documents  
**TURKEY POINT DEC. 2003**  
**EXAM 50-250/2003-301**

**DECEMBER 3 - 15, 2003**

- |                |  |            |
|----------------|--|------------|
| <del>1.</del>  | Exam Preparation Checklist .....   | ES-201-1 ✓ |
| <del>2.</del>  | Exam Outline Quality Checklist .....   | ES-201-2 ✓ |
|                | <i>(2 - DRAFT &amp; FINAL)</i>   |            |
| <del>3.</del>  | Exam Security Agreement .....  | ES-201-3 ✓ |
| <del>4.</del>  | Administrative Topics Outline (Final) .....                                  | ES-301-1 ✓ |
| <del>5.</del>  | Control Room Systems and Facility Walk-through Test Outline<br>(Final) ..... | ES-301-2 ✓ |
| <del>6.</del>  | Operating Test Quality Check Sheet .....                                     | ES-301-3 ✓ |
| <del>7.</del>  | Simulator Scenario Quality Check Sheet .....                                 | ES-301-4 ✓ |
| <del>8.</del>  | Transient and Event Checklist .....  | ES-301-5 ✓ |
| <del>9.</del>  | Competencies Checklist .....   | ES-301-6 ✓ |
| <del>10.</del> | Written Exam Quality Check Sheet .....                                       | ES-401-7 ✓ |
| <del>11.</del> | Written Exam Review Worksheet .....  | ES-401-9 ✓ |
| <del>12.</del> | Written Exam Grading Quality Checklist .....                                 | ES-403-1 ✓ |
| <del>13.</del> | Post-Exam Check Sheet .....  | ES-501-1 ✓ |

Facility: <u>Turkey Point</u>		Date of Examination: <u>12/8-10, 2003</u> <i>12/3-15/2003</i>
Examinations Developed by: _____ Operating by Facility / Written by NRC		
Target Date*	Task Description/ Reference	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a & b)	<i>TM</i>
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	<i>W</i>
-120	3. Facility contact briefed on security & other requirements (C.2.c)	<i>TM</i>
-120	4. Corporate notification letter sent (C.2.d)	<i>TM</i>
[-90]	[5. Reference material due (C.1.e; C.3.c)]	<i>TM</i>
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	<i>TM</i>
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	<i>TM</i>
-45	8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	<i>TM</i>
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202)	<i>TM</i>
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	<i>TM</i>
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	<i>TM</i>
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	<i>TM</i>
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	<i>CF: MFC 11/14/03</i> <i>WR: GH 12/9/03</i>
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	<i>TM</i>
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	<i>TM</i>
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	<i>TM</i>
<p>Target dates 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.</p> <p>[ ] Applies only to examinations prepared by the NRC.</p>		

(DRAFT) Sample Plan only

Facility: <u>Turkey Point</u>		Date of Examination: <u>12/3-15/2003</u>		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	Ⓟ	MA	RWS
	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.	Ⓟ	MA	RWS
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	Ⓟ	MA	RWS
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	Ⓟ	MA	RWS
2. S I M	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	N/A		
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity; ensure each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s)*, and scenarios will not be repeated <del>over successive</del> on subsequent days.			
	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.			
3. W / T	a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks, (2) no more than 30% of the test material is repeated from the last NRC examination, (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks.	N/A		
	b. Verify that: (1) the tasks are distributed among the safety function groupings as specified in ES-301, (2) one task is conducted in a low-power or shutdown condition, (3) <del>40%</del> 6 (2 - 3 for SRO-U) of the tasks require the applicant to implement an alternate path procedure, (4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and (5) the in-plant walk-through requires the applicant to enter the RCA.			
	c. Verify that the required administrative topics are covered, <del>with emphasis on performance-based activities.</del>			
	d. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on <del>successive</del> subsequent days.			
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	N/A		
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.			
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.			
	d. Check for duplication and overlap among exam sections.			
	e. Check the entire exam for balance of coverage.			
	f. Assess whether the exam fits the appropriate job level (RO or SRO).			
<div style="display: flex; justify-content: space-between;"> <div> <p>a. Author <u>STEVEN D. ROSE</u></p> <p>b. Facility Reviewer(*) <u>N/A</u></p> <p>c. NRC Chief Examiner(#) <u>Timothy C. Kolb / Timothy C. Kolb</u></p> <p>d. NRC Supervisor <u>Michael E. Carter / MICHAEL E. CARTER</u></p> </div> <div style="text-align: right;"> <p>Printed Name / Signature</p> <p>Date <u>10/6/02</u></p> <p># <u>3</u></p> <p><u>10-6-03</u></p> </div> </div>				
<p>Note: * Not applicable for NRC-developed examinations.</p> <p># Independent NRC reviewer initial items in Column "c," chief examiner concurrence required.</p>				

N/A items will be reviewed on final submittal.

Facility: <u>Turkey Point</u>		Date of Examination: <u>12/3-15/03</u>		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	<u>me</u>	<u>NA</u>	<u>DS</u>
	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.	<u>me</u>	<u>NA</u>	<u>DS</u>
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic tasks.	<u>me</u>	<u>NA</u>	<u>DS</u>
	d. Assess whether the justifications for deselected or rejected K/A elements are appropriate.	<u>me</u>	<u>NA</u>	<u>DS</u>
2. S I M	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	<u>me</u>	<u>NA</u>	<u>DS</u>
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity; ensure each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s)*, and scenarios will not be repeated over successive or subsequent days.	<u>me</u>	<u>NA</u>	<u>DS</u>
	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.	<u>me</u>	<u>NA</u>	<u>DS</u>
3. W /	a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks; (2) no more than 30% of the test material is repeated from the last NRC examination; (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks.	<u>W</u>	<u>NA</u>	<u>DS</u>
	b. Verify that: (1) the tasks are distributed among the safety function groupings as specified in ES-301, (2) one task is conducted in a low power or shutdown condition; (3) 40% - 60% (2 - 3 for SRO-U) of the tasks require the applicant to implement an alternate path procedure; (4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and (5) the in-plant walk-through requires the applicant to enter the RCA.	<u>W</u>	<u>NA</u>	<u>DS</u>
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	<u>W</u>	<u>NA</u>	<u>DS</u>
	d. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on successive subsequent days.	<u>W</u>	<u>NA</u>	<u>DS</u>
	e. Assess whether the exam fits the appropriate job level (RO or SRO).	<u>W</u>	<u>NA</u>	<u>DS</u>
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	<u>W</u>	<u>NA</u>	<u>DS</u>
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	<u>W</u>	<u>NA</u>	<u>DS</u>
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	<u>W</u>	<u>NA</u>	<u>DS</u>
	d. Check for duplication and overlap among exam sections.	<u>W</u>	<u>NA</u>	<u>DS</u>
	e. Check the entire exam for balance of coverage.	<u>W</u>	<u>NA</u>	<u>DS</u>
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	<u>W</u>	<u>NA</u>	<u>DS</u>
a. Author <u>T.C. Kolb / [Signature]</u> Printed Name / Signature b. Facility Reviewer (*) <u>William Miller / [Signature]</u> c. NRC Chief Examiner (#) <u>T.C. Kolb / [Signature]</u> d. NRC Supervisor <u>MICHAEL E. ERNSTES / [Signature]</u>		Date <u>11/28/03</u> <u>11-28-03</u> <u>11/28/03</u> <u>12/4/03</u>		

Note: \* Not applicable for NRC-developed examinations.  
# Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.

