

**2009 QUAD CITIES NUCLEAR POWER STATION**

**INITIAL EXAMINATION**

**ADMINISTRATIVE FILES**

Facility: <u>Quad Cities</u>		Date of Examination: <u>Nov 30, 2009</u>
Examinations Developed by:      Facility / NRC (circle one)		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	RKW
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	RKW
-120	3. Facility contact briefed on security and other requirements (C.2.c)	RKW
-120	4. Corporate notification letter sent (C.2.d)	RKW
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	RKW
-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)	RKW
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	RKW
-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)	RKW
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	RKW
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	RKW
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	RKW
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	RKW
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	RKW
-7	14. Final applications reviewed; examination approval and waiver letters sent (C.2.i; Attachment 4; ES-204)	RKW
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	RKW
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	RKW
<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>		

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/30 - 12/14, 2009 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 11/30 to 12/14/09. 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.	Raymond J. Venci	Exam Author	<i>Raymond J. Venci</i>	6/24/09	<i>Raymond J. Venci</i>	12/14/09
2.	Jeremy M. Bries	Exam Preparer	<i>Jeremy M. Bries</i>	6/24/09	<i>Jeremy M. Bries</i>	12/15/09
3.	George R. Thullen	Exam Preparer	<i>George R. Thullen</i>	6/24/09	<i>George R. Thullen</i>	12/15/09
4.	Gwendolyn Smith	Office Support	<i>Gwendolyn Smith</i>	6/24/09	<i>Gwendolyn Smith</i>	12/15/09
5.	Steve Russell	OTPS/OVERSIGHT	<i>Steve Russell</i>	6/30/09	<i>Steve Russell</i>	12/15/09
6.	Raymond Baker	ITSA	<i>Raymond P. Baker III</i>	6/30/09	<i>Raymond P. Baker III</i>	12/15/09
7.	Richard Gaylord	Exam Consultant	<i>Richard Gaylord</i>	7-8-09	<i>Richard Gaylord</i>	12-15-09
8.	James Cox	Facility Rep	<i>James Cox</i>	7/10/09	<i>James Cox</i>	1/8/10
9.	Andy Scyngeve	Training D34	<i>Andy Scyngeve</i>	7-10-09	<i>Andy Scyngeve</i>	12/30/09
10.	William R. Beard	Simulator Support	<i>William R. Beard</i>	8-5-09	<i>William R. Beard</i>	12/15/09
11.	Mark W. Jensen	Work Center	<i>Mark W. Jensen</i>	8-23-09	<i>Mark W. Jensen</i>	12/16/09
12.	James B. Woodrider	STME	<i>James B. Woodrider</i>	8-21-09	<i>James B. Woodrider</i>	2/10/10
13.	Dalbert Wiebenga	RO Validator	<i>Dalbert Wiebenga</i>	8/24/09	<i>Dalbert Wiebenga</i>	1-8-10
14.	Brian Wake	SZO Validator	<i>Brian Wake</i>	8/24/09	<i>Brian Wake</i>	1-10-10
15.	Bryan Aude	RO Validator	<i>Bryan Aude</i>	8-24-9	<i>Bryan Aude</i>	1-8-10

\* See attached PDF

NOTES:



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/30-12/14/2009 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 11/30 to 12/14/09. 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 GRAHAM	SME VALIDATOR	<i>Michael A Graham</i>	8/24/09	<i>Michael A Graham</i>	12/17/09
2.	MICHAEL COLLIN	SME	<i>Michael Collin</i>	8-24-09	<i>Michael Collin</i>	1-8-10
3.	Robert Whitmore	NSO / Validator	<i>R. Whitmore</i>	8/27/09	<i>R. Whitmore</i>	2/1/10
4.	Harm Mohr	NSO / Validator	<i>Harm Mohr</i>	1/29/09	<i>Harm Mohr</i>	2/10/10
5.	ERIC MARKS	SRO / VALIDATOR	<i>Eric Marks</i>	8-27-9	<i>Eric Marks</i>	1-8-10
6.	DALE STEEL	SRO Validator	<i>Dale Steel</i>	8/27/09	<i>Dale Steel</i>	12/15/09
7.	Ed Pannell	SRO Validator	<i>Ed Pannell</i>	8/27-09	<i>Ed Pannell</i>	12/15/09
8.	CRAIG KAUFMAN	RO VALIDATOR	<i>Craig Kaufman</i>	8/27/9	<i>Craig Kaufman</i>	2/1/10
9.	Don WARREN	RO VALIDATOR	<i>Don Warren</i>	8/27/9	<i>Don Warren</i>	2/1/10
10.	John Fabianow	RO VALIDATOR	<i>John Fabianow</i>	8/27/09	<i>John Fabianow</i>	12/17/09
11.	Kevin Holle	SRO	<i>Kevin Holle</i>	8/23/09	<i>Kevin Holle</i>	4/7/10
12.	John A. Balston	RO Validator	<i>John A. Balston</i>	9-8-09	<i>John A. Balston</i>	1-8-10
13.	TIM DALMAN	RO Validator	<i>Tim Dalman</i>	8-8-9	<i>Tim Dalman</i>	8-23-09
14.	ROD SCHROEDER	SRO VALIDATOR	<i>R. Schroeder</i>	9/8/9	<i>R. Schroeder</i>	1/13/10
15.	KEVIN CRAVENS	SRO VALIDATOR	<i>Kevin Cravens</i>	9-16-09	<i>Kevin Cravens</i>	12-17-09