# SRO21 NRC EXAM

Turkey Point

ES-201

Examination Security Agreement







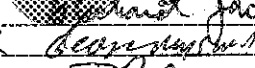
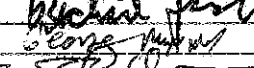
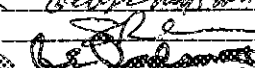
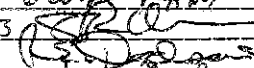
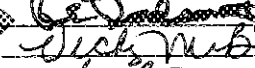
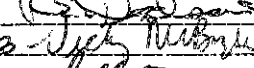
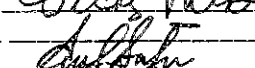
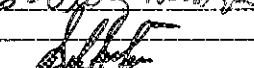
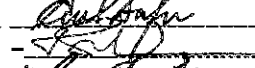
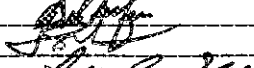
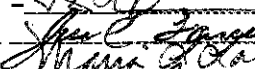
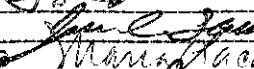
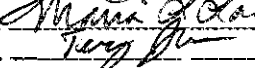
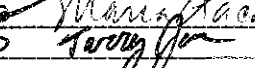
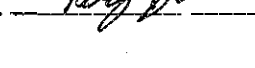
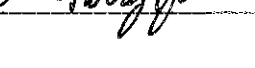




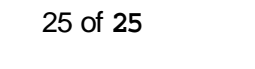



Form ES-201-3

## 1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 03-15 Dec 2003 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. 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 03-15 Dec 2003. 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. GLEN BLINDE	SIMULATOR EXAM DEVELOPER		08/03/03		12/15/03	
2. W.C. Miller	Exam Administrator		09/04/03		12-15-03	
3. Richard C. Bretton	Ops. Cont. Training - FPLA Representative		9-10-03		12-15-03	
4. FRANK LEDER	Sim. H/W Exam		9-12-03		12-16-03	
5. RICHARD JACOB	SIMULATING SUPERVISOR		9-26-03		12-22-03	
6. GEORGE MOYSSIDIS	SIMULATOR DEVELOPER		9-26-03		12-15-03	
7. S. R. ALLEN	EXAM REVIEWER		9-30-03		12-15-03	
8. R. E. DOBSON	SIMULATOR DEVELOPER		9/30/03		12/16/03	
9. VICKY McBRIDE	Admin Specialist		10/24/03		12/16/03	
10. MARIA LACAL						
11. SHAFER, SAM	EXAM REVIEWER		11/3/03		12/15/03	
12. STANLEY, JIM	EXAM REVIEWER		11/3/03		12/16/03	
13. GARCIA, JUAN	" "		11/6/03		12/16/03	
14. MARIA LACAL	OPERATIONS MGR.		11/21/03		12/15/03	
15. TERRY JONES	VP		11/25/03		12/18/03	

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 8-11 Dec 03 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. 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 person any information concerning the NRC licensing examinations administered during the week(s) of 8-11 Dec 03 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)	1. DC HENRY	OPS INSTRUCTOR	[Signature]	12/8/03	[Signature]	12-12-03	
(2)	2. G.A. LAUGHLIN	OPS TRNG SUPV	[Signature]	12/8/03	[Signature]	12-10-03	(1)
(3)	3. D. STOLIA	SHIFT TECHNICAL ADVISOR	[Signature]	12/8/03	[Signature]	1/5/04	
(2)	4. K. VOGT	OPS INSTRUCTOR	[Signature]	12-8-03	[Signature]	12/12/03	
	5. *3. STOLIA	OPS SUPV	[Signature]	12-9-03	[Signature]	12/14/03	(1)
	6.						
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## NOTES:

- (1) \* OBSERVED SURROGATE EVALUATIONS ONLY 12/14/03 12/15/03.  
 (1) Surrogate for simulator evaluations only.  
 (2) Security support during operative exam.  
 (3) STA for Simulator Scenarios Only.

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Dec 3-5, 2003, 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. 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 Dec 3-5, 2003. 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.	Michael W. Chambers	Instructor	<i>Michael W. Chambers</i>	12/3/03	<i>Michael W. Chambers</i>	12/5/03	
2.	Frank Wurster	Instructor	<i>Frank Wurster</i>	12/3/03	<i>Frank Wurster</i>	12/5/03	
3.	Robert Meixell	Shift Manager	<i>Robert Meixell</i>	12/3/03	<i>Robert Meixell</i>	12/5/03	
4.	John Shepard	INSTRUCTOR	<i>John Shepard</i>	12/4/03	<i>John Shepard</i>	12/5/03	
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15.							

NOTES:

FINAL

ES-301

Administrative Topics Outline

Form ES-301-1

Facility: Turkey Point Units 3 & 4

Date of Examination: December, 2003

Exam Level: SRO (I)

Operating Test Number: 1

Administrative Topic (See Note)	Describe activity to be performed
Conduct of Operations	<b>G.2.1.7(3.7/4.4)</b> In preparation for a planned reactor power change, perform a reactivity management calculation to determine the correct volume of boric acid to be added to the RCS to achieve the desired power change. (M) (15 min.)
Conduct of Operations	<b>G.2.1.12 (2.9/4.0)</b> Evaluate the applicable Technical Specification(s) in the event of the unexpected outage of the Unit 4 Startup Transformer when Unit 4 is at 100% power and Unit 3 is in Mode 4. List all Limiting Conditions for Operations affected, Action Statement required operator responses, options and time limits. (N) (30 min.)
Equipment Control	<b>G.2.2.18 (2.3/3.6)</b> Determine Contingency Actions due to loss of a CCW pump during RCS reduced inventory operation and Phase II decay beat load conditions. (M) (15 min.)
Radiation Control	<b>G.2.3.6 (2.1/3.1)</b> Review for the purpose of approving a radioactive liquid release permit. Identify all of the embedded errors. (M) (15 min.)
Emergency Plan	<b>G.2.4.40 (2.3/4.0)</b> Review for the purpose of approving the Florida Nuclear Plant Emergency Notification Form. Identify all of the embedded errors. (M) (20 min.)
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.	



Facility: Turkey Point Units 3 & 4

Date of Examination: December, 2003

Exam Level: SRO (I) **SRO (U)**

Operating Test Number: 1

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

Systems/JPM Title	Type Code*	Safety Function
a. <b>006/ Transfer to <u>Alternate</u> Hot Leg Recirculation (15 min.)</b> (Based on HHSI Hot Leg path valve failure)	(A) (S) (L) (D)	2
h. 005/ Respond to Loss of Residual Heat Removal (30 min.) (RHR Pump Trip & FCV-605 failure)	(A) (S) (L) (M)	4
c. 004/ CVCS Respond to FCV-113A Failure During Boration (20 min.) (Requiring use of emergency boration valve)	(A) (S) (L) (M)	1
d. 010/ Respond to a Pressurizer Pressure Control Malfunction (10 min.) (PT-444 failure + spray valve stuck open requiring reactor trip)	(A) (S) (D)	3
e. 015/ Place Power Range N-44 in Service/Respond to loss of Power Range Channel N-44 (15 min.)	(A) (S) (N)	7
f. <b>061/ Shutdown 2 AFW Pumps with Start Signals Present While in the EOPs (25 min.)</b>	(A) (S) (D)	4
g. 062/ Restore Power to 3B 4KV Bus (10 min.) (Restores degraded CCW System)	(S) (L) (N)	6
h.		

~~In-Plant~~ Systems (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)

i. <b>028/ Locally Place Unit 4 Hydrogen Monitor in Service Post-LOCA</b> (20 min.)	(R) (M)	5
j. <b>008/ Split CCW Headers in Response to Leakage on 4A GCW Header (20 min.)</b>	(R) (D)	8
k. <b>062/ Respond to a Loss of Vital Instrument Bus 4P08</b> (Locally swap to spare inverter) (30 min.)	(N)	6

\*Type Codes: ((D)irect from bank, (M)odified from bank, (N)ew, (A)lternate Path, (C)ontrol room, (S)imulator, (L)ow Power, (R)CA **Bold Print – JPMs performed by SRO-U**

FINAL

Facility <u>Turkey Point</u>		Rate of Examination <u>12/3-12/03</u>		Operating Test Number:		
1. GENERAL CRITERIA				Initials		
				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).			W	MS	TM
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.			W	MS	TM
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).			W	MS	TM
d.	Overlap with the written examination and between different parts of the operating test categories is within acceptable limits.			W	MS	TM
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.			W	MS	TM
2. WALK-THROUGH (CATEGORY A & B) CRITERIA				--	--	--
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>initial conditions</li> <li>initiating cues</li> <li>references and tools, including associated procedures</li> <li>reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>specific performance criteria that include: <ul style="list-style-type: none"> <li>detailed expected actions with exact criteria and nomenclature</li> <li>system response and other examiner cues</li> <li>statements describing important observations to be made by the applicant</li> <li>criteria for successful completion of the task</li> <li>identification of critical steps and their associated performance standards</li> <li>restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>			W	MS	TM
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.					
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.			W	MS	TM
d.	At least 20 percent of the JPMs on each test are new or significantly modified.			W	MS	TM
3. SIMULATOR (CATEGORY C) CRITERIA				--	--	--
a.	The associated simulator operating tests, scenario sets, have been reviewed in accordance with Form ES-301-4 and a copy is attached.			W	MS	TM
Printed Name / Signature <u>GLEN BLINDE</u> <u>11/08/03</u> a. Author <u>William C. Miller / W.C. Miller</u> <u>11-06-03</u> b. Facility Reviewer(*) <u>Richard C. Bretton</u> <u>11-6-3</u> c. NRC Chief Examiner (#) <u>William C. Kolb</u> <u>11-14-03</u> d. NRC Supervisor <u>MICHAEL E. ERNSTES</u> <u>11/14/03</u>						
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						

FINAL

Facility: <i>Turkey Point</i>		Date of Exam: <i>12/5-12/03</i>		Scenario Numbers: <i>11 213/4</i>		Operating Test No.:	
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.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
2.	The scenarios consist mostly of related events.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
3.	Each event description consists of . the point in the scenario when it is to be initiated . the malfunction(s) that are entered to initiate the event . the symptoms/cues that will be visible to the crew . the expected operator actions (by shift position) . the event termination point (if applicable)			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
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.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
5.	The events are valid with regard to physics and thermodynamics.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
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.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
8.	The simulator modeling is not altered.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
9.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
10.	Every operator will be evaluated using at least one new or significant, modified scenario. All other scenarios have been altered in accordance with Section D.45 of ES-301.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-8 (submit the form along with the simulator scenarios).			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
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).			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.			<i>GRB</i>	<i>MS</i>	<i>GRB</i>	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4-D5, d)				Actual Attributes			
				1	2	3	4
1.	Total malfunctions (5-8)			<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>
2.	Malfunctions after EOP entry (1-2)			<i>2</i>	<i>2</i>	<i>1</i>	<i>2</i>
3.	Abnormal events (2-4)			<i>2</i>	<i>2</i>	<i>3</i>	<i>2</i>
4.	Major transients (1-2)			<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
5.	EOPs entered/requiring substantive actions (1-2)			<i>2</i>	<i>2</i>	<i>1</i>	<i>2</i>
6.	EOP contingencies requiring substantive actions (0-2)			<i>1</i>	<i>2</i>	<i>2</i>	<i>0</i>
7.	Critical tasks (2-3)			<i>2</i>	<i>2</i>	<i>1</i>	<i>2</i>

values in parentheses include optional/conditional events

FINAL

ES-301

Transient and Event Checklist

Form ES-301-5

Turkey Point

OPERATING TEST NO.: 1-4

Applicant Type	Evolution Type	Minimum Number	Scenario Number							
			1		2		3		4	
			RO	BOP	RO	BOP	RO	BOP	RO	BOP
RO	Reactivity	1*								
	Normal	1*								
	Instrument / Component	4*								
	Major	1								
As RO	Reactivity	1*	1	1	0 (1)	0 (1)	1	1	1	1
	Normal	0	0	1	0	1	1	0	0	1
	Instrument / Component	2*	4	1 (2)	1 (2)	2	3 (4)	2 (3)	4	1 (2)
	Major	1	1	1	1	1	1	1	1	1
SRO-I			ERO		SRO		SRO		SRO	
	Reactivity	0	1	-	0 (1)	-	1	-	1	-
	Normal	1*	1	-	1	-	1	-	1	-
	Instrument / Component	2*	4 (5)	-	4 (5)	-	4 (5)	-	4 (5)	-
As SRO	Major	1	1	-	1	-	1	-	1	-
			SRO		SRO		SRO		SRO	
	Reactivity	0	1	-	0 (1)	-	1	-	1	-
	Normal	1*	1	-	1	-	1	-	1	-
SRO-U	Instrument / Component	2*	4 (5)	-	4 (5)	-	4 (5)	-	4 (5)	-
	Major	1	1	-	1	-	1	-	1	-

Not applicable. No RO license candidates

Values in parentheses include optional/conditional events.

- Instructions:
- (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
  - (2) Reactivity manipulations may be conducted under normal or controlled abnormal conditions (refer to Section D.45.d) but must be significant per Section C.2.a of Appendix D. \* Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a one-for-one basis.
  - (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:

*[Signature]* I. G. M. BLINDE

NRC Reviewer:

*[Signature]* T. C. Kolb  
*[Signature]* R. Azzello

Turkey Point

Competencies	SRO-Applicant #1 RO/SRO-/SRO-U				RO-Applicant #2 RO/SRO-/SRO-U				BOP-Applicant #3 RO/SRO-/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms												
Interpret / Diagnose Events and Conditions	2,3,5 6,7,8	2,3,5 6,8,9	2,3,5 6,7,8	2,3,4 5,6,7	3,5,6 8	2,3 6,7	2,4,5 6,7		2,5,6 8	2,5,6 8	2,5,6 8	2,5,6 8
Understand Plant and System Response												
Comply With and Use Procedures (1)	1-8	1-9	1-8	1-3 5-7	2,3 4,6,7	3 8	2,5 6,7		1,2,4 5,6,7	1,2 4-9	2,4 8	1,3 5-7
Operate Control Boards (2)	N/A	N/A	N/A	N/A	3-8	1-4 6-7	1-4 6-7		1,2,4 5,6,7	1,2 4-9	2,4 8	1,3 5,7
Communicate and Interact With the Crew	1-8	1-9	1-8	1-7	2-4 6-8	1-8	2,4-7		1,2,4 5,6,7	1,2 4-9	2,4 8	1,3-7
Demonstrate Supervisory Ability (3)	1-8	1-9	1-8	1-7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comply With and Use Tech. Specs. (3)	2,5	2,5	2,5	2,5	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 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:

G.M. BLINDE

NRC Reviewer:

T.C. Kolb / rubolt / R. ARNOLD

Facility: <u>Turkey Point</u>		Date of Exam: <u>12-15-03</u>		Exam Level: RO/SRO	
		<u>12-15-03</u>		Initial	
Item Description		a	b*	c*	
1. Questions and answers technically accurate and applicable to facility		<input checked="" type="checkbox"/>	<u>MA</u>	<u>pass</u>	
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
3. SRO questions are appropriate per Section D.2.d of ES-401		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: ___ the audit exam was systematically and randomly developed; or ___ the audit exam was completed before the license exam was started; or <input checked="" type="checkbox"/> the examinations were developed independently; or ___ the licensee certifies that there is no duplication; or ___ other (explain)		<input checked="" type="checkbox"/>	<u>MA</u>	<u>pass</u>	
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual RO / SRO-only question distribution(s) at right	Bank <u>30/6</u>	Modified <u>13/2</u>	New <u>32/17</u>	<input checked="" type="checkbox"/>	<u>pass</u>
7. Between 50 and 60 percent of the questions 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 <u>36/6</u>	C/A <u>39/19</u>	<input checked="" type="checkbox"/>	<u>pass</u>	<u>pass</u>
8. References/handouts provided do not give away answers		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
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		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
10. Question psychometric quality and format meet ES, Appendix B, guidelines		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet		<input checked="" type="checkbox"/>	<u>1</u>	<u>pass</u>	
Printed Name / Signature		Date			
a. Author <u>STEVEN D. ROSE / [Signature]</u>					
b. Facility Reviewer (*) <u>N/A</u>					
c. NRC Chief Examiner (#) <u>[Signature]</u>		<u>12-1-03</u>			
d. NRC Regional Supervisor <u>[Signature]</u>		<u>12-7-03</u>			
Note	* The facility reviewer's initials/signature are not applicable for NRC-developed # independent NRC reviewer in "c" chief examiner concurrence required				

Handwritten initials or mark.

ES-401

Written Examination  
Turkey Point Review Worksheet

Form ES-401-9

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			
Instructions																
[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]																
1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.																
2. 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).																
3. 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. One or more than one distractors is not credible. One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).																
4. 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 KIA 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.																
5. Check questions that are sampled for conformance with the approved KIA and those that are designated SRO-only (K/A and license level mismatches are unacceptable).																
6. Based on the reviewer's judgment, is the question as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?																
7. At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).																
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			
RO/SRO Combined Question																
1	H	3											Y	N	E	001K3.01, CIA 2.9/3.0, Bank 10/29/03 RFA Suggest "Pressurizer level ____ and letdown flow ____" then fill in the blank with choices of increase or decrease.
															S	10/30/03 SDR Comment not accepted, branch has no preference

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		
2	H	3										Y	N	E  S	003K3.04, CIA 3.9I4.1 New 10/29/03 RFA Typo in the stem. RPS system should be just RPS. Either say if the high ... or if a high ... not if the a high. Suggest distractw "C" read RPS will see a high flow signal on one channels of "B" loop. No reactor trip will occur. Move "RPS will see a" to the stem. 10/30/03 SDR Comment accepted 11/28/03 Facility requested minor wording change and added "only" to response "C" to ensure incorrect. 12/15/03 TCK Requested changes incorporated.
3	H	3				X						Y	N	E  S	004A4.19, CIA 3.1/2.8, New 10/29/03 RFA Distractor "D" is not plausible. Suggest: The letdown isolation vane will not auto close on a loss of control air or loss of 125 vdc. 10/30/03 SDR Comment not accepted, this distractor suggestion does not support the stem. Distractor "D" is plausible in that operators should know the proper sequence
4	F H	2										Y	N	S	005A4.02, C/A 3.4/3.1, Bank 10/29/03 RFA Question is system knowledge. LOK + F 10/30/03 SDR Comment not accepted. According to direction from Usova, the operator has to know multiple pieces of information, so this is CIA.
5	F	3										Y	N	E  S	006K6.03, MEM 3.6/3.9, Bank 10/29/03 RFA Distractor "C" is not plausible. Suggest: "Depressurize the RCS to allow low head safety injection." 10/30/03 SDR Comment accepted. 11/28/03 Facility requested editorial change. 12/5/03 TCK Requested changes incorporated.
6	H	3										Y	N	E  S	007A1.01, CIA 2.9/3.1, New 10/30/03 RFA Since the question solicits an action: Reword didstractors to Reduce PRT temperature. reduce PRT level, Reduce PRT pressure, Obtain a grab sample. 10/30/03 SDR Comment accepted 11/28/03 Facility requested editorial change. 12/5/03 TCK Requested changes incorporated.
7	H	3										Y	N	S	007EK2.02, CIA 2.6/2.8. New 10/29/03 RFA OK 11/28/03 Facility requested editorial change. 12/5/03 TCK Requested changes incorporated.



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		
8	H	3										Y	N	S*	008AG2.4.21, C/A 2.8/3.8, Bank 10/29/03 RFA Needs to be verified. 10/31/03 TCK OK 11/28/03 Facility requested words to be moved from answers to stem. 12/5/03 TCK Requested changes incorporated.
9	H	3										Y	N	E S	008G2.1.28, C/A 3.2/3.3, New 10/29/03 RFA Change "to the restore" to "to restore" in the stem. 10/30/03 SDR Comment accepted 11/28/03 Facility requested wording changes to simplify responses. Revised "A" to reflect flow rate vs. pressure to balance responses. 12/5/03 TCK Left "momentarily" in stem to make answers more plausible. Otherwise, accepted proposed changes.
10	H	3										Y	N	E S	008K1.04, C/A 3.3/3.3, Modified 10/29/03 RFA Change "in service" to "in-service" 10/30/03 SDR Comment accepted 11/28/03 Facility proposed an new question due to reverse logic. 12/5/03 TCK Requested changes incorporated.
11	M	2										Y	N	S	010K2.02 MEM 2.5/2.7, Bank 10/29/03 RFA OK
12	M	3				X						Y	N	E S	011EK3.02, MEM 3.5/3.7, Bank 10/29/03 RFA Distractor D is not plausible. Suggest: To minimize SG pressure drop to ensure adequate steam pressure is available for SDAFW pump operation. Distractor Analysis is not valid because initial condition already stated that a LOCA has occurred. 10/30/03 SDR Comment accepted
13	M	3				X						Y	N	E S	012G2.1.33, MEM 3.4/4.0, Bank 10/29/03 RFA Distractor "C" appears to say basically the same thing as "D." Example: There are 4 marbles and 2 of them are bad. "C" says do not pick up marbles 3 and 4. "D" says pick up marbles 1 and 2. 10/30/03 SDR Comment not accepted. IAW ONOP-049.1 this step 5.4.1 caution states that the BS that are required are tripped unless it results in ESF. To do distractor "C" would be incorrect IAW the EOP.
14	H	3										•	N	E S	013K6.01, C/A 2.7/3.1, Bank 10/29/03 RFA IAW the reference, a reactor trip WILL occur first which makes distractor "A" also correct. Re-evaluate 10/30/03 SDR Comment not accepted. Plant status is <P10 so scram will not occur on low pressurizer pressure. 11/28/03 Facility added setpoints to choices "A" and "B". 12/5/03 TCK Requested changes incorporated.