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/30 - 12/14/09 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 11/30 to 12/14/09 from the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. <u>JEFFERY A. GAY</u>	<u>WRITTEN VALIDATION (SRO)</u>	<u>[Signature]</u>	<u>9/25/09</u>	<u>[Signature]</u>	<u>1/25/10</u>
2. <u>JOSEPH M. SOLTS</u>	<u>WRITTEN VALIDATION (SRO)</u>	<u>[Signature]</u>	<u>9/25/09</u>	<u>[Signature]</u>	<u>12/17/09</u>
3. <u>DARYL G. CLARK</u>	<u>WRITTEN VALIDATION (SRO)</u>	<u>[Signature]</u>	<u>10/23/09</u>	<u>[Signature]</u>	<u>1/13/10</u>
4. <u>LANNY LUSIMAND</u>	<u>ILT EXAM SUPPORT</u>	<u>[Signature]</u>	<u>10/30/09</u>	<u>[Signature]</u>	<u>12/15/09</u>
5. <u>John Beswick</u>	<u>NSO Validate</u>	<u>[Signature]</u>	<u>11-2-09</u>	<u>[Signature]</u>	<u>2-10-10</u>
6. <u>David F. Schumacher</u>	<u>SRO Validate</u>	<u>[Signature]</u>	<u>11-2-09</u>	<u>[Signature]</u>	<u>12-17-9</u>
7. <u>JAY WAGNER</u>	<u>RO VALIDATOR</u>	<u>[Signature]</u>	<u>11/2/09</u>	<u>[Signature]</u>	<u>1/8/10</u>
8. <u>Alex Baker</u>	<u>Sim Op</u>	<u>[Signature]</u>	<u>11/10/09</u>	<u>[Signature]</u>	<u>2-17-9</u>
9. <u>Duane Decker</u>	<u>SEQUESTER</u>	<u>[Signature]</u>	<u>11/30/09</u>	<u>[Signature]</u>	<u>1/4/10</u>
10. <u>Lynn Barker</u>	<u>Sequester</u>	<u>[Signature]</u>	<u>11/30/09</u>		
11. <u>John C. Banks</u>	<u>Phone Talker</u>	<u>[Signature]</u>	<u>12/7/09</u>	<u>[Signature]</u>	<u>12/18/09</u>
12. <u>CHARLES C. SCHRONICK</u>	<u>SIM OP</u>	<u>[Signature]</u>	<u>12/7/09</u>	<u>[Signature]</u>	<u>12/14/09</u>
13. <u>Duane Hays</u>	<u>Scenario Simulator</u>	<u>[Signature]</u>	<u>12/8/09</u>	<u>[Signature]</u>	<u>1/11/10</u>
14. <u>D. KIMMER</u>	<u>SOS / PROGRAM OWNER</u>	<u>[Signature]</u>	<u>12/9/09</u>	<u>[Signature]</u>	<u>12-18-09</u>
15. <u>Dianne L. Behrens</u>	<u>office Support</u>	<u>[Signature]</u>	<u>12/9/09</u>	<u>[Signature]</u>	<u>12/18/09</u>

NOTES:



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/30 - 12/14/09 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 11/30 to 12/14/09. 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.	Jed Ferdman	Director	<i>Jed Ferdman</i>	12/14/09	<i>Jed Ferdman</i>	12/14/09	
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

NOTES:



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/30-12/14/09 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 11/30 to 12/14/09 from the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Jeffrey A. Gaskin</u>	<u>WRITTEN VALIDATION (SRC)</u>	<u>[Signature]</u>	<u>9/25/09</u>	<u>[Signature]</u>	<u>11/25/10</u>	
2. <u>Joseph M. Solis</u>	<u>WRITTEN VALIDATION (SRC)</u>	<u>[Signature]</u>	<u>9/25/09</u>	<u>[Signature]</u>	<u>12/17/09</u>	
3. <u>Darryl G. Clark</u>	<u>WRITTEN VALIDATION (SRC)</u>	<u>[Signature]</u>	<u>10/29/09</u>	<u>[Signature]</u>	<u>1/13/10</u>	
4. <u>Lanny Lysimand</u>	<u>ILT EXAM SUPPORT</u>	<u>[Signature]</u>	<u>10/30/09</u>	<u>[Signature]</u>	<u>12/15/09</u>	
5. <u>John Beswick</u>	<u>NSO Validate</u>	<u>[Signature]</u>	<u>11-2-09</u>	<u>[Signature]</u>	<u>2-10-10</u>	
6. <u>David F. Schumacher</u>	<u>SRC Validate</u>	<u>[Signature]</u>	<u>11-2-09</u>	<u>[Signature]</u>	<u>12-17-9</u>	
7. <u>Jay Wagner</u>	<u>RO VALIDATOR</u>	<u>[Signature]</u>	<u>11/2/09</u>	<u>[Signature]</u>	<u>1/8/10</u>	
8. <u>Alex Barker</u>	<u>Sim Op</u>	<u>[Signature]</u>	<u>11/2/09</u>	<u>[Signature]</u>	<u>2-17-9</u>	
9. <u>Duane Decker</u>	<u>SEQUESTER</u>	<u>[Signature]</u>	<u>11/30/09</u>	<u>[Signature]</u>	<u>1/4/10</u>	
10. <u>Lynn Barker</u>	<u>Sequester</u>	<u>[Signature]</u>	<u>11/30/09</u>	<u>[Signature]</u>	<u>2/14/10</u>	
11. <u>John C. Banks</u>	<u>Phone Talker</u>	<u>[Signature]</u>	<u>12/7/09</u>	<u>[Signature]</u>	<u>12/18/09</u>	
12. <u>CHARLES L. SCHRONICK</u>	<u>SIM OP</u>	<u>[Signature]</u>	<u>12/1/09</u>	<u>[Signature]</u>	<u>12/11/09</u>	
13. <u>Duane Hertz</u>	<u>SECURITY SUPPORT</u>	<u>[Signature]</u>	<u>12/15/09</u>	<u>[Signature]</u>	<u>11/16/09</u>	
14. <u>D. KIMBLE</u>	<u>SOS / PROGRAM OWNER</u>	<u>[Signature]</u>	<u>12/19/09</u>	<u>[Signature]</u>	<u>12-18-09</u>	
15. <u>Dianne L. Behrens</u>	<u>office support</u>	<u>[Signature]</u>	<u>12/19/09</u>	<u>[Signature]</u>	<u>12/18/09</u>	

NOTES:



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/30 - 12/14, 2009 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 11/30 to 12/14/09. 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.	Raymond J. Venci	Exam Author	<i>Raymond J. Venci</i>	6/24/09	<i>Raymond J. Venci</i>	12/14/09
2.	Jeremy M. Bies	Exam Preparer	<i>Jeremy M. Bies</i>	6/24/09	<i>Jeremy M. Bies</i>	12/15/09
3.	George R. Thullen	Exam Preparer	<i>George R. Thullen</i>	6/24/09	<i>George R. Thullen</i>	12/15/09
4.	Edward James SM	Office Support	<i>Edward James SM</i>	6/24/09	<i>Edward James SM</i>	12/15/09
5.	Steve Russell	OTPS/INSTRUMENT	<i>Steve Russell</i>	6/29/09	<i>Steve Russell</i>	2/17/10
6.	Raymond Baker	ITSA	<i>Raymond Baker</i>	6/31/09	<i>Raymond Baker</i>	12/15/09
7.	Richard Gaylord	Exam Consultant	<i>Richard Gaylord</i>	7-8-09	<i>Richard Gaylord</i>	12-15-09
8.	James Cox	Facility Rep	<i>James Cox</i>	7/10/09	<i>James Cox</i>	1/6/10
9.	Andy Seymour	Training SQA	<i>Andy Seymour</i>	7-10-09	<i>Andy Seymour</i>	12/20/09
10.	William K. Beard	Simulator Support	<i>William K. Beard</i>	8-5-09	<i>William K. Beard</i>	12/15/09
11.	Mark W. Jensen	Work Center	<i>Mark W. Jensen</i>	8-20-09	<i>Mark W. Jensen</i>	12/16/09
12.	James G. Woodbridge	SME	<i>James G. Woodbridge</i>	8-21-09	<i>James G. Woodbridge</i>	2/08/10
13.	Albert Wiebenga	RO Validator	<i>Albert Wiebenga</i>	8/24/09	<i>Albert Wiebenga</i>	1-8-10
14.	Brian Walker	SRO Validator	<i>Brian Walker</i>	8/24/09	<i>Brian Walker</i>	1-8-10
15.	Brian Aude	RO Validator	<i>Brian Aude</i>	8-24-9	<i>Brian Aude</i>	1-8-10

NOTES:



## RO

Tier / Group	Randomly Selected K/A	Reason for Rejection
T2G1	2620002 K5.04 became 262002 K6.02	Importance Rating <2.5 and no K5s with IR > 2.5. Randomly Reselected K6.02
T2G1	264000 K2.02 became 264000K 3.02	Importance Rating <2.5 and no K2s with IR > 2.5. Randomly Reselected K3.02
T2G1	215005 K3.03 became 215005 K2.02	After the 264000 K2 was replaced with a K3, T2G1 became unbalanced with 3 K3s and only 1 K2. Randomly selected one of the other two systems with K3s. Replaced with 215005 K2.02.
T2G2	201006 K2.01 became 201006 K3.01	Importance Rating <2.5 and the only K2 available. Randomly selected K3.01
T2G2	272000 A4.06 became 272000 K2.01	After the 201006 K2 was reselected, there were not enough K2s selected in T2G2 while the A4 category had 5 selected. Randomly selected 272000 from that domain and then selected K2.01.
T2G2	268000 A3 became 204000 A3.05	No A3 KAs. Randomly selected another system for an A3 topic, RWCU. Then selected A3.05. (Any other reselection option would have resulted in multiple reselections to flatten the distribution.)
T3	2.4.08 became 2.4.32	SG 2.4.08 selected in both T1 and T3. Replaced T3 2.4.08 with 2.4.32.
T2G1	SSMP K5.06 became SSMP K5.02	SSMP is a Quad Cities specific system that was added to T2G1 in agreement with the Chief Examiner. It was also agreed to use RCIC, 217000, KA statements. The K5.06 sub-topic is "Turbine operation", a component that the SSMP does not have. K5.02, flow indication is viable.
T2G2	290002 2.4.41 became 290002 2.4.06	The original System Generic K/A statement (about EAL classifications) could not be combined with the reactor vessel internals system to produce a psychometrically sound question at the RO level.
T2G1	215004 K2.01 became 215004 2.1.23	215004 (SRM) has only one K2 (power supply to detector). This KA combination was used on the Cert Exam and the resultant question would be a duplication. Randomly selected Generic to replace K2 and then selected an unused System Generic.
T1G1	295016 2.2.04 became 295016 2.1.28	There are no differences between units (2.2.04) as applied to control room abandonment. Reselected an unused System Generic K/A.
	295016 2.1.28 became 295016 2.1.20	Knowledge of purpose of major system component and controls does not apply to Control Room abandonment because it is not a system. Randomly selected an unused System Generic K/A.