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=	SRO K/A Only		
15	F	3									Y	N	S	015AA1.22, MEM 4.0/4.2, Modified 10/29/03 RFA OK 11/28/03 Facility requested minor wording changes. 12/5/03 TCK Requested changes incorporated.
16	F	2									Y	N	S	015K1.01, MEM 4.1/4.2, Bank 10/29/03 RFA OK
17	H	3									Y	N	E S	016A2.04, C/A 2.5/2.6, New 10/29/03 RFA Change the quotes ' ' to " " (All Questions) 10/30/03 SDR Comment not incorporated. Beautification.
18	H	3									Y	N	S	017A4.01, C/A 3.8/4.1, New 10/29/03 RFA OK 11/12/03 TCK Removed statement in stem referring to 'immediate actions' per ONOP 050. This gave a clue to answering SRO question 005G2.4.49. 11/28/03 Facility requested minor wording changes. 12/5/03 TCK Requested changes incorporated.
19	F	3									Y	N	E S	022A4.03, MEM 3.2/3.2, New 10/29/03 RFA Distractors A,B, D Change "switch in ON" to "switch in the ON position" Distractors B,D Change "it's" to "its" 10/30/03 SDR Comments incorporated. 11/28/03 Facility requested changing "cooling unit" to "NCC". Revised answer "D" since it could be interpreted as being correct. 12/5/03 TCK Requested changes incorporated.
20	H	4									N	N	S*S	024AA2.06, C/A 3.6/3.7, Modified 10/29/03 RFA Change 3rd paragraph of stem to the following: After 100 minutes of emergency borating, ... *024AA2.06 refers to boron dilution. Suggest AA2.05 boron addition. 10/30/03 SDR Matches K/A due to interpreting amount of boron addition. Answer 'A' is correct if temp is increasing and 2 S/G not available. 10/31/03 TCK Agree with actions taken and still meets K/A. 11/28/03 Facility requested minor wording change. 12/5/03 TCK Requested changes incorporated.

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	
21	H	4									Y	Y?	?  025AK3.01, C/A 3.1/3.4, Modified 10/29/03 RFA According to the procedure and attachment 2, "A" is the correct answer. Re-evaluate Maybe SRO only 10/30/03 SDR Procedure actions for loss of RHR so RO should know. Answer "A" is correct if temperature is increasing and 2 S/G not available. 11/28/03 Facility requested adding another bullet to stem to ensure conditions such that a RCP cannot be started. Also changed stem to address loss of "A" RHP Pp instead of "B". 12/5/02 TCK Requested changes incorporated.
22	H	3									Y	N	S  026K4.04, C/A 3.7/4.1, Bank 10/29/03 RFA Verify answer with facility. 11/13/03 TCK Answer verified correct with utility. OK
23	H	3									Y	N	S  027AK2.03, C/A 2.6/2.8, Bank 10/29/03 RFA OK
24	F	Z									Y	N	E 027K5.01, MEM 3.1/3.4, New 10/29/03 RFA Move "The ECF Units contain" to the stem KA Imp = 3.1/3.4 not 3.4/3.7 10/30/03 SDR Comment accepted 11/28/03 Facility requested minor wording changes. 12/5/03 TCK Requested changes incorporated.
25	H	Z				X					Y	N	U 028AG2.4.31, C/A 3.3/3.4, Modified 10/29/03 RFA Distractors "A" & "C" can be ruled out. Because if "C" was correct, "A" would be also. Applicant knows there can be only one correct answer. Re-write distractor "A" or "C" (i.e. Distractor "A" is a subset of Distractor "C") 10/30/03 Comment accepted 11/28/03 Facility requested minor wording change and to add additional words to "D" since it was also a correct answer. 12/5/03 TCK Requested changes incorporated.
26	F	3									Y	N	E 029A3.01, MEM 3.8/4.0, Modified 10/29/03 RFA The stem contains 2 identical bullets. 10/30/03 SDR Comment accepted 11/28/03 Facility suggested rewrite of question so that it addresses how the plant operates. 12/5/03 TCK Requested changes incorporated.

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 #	Back- ward	Q=	SRO	Only		
27	H	3									Y	N		E	029EA2.05, C/A 3.4/3.4, New 10/29/03 RFA Change stem: "describes next action(s)" to "describes the next action(s)" 10/30/03 SDR Comment accepted 11/28/03 Facility revised stem into bullet format. 12/5/03 TCK Requested changes incorporated.
28	H	2				X					Y	N		E	032AK1.01, C/A 2.5/3.1, Bank 10/29/03 RFA Distractor "A" is not plausible. Recommend: Change distractor "A" to be the opposite of distractor "C". ... increase because ... 10/30/03 SDR Comment not accepted. What if the applicant does not know that it has an affect.. By changing distractor "A" we cannot test that knowledge deficiency. 10/31/03 TCK Agree. Leave as is. 11/28/03 Facility suggested changing nomenclature in "C" and "D" to match their terminology. Other minor changes. 12/5/03 TCK Requested changes incorporated.
29	F	2									Y	N		S	033G2.1.28, MEM 3.2/3.3, Bank 10/29/03 TCK, OK 11/28/03 Facility suggested minor editorial changes. 12/5/03 TCK Requested changes incorporated.
30	F	3									Y	N		S	039K1.09, MEM 2.7/2.7, New 10/29/03 RFA OK
31	H	3									N	Y		U	039K5.01, MEM 2.9/3.1, Bank 10/29/03 RFA There is an element of correctness to all the distractors. Recommendation: replace the question 10/30/03 SDR Comment not accepted. Facility evaluate. 10/31/03 TCK Question meets K/A. Question is easy but it meets all requirements. 11/05/03 TCK Facility verified for accuracy. 11/28/03 Facility suggested changing "condensate" to "water". 12/5/03 TCK Requested changes incorporated.
32	H	3									Y	Y		U	040AA1.23, C/A 3.6/3.5, New 10/29/03 RFA This question is solidifying a procedural action. KA 040AA1.23 is ability to operate/monitor pressure gages for a pressure drop. This is more SRO only. 11/13/03 TCK Reviewed question again and believe it meets K/A. 11/28/03 Facility clarified location of steam line break in stem. 12/5/03 TCK Requested changes incorporated.

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 #	Back- ward	Q= K/A	SRO Only			
33	H	2				X					Y	N	U	041A2.03, C/A 2.8/3.1, New 10/29/03 TCK, Change the stem from "on the line to the Steam Dumps" to "on the line supplying the Steam Dumps". Since the steam dumps can only be operated manually then they are inoperable per TS. If the unit has to be shutdown because of this then distractor C and/or D may be correct also. 10/31/03 SDR Incorporated first change. Steam dumps are not in TS so C and D are not correct. 11/13/03 TCK Question replaced since utility could not verify references. New question OK. 11/28/03 Facility requested revising stem to indicate a "Loss of Instrument Air". 12/5/03 TCK Requested changes incorporated.	
34	H	3				X					Y	N	U	051AG2.2.2, C/A 4.0/3.5, New 10/29/03 TCK, There is no correct answer since the immediate action per procedure is to place hogging jet into service. This must be done prior to tripping reactor even if in the "Do not operate" range. Suggest modifying answer A such that "start reducing load and monitor condenser vacuum. Trip reactor if unable to restore vacuum. Also, may need reference for this question since answer is in subsequent actions. 10/31/03 SDR Modified question so that stem states that hogging jet is in service. Facility will decide if they need reference.	
35	H	2									Y	N	U	S	054AK1.01, C/A 4.1/4.3, Bank 10/29/03 TCK, Would it be plausible to change distractor A or D such that a S/G reference leg or variable leg instrument line has failed? 10/31/03 SDR Left as-is so the question didn't point everything to a leak in containment. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK bb Requested changes incorporated.
36	H	2									Y	N	E	*	055EA2.03, C/A 3.9/4.7, New 10/29/03 TCK, Revise correct answer to "placed in Pull to Lock to prevent a potential bus overload when power is restored." Distractor C needs the word "required" removed at end. Distractor D needs revised "ensures alignment for injection without operator action." 10/31/03 SDR Comments incorporated. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.

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		
37	F	2										Y	N	E	056AA1.24, MEM 2.9/3.0, Bank 10/29/03 TCK, Remove "occurs" in stem. Remove "indications" and change "indicator" to "indication" in the stem. Suggest making distractors "B" correct and "C" incorrect since "C" seems more plausible. S 10/31/03 SDR Incorporated comments except changing correct answer. This would take question away from K/A topic. 11/28/03 Facility requested revising stem to indicate successful natural circulation. 12/5/03 TCK Requested changes incorporated.
38	H	3				X						Y	N	U	056G2.1.2, C/A 3.0/4.0, New 10/29/03 TCK, Distractor "B" may be correct also since a "pump in service" requires the suction valve to be open. Suggest changing it to say when both the suction and discharge valves are open. S 10/30/03 SDR Irregardless of whether pump is in service, the condenser has to be at a vacuum for the answer to be correct. No change made.
39	F	3										Y	N	S	057AA2.19, MEM 4.0/4.3, Bank 10/29/03 TCK, OK 11/28/03 Facility proposed a rewrite of the question since it was a level 5 question. 12/5/03 TCK Requested changes incorporated.
40	F	2-3				X						Y	N	U	058AA2.03, MEM 3.5/3.9, Modified 10/29/03 TCK. Move "3D01" in the stem after "DC Bus". Suggest revising distractor "D" since 3A Load Sequencer will be lost which prevents some Safeguards equipment from starting. This could be interpreted as a correct answer. S 10/30/03 SDR All requested changes incorporated.
41	F	2										Y	N	S	059K4.16, MEM 3.1/3.2, Bank 10/29/03 TCK, OK 11/28/03 Facility requested minor editorial changes. 12/5/03 TCK Requested changes incorporated.
42	H	3										Y	N	E	061A1.01, C/A 3.3/3.6, New 10/29/03 TCK. Change distractor "A" from 22% to 32% to make the distractors more even and this one more plausible. S 10/30/03 SDR Requested change incorporated. 11/28/03 Facility requested minor editorial changes. 12/5/03 TCK Requested changes incorporated.

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=	SRO K/A Only		
43	F	2-3										Y	N	E	061K6.02, MEM 2.5/2.8, Modified 10/29/03 TCK, Revise stem to "consequence of a fire involving the Unit 3....." For distractor "C" add "within 2 hours" after "verified operable". 10/30/03 SDR Requested changes incorporated. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.
44	F	2										Y	N	E	062A1.01, MEM 3.4/3.8, Bank 10/29/03 TCK, In stem make "prior" all capital letters. 10/30/03 SDR Requested change incorporated. 11/13/03 TCK Distractor plausibility verified with utility as requested.
45	F	2										Y	N	E	062A3.04, MEM 2.7/2.9, Bank 10/29/03 TCK, Remove "The AUTOMATIC STATIC TRANSFER switch will transfer the load to the" and move it to the stem. Change "C" and "D" to say "and automatically transfers back to the NORMAL inverter." The 5 seconds is given in the stem. 10/30/03 SDR Requested changes incorporated. 11/13/03 TCK Facility verified auto transfer of inverter. OK. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.
46	F	2										Y	N	E	062AK3.03, MEM 4.0/4.2, Bank 10/29/03 TCK, Safeguards is spelled wrong in all places. Regards is spelled wrong in stem. Order is spelled wrong in distractor "A". 10/30/03 SDR Requested changes incorporated.
47	F	2										Y	N	S	063K3.02, MEM 3.5/3.7, Bank 10/29/03 TCK, OK
48	F	3										Y	N	E	064A3.07, MEM 4.0/4.0, Bank 10/29/03 TCK, change loss of off-site power to "Loss of Off-Site Power". 10/30/03 SDR Requested change incorporated.
49	F	2										Y	N	E	067AK1.02, MEM 3.1/3.9, Modified 10/29/03 TCK, Change the stem to "Which ONE of the following describes the current status of the fire pumps?" 10/30/03 SDR Requested change incorporated. 11/28/03 Facility requested removing "rapidly" from stem. 12/5/03 TCK Requested changes incorporated.

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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=	SRO K/A Only		
50	H	2-3										Y	N	E	071K1.06 C/A 3.1/3.1, Modified 10/29/03 TCK, Move "RCV-014, Waste Disposal System Gas Decay Tank Discharge valve will..." to the stem. Swap "A" and "B" answers around. 10/30/03 SDR Incorporated first request only. 2nd request not necessary. 11/13/03 TCK Facility verified answer is supported by documentation. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.
51	F	3		X								Y	N	U	073K5.01, MEM 2.5/3.0, Modified 10/29/03 TCK, Remove "(n)" in stem. Radioactivity is spelled wrong in stem. Remove "detector" in stem. 10/30/03 SDR Requested changes incorporated.
52	H	2		X								Y	N	U	076A2.01, C/A 3.5/3.7, Modified 10/29/03 TCK, Remove "causing" in stem. Revise distractor "C" to say "Increase cooling water flow to the turbine lube oil cooler to reduce bearing temperatures and implement..." If you leave "trip criteria" in the answer then this gives a cue. Add "within 1 hour" after "shutdown". 10/30/03 SDR Incorporated all suggestions except the last one since this is a normal 3.0.3 action. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.
53	F	2-3										Y	N	E	076K4.02, MEM 2.9/3.2, Bank 10/29/03 TCK, Change "ICW" to "(ICW)" in stem. Racked is spelled wrong in stem. Suggest changing stem to have the "B" ICW pump in pTL instead of racked out. This will make "A" the correct answer and change the question to modified. Mark the correct answer. 10/30/03 SDR Requested changes incorporated. 11/28/03 Facility requested removing words in stem that indicate the pump will start since the pump is already running. 12/5/03 TCK Requested changes incorporated.
54	F	2-3										Y	N	S	078K3.01, MEM 3.1/3.4, Bank 10/29/03 TCK, OK 11/28/03 Facility requests to add valve number to stem. 12/5/03 TCK Requested changes incorporated.
55	H	3										Y	N	E	078K4.02, C/A 3.2/3.5, New 10/29/03 TCK, Remove extra "on" in stem. Change "close" to "closed" in distractor "A" and "B". 10/30/03 SDR Requested changes incorporated. 11/28/03 Facility requested to move words out of answers to the stem. 12/5/03 TCK Requested changes incorporated.



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
56	H	2				X					Y	N	U	086K5.04, C/A 2.9/3.5, Modified 10/29/03 TCK, Distractor "D" is not plausible. Replace it with the automatic or manual CO2 system actuation. 10/30/03 SDR Requested change incorporated. 11/28/03 Facility requested minor editorial changes. 12/5/03 TCK Requested changes incorporated.
57	F	2									Y	N	E	103A3.01, MEM 3.9/4.2, Bank 10/29/03 TCK, Rmve brackets around the "s" in the stem. Remove the comma after 'A' in distractors A and C. 10/30/03 SDR Requested changes incorporated. 11/28/03 Facility requested minor editorial changes. 12/5/03 TCK Requested changes incorporated.
58	F	3									Y	N	S	G2.1.11, MEM 3.0/3.8, Modified 10/29/03 TCK, OK
59	F	Z									Y	N	S	G2.1.20, MEM 4.3/4.2, Bank 10/29/03 TCK, OK 11/28/03 Facility requested word consolidation to the stem. 12/5/03 TCK Requested changes incorporated.
60	F	2									N	N	E S U S	G2.1.27, MEM 2.8/2.9, Modified 10/29/03 TCK, Swap answer "A" and "B". 10/31/03 SDR Recommendation not accepted. Beautification. 11/13/03 TCK Does not match K/A. Replace question. 11/13/03 TCK Replaced the question with a bank question. OK.
61	F	2-3									Y	N	E S	G2.2.11, MEM 2.5/3.4, Bank 10/29/03 TCK, Need to verify what isinclued in step 4.1. Remove "process," in stem. Place in order of shortest to longest. 10/31/03 SDR Removed "process" but did not reorder answers. Beautification. 11/28/03 Facility proposed rewrite of question since SRO's do not perform the function originally in question. 12/5/03 TCK Requested changes incorporated.
62	H	2									Y	N	E S	G2.2.27, C/A 2.5/2.9, Bank 10/29/03 TCK, Change "is" to "are" in answer "A". Change "D" to read "shall be stopped immediately. Refueling operations can continue ONLY after ARM R-7 has been repaired and declared OPERABLE." 10/31/03 SDR Comments incorporated.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Comments
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia units	#/ Back- ward	Q= K/A	SRO Only		
63	F	2				X	X				Y	N	U	G2.2.33, MEM 2.5/2.9, Bank 10/29/03 TCK, Distractors are not answering the question. All of answer "A" is a function of some other component and doesn't make sense in regards to the question asked. Replace question or modify distractors. 10/31/03 SDR Stem revised such that distractors are credible. 11/28/03 Facility proposed rewrite of question to make it applicable to TP 12/5/03 TCK Requested changes incorporated.
64	H	3-4									Y	N	E S	G2.3.10, C/A 2.9/3.3, Bank 10/29/03 TCK, Respirator is spelled wrong in stem. 10/31/03 SDR Requested change incorporated. 11/28/03 Facility proposed change to question since operators do not deal with DAC's. 12/5/03 TCK Requested changes incorporated.
65	H	3									Y	?	E	G2.3.9, C/A 2.5/3.4, New 10/29/03 TCK, Add "is" in the stem in front of "correct". Change distractor "B" to say "Containment Purge can stay in operation with no compensatory action required. Etc." Change distractor "D" to say "Containment Purge must be shutdown. Core alterations may commence if grab samples are obtained and analyzed every 24 hours." RO may not be required to know this information since core alterations have not been started. Usually SRO job to ensure core alts can take place. 10/31/03 SDR Requested changes incorporated. Facility verify OK for RO. 11/13/03 TCK OK for RO. 11/28/03 Facility proposed new question since the original question exceeded the boundaries of the K/A/ 12/5/03 TCK Requested changes incorporated.
66	F	2-3									Y	N	S	G2.4.18, MEM 2.7/3.6, Bank 10/29/03 TCK, OK
67	H	2									Y	N	S	G2.4.46, C/A 3.5/3.6, New 10/29/03 TCK, OK 11/28/03 Facility suggested word change to prevent confusion. 12/5/03 TCK Requested changes incorporated.
68	H	4							X		Y	Y	U S	WE02EK3.4, C/A 3.5/3.8, New 10/29/03 TCK, Stopped is spelled wrong in stem. RO's are not required to know the basis documents in the WOG. Replace question. 11/13/03 TCK Facility agreed that this is appropriate for RO knowledge.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stern Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only		
69	F	2				X			X			Y	Y	U  S	WE04EG2.4.18, MEM 2.7/3.6, New <b>10/29/03 TCK</b> , Replace question or revise question to RO knowledge level. Also, distractors "B" and "D" are not plausible since the break is outside containment (per stem) and containment isolations would not be expected. <b>11/12/03 TCK</b> Revised stem to clearly state EOP ECA 1.1 is entered. Revised distractors to say Phase 'A' occurs instead of Phase 'B' since it is more plausible. Verified to be RO level knowledge. <b>11/28/03</b> Facility suggested editorial change. <b>12/5/03 TCK</b> Requested changes incorporated
70	F	3										Y	Y	?  S	WE05EA1.1, MEM 4.1/4.0, New <b>10/29/03 TCK</b> , This question may not be suitable for KO knowledge. Ask site for their opinion. Distractor "D" needs to have "Thermal Couple" changed to "thermocouple". <b>11/10/03 TCK</b> Added title to stem for FR-H.1. Facility agrees that question is acceptable for RO knowledge
71	F	3										Y	Y	E  S	WEOREK3.2, MEM 3.6/4.0, New <b>10/29/03 TCK</b> , Need to check with utility to see if this is RO knowledge. Make distractors more general and identify a major event (i.e., Loss of Feedwater, Large break LOCA, etc.) <b>11/13/03 TCK</b> Facility agreed that question is appropriate for RO knowledge. Made revisions to distractors so that all answers are consistent with appropriate failures. OK
72	H	3							X			Y	N	U  S	WE10EK2.2, C/A 3.6/3.9, New <b>10/29/03 TCK</b> , Reword last paragraph since this is copied out of the text word for word. Nureg 1021 states this should not be done Since it is not discriminating due to person could recognize paragraph. <b>11/13/03 TCK</b> Question revised to get rid of minutia.
73	H	3										Y	N	E  S	WE11EK1.2, C/A 3.6/4.1, New <b>10/29/03 TCK</b> , Need to make "or" capitalized and bold in the stem to differentiate between the 2 sets of numbers. Add a statement saying "reference provided" and provide chart for reference. Believe question should be C/A instead of MEM. <b>10/31/03 TCK</b> "Or" has been capitalized. OK for RO since reference chart is being given. Changed to C/A. <b>11/28/03</b> Facility proposed new question since question 100 gave a clue to the answer. <b>12/5/03 TCK</b> Requested changes incorporated.

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		
74	F	3										Y	Y	?  S	WE12EK2.2, MEM 3.6/3.9, New 10/29/03 TCK. Distractor "A" requires "level" to be inserted after pressurizer. May not be RO knowledge level. 11/10/03 TCK Reviewed by licensee. Removed PTN at beginning of stem only. Acceptable by licensee for RO. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.
75	H	3										Y	Y	?  S	WE14EK3.3,C/A 3.5/3.5, New 10/29/03 TCK. May not be RO knowledge level. Answer is same wording as in the basis documents. 11/13/03 TCK Question remains as-is but we know that it is wordv. Facility will propose different question. 11/28/03 Facility requested minor editorial change. 12/5/03 TCK Requested changes incorporated.
SRO ONLY															
1	H	3										Y	Y	S	004A1.04, CIA 3.9/4.1, Bank 11/12/03 TCK. Made minor spelling changes. OK now. 11/28/03 Facility requested minor wording changes in stem and answers 12/5/03 TCK Requested changes incorporated.
2	F	2										Y	Y	S	005G2.4.49, MEM 4.0/4.0, New 11/12/03 TCK OK 11/28/03 Facility requested minor wording changes and added words to "locally" look for indications of cavitation in answer "C" since the as written answer could also be a correct answer. 12/5/03 TCK Requested changes incorporated.
3	H	3		X		X						Y	Y	U  S	007G2.1.14, C/A 2.5/3.3, New 11/12/03 TCK Stem talks about sending operator to open valve but distractor B and D says to close valves. Not credible. Distractor C is also implausible because stem says that maintenance is complete. 11/13/03 TCK Question revised with new distractors. OK 11/28/03 Facility requested wording changes and a change to answer "B" since it was also correct. Bolded last word of each response. 12/5/03 TCK Incorporated all changes except changed "closed" to "open" for answer "C".
4	ti	2										Y	Y	E S	022AA2.02, C/A 3.2/3.7, New 11/12/03 TCK Moved part of the answers up to the stem and corrected some spelling. OK 11/28/03 Facility requested minor wordsmithing. 12/5/03 TCK Requested changes incorporated.

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		
5	H	3										Y	Y	E S	026A2.03, C/A 4.1/4.4, New 11/12/03 TCK Restructured stem and placed in bullet form for ease of reading. OK 11/28/03 Facility requested minor wordsmithing. 12/5/03 TCK Requested changes incorporated.
6	H	2	X									Y	Y	U S	027AG2.2.15, C/A 2.5/3.4, New 11/12/03 TCK The stem is asking the basis for a caution statement in a procedure but the answers describe the operation of the components. Ensure the answers are related to the question. 11/13/03 TCK Stem revised such that answers are related to the question. OK. 11/28/03 Facility reworded all responses to help readability. 12/5/03 TCK Requested changes incorporated.
7	H	3										Y	Y	E S	029EG2.1.7, C/A 3.7/4.4, Bank 11/12/03 TCK Bolded 'do not' to ensure no ambiguity. OK 11/28/03 Facility eliminated unnecessary words and minor wordsmithing. 12/5/03 TCK Requested changes incorporated.
8	F	2				X						Y	Y	U S	033AG2.1.20, C/A 4.3/4.2, New 11/12/03 TCK All answers are correct. Re-write or replace question. 11/12/03 TCK New question developed that meets criteria. OK 11/28/03 Facility reworded distractor "D" and requested some bolding. 11/21/03 TCK Requested changes incorporated.
9	F	2										Y	Y	S	034G2.1.7, MEM 3.7/4.4, New. OK. 12/5/03 TCK Requested changes incorporated. stem.
10	H	3										Y	Y	E S	041A2.02, C/A 3.6/3.9, Bank 11/12/03 TCK Revised stem to state that "One condenser dump valve remains full open" instead of "condenser dump valve fails to dose." 11/28/03 Facility revised condition in Stem to be 100% power and one steam dump valve open. Revised answers for new conditions. 12/5/03 TCK Requested changes incorporated.
11	H	3										Y	Y	S	055EG2.4.22, C/A 3.0/4.0, Bank 11/12/03 TCK OK. 11/28/03 Facility requested minor wordsmithing. 12/5/03 TCK Requested changes incorporated.
12	H	3										Y	Y	S	061AA2.05, C/A 3.5/4.2, New 11/12/03 TCK OK 11/28/03 Facility requested new question since system was wrong for the associated K/A. 12/5/03 TCK Requested changes incorporated.

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		
13	F	2						X			N	Y	U	065AG2.1.9, MEM 2.9/3.3, New 11/12/03 TCK No CFR 43 reference for K/A and no specific learning objective. Replace K/A. 11/13/03 TCK Replaced with 065G2.1.6. OK.
14	F	2									Y	Y	S	067AA2.13, MEM 3.3/4.4, Bank 11/12/03 TCK OK. 11/28/03 Facility added an alarm in the stem that would be expected under the stated conditions. 12/5/03 TCK Requested changes incorporated.
15	H	3									Y	Y	S	074EG2.4.16, C/A 3.0/4.0, New 11/12/03 TCK OK. 11/28/03 Facility requested minor wording change. 12/5/03 TCK Requested changes incorporated.
16	H	3									Y	Y	S	G2.1.33.001, C/A 3.4/4.0, Bank 11/12/02 TCK OK. 11/28/03 Facility requested changing stem to address only the containment air lock doors being open. Revise answers accordingly. 12/5/03 TCK Agreed with facility to rewrite question to address mode change restrictions.
17	H	4									Y	Y	S	G2.1.33.002, C/A 3.4/4.0, New 11/12/03 TCK OK 11/28/03 Facility stated that original question went beyond bounds of K/A. Proposed a new question. 12/5/03 TCK Requested changes incorporated.
18	F	3									Y	Y	S	G2.2.17, MEM 2.3/3.5, Modified 11/12/03 TCK Changed 'priority 1' to 'priority A' in the stem since 0- ADM-701 does not list priority 1 as an option. 11/28/03 Facility requested changing stem to address "AA" priority work since SROs need to know 3.0.0 entry conditions. 12/5/03 TCK Requested changes incorporated.
19	F	2									Y	Y	Θ	G2.2.31, C/A 2.2/2.9, New 11/12/03 TCK OK. 11/28/03 Facility suggested rewriting question to address temperature restrictions for offloading core instead of speed restrictions since this is more operationally oriented. 12/5/03 TCK Requested changes incorporated.

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	
20	H	3										Y	Y	S G2.3.4, MEM 2.5/3.1, Bank 11/12/03 TCK Plant could not validate correct answer with documentation. New question proposed by facility and accepted by Chief Examiner. 11/28/03 Facility requested minor wording change. 12/5/03 TCK Requested changes incorporated.
21	H	3										Y	Y	S G2.4.7, C/A 3.1/3.8, New 11/12/03 TCK OK.
22	H	3										Y	Y	S G2.4.45, C/A 3.3/3.6, Modified 11/12/03 TCK OK. 11/28/03 Facility proposed new question since this one did not meet K/A 12/5/03 TCK Requested changes incorporated.
23	H	2										Y	Y	E WE04EA2.2, C/A 3.6/4.2, New 11/12/03 TCK OK. Added EPN numbers to suction valves.
24	H	3										Y	Y	U WE05EA2.2, C/A 3.7/4.3, New 11/03/03 TCK Question is too far into the subsequent steps to test. Suggest replacing question and keeping K/A. 11/12/03 TCK New question submitted by licensee and verified to meet K/A. Acceptable. 11/28/03 Facility requested editorial change. 12/5/03 TCK Requested changes incorporated.
25	F	2										N	Y	U WE07EG2.4.35, MEM 3.3/3.5, New 10/31/03 TCK Does not meet K/A. Replace. 11/13/03 TCK Substitute question developed. Now meets K/A with new question. 11/28/03 Facility requested editorial change. 12/5/03 TCK Requested changes incorporated.

Facility: Turkey Point Date of Exam: Dec. 3-15, 2003		Exam Level: SRO		
Item Description	Initials			
	a	b	c	
1. Clean answer sheets copied before grading	<i>[Signature]</i>	N/A	<i>[Signature]</i>	
2. Answer key changes and question deletions justified and documented	N/A	N/A	N/A	
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>[Signature]</i>	N/A	<i>[Signature]</i>	
4. Grading for all borderline cases (80 +/- 2% overall and 70 +/- 4% on the SRO-only) reviewed in detail	<i>[Signature]</i>	N/A	<i>[Signature]</i>	
5. All other failing examinations checked to ensure that grades are justified	<i>[Signature]</i>	N/A	<i>[Signature]</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>[Signature]</i>	N/A	<i>[Signature]</i>	
Printed Name / Signature		Date		
a. Grader	<i>STEVEN D. ROSE / [Signature]</i> <i>T.C. Kolb / [Signature]</i>		<i>1/3/04</i> <i>1-7-04</i>	
b. Facility Reviewer(*)	N/A		N/A	
c. NRC Chief Examiner (*)	<i>[Signature]</i> Ron Airillo		<i>0/12/04</i>	
d. NRC Supervisor (*)	<i>MICHAEL E. ERNSTES / [Signature]</i>		<i>1/13/04</i>	
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.				



Turkey Point 12/3-15/03	
Task Description	Date Complete
1. Facility written exam comments or graded exams. received and verified complete	12/18/03
2. Facility written exam comments reviewed and incorporated and NRC grading completed, if necessary	12/18/03
3. Operating tests graded by NRC examiners	1/12/04
4. NRC Chief examiner review of written exam and operating test grading completed	1/13/04
5. Responsible supervisor review completed	1/13/04
6. Management (licensing official) review completed	1/13/04
7. License and denial letters mailed	1/15/04
8. Facility notified of results	1/13/04
9. Examination report issued (refer to NRC MC <del>0610</del> 0612)	1/15/04
10. Reference material returned after final resolution of any appeals	N/A