## RO

Tier / Group	Randomly Selected K/A	Reason for Rejection
T1G1	295019 AK2.19 became 295019 AK2.02	There is no relationship between the Instrument Air system and the RHR/LPCI. Randomly selected another K2 for that evolution.
T1G2	295033 EA1.06 became 295033 EA1.04	EA1.06 is has an asterisk with its importance rating, meaning there was high variability in responses. At Quad Cities, High Secondary Containment Radiation procedures direct operators to use Radiation Protection Department personnel for survey support. There are no references available to support a question on use of "portable radiation monitoring instruments" related to high secondary containment radiation. Randomly selected another EA1 for this evolution.
	295033 EA1.04 became 295033 EA1.01	EA1.04 was rejected due to oversampling and a close relationship with 261000 A3.01. Randomly selected another EA1 topic.
T2G1	217000 K4.03 became 217000K4.02	The concept of minimum flow protection was also sampled under HPCI (206000 A2.06). Randomly selected another K4 for this system.
T1G1	295024 EA 2.06 became 295024 EA2.02	This combination relates High DW Temp to Torus water temp. The High Torus water temp Emergency (295026) is also selected in T1G1 and the High Torus water temp Abnormal (295013) is selected in T1G2. To avoid oversampling, Randomly selected another EA2 for this evolution.
T2G1	259002 AA2.09 became 259002 AA2.06	A 2.09 refers to the FWCI system failure alarm. FWCI is not applicable to Quad Cities. Randomly selected another AA2 topic.
T1G2	295008 AA1.07 became 295008 AA1.08	Topic conflicts with T1G1 295005 AA1.04 which is also about the ability to trip the main turbine during high RPV water level conditions. Randomly selected another AA1 topic.
T3	2.4.26 became 2.4.42	Reactor Operators at Quad Cities are not qualified to serve on the Fire Brigade. This K/A was rejected at Oconee in June 2004 for the same reason (precedent). Randomly reselected an unused Generic K/A.
T1G1	295025 2.2.40 became 295025 2.4.01	Once in the EOPs for (Emergency Level) Reactor High Pressure, the LCO for RPV pressure will be exited immediately due transition to Mode 3. Therefore could not write a psychometrically sound question. Randomly reselected an unused Generic K/A.



**SRO**

Tier / Group	Randomly Selected K/A	Reason for Rejection
SRO T1G2	295029 A2.01 became 295029 2.4.50	No System Generics were originally selected in this Tier and Group. Randomly selected 295029 and then selected SG 2.4.50
SRO T1G1	295001 2.4.18 became 295001 2.4.04	295001 is an Abnormal Evolution to which 2.4.18 "Knowledge of the specific bases of EOPs" does not apply. Randomly selected a System Generic KA.
SRO T1G1	295030 EA2.01 became 295038 EA2.01	Questions on this evolution (Low Torus Water Level) conflict with a previously developed scenario transient. Randomly selected another evolution and randomly selected another A2 topic.
SRO T1G1	600000 2.2.39 became 600000 2.4.30	2.2.39 was SRO knowledge of <1hr Tech Specs which is also RO knowledge. Randomly selected an unused System Generic KA.
SRO T1G2	295002 AA2.02 became 295014 AA2.01	Evolution of loss of condenser vacuum was too similar to a simulator scenario. Randomly selected another evolution and randomly selected another A2 topic.
SRO T2G1	217000 2.4.21 became 217000 2.1.32	RCIC is not an ECCS system and no credit is taken in the Safety Analysis. Therefore Generic KA 2.4.21 did not apply. Randomly selected an unused System Generic KA.
SRO T2G1	218000 A2.02 became 218000 A2.03	The A2.02 topic conflicts with a scenario event. Upon review, the only A2 topic that does not conflict with a scenario event or a written question is A2.03.
SRO T2G1	262001 2.4.20 became 262001 2.4.21	There are no applicable EOP warnings, cautions, or notes related to loss of AC power. Randomly selected an unused System Generic KA.
	262001 2.4.21 became 262001 A2.04	Originally selected topic conflicted with Emergency topic 700000 in T1G1 on the RO exam. In order to provide better balance in T2G1, of the SRO exam, randomly reselected from the A2 category.

# SRO

Tier / Group	Randomly Selected K/A	Reason for Rejection
SRO T1G1	295028 EA2.05 became 295028 EA2.04	Not able to construct a psychometrically sound question relating to the parameters. Randomly selected another EA2 topic.
SRO T2G2	290003 2.4.01 became 290003 2.2.44	No EOP conditions or immediate action steps apply to the Control Room HVAC system. Randomly reselected an unused System Generic K/A.
SRO T1G1	295018 2.4.49 became 295018 2.4.11	There are no immediate operator action statements in the Loss of CCW procedures from which to construct an SRO question. From the unused System Generic KAs, randomly selected 2.2.36 and then 2.2.40, both of which relate Loss of CCW to Tech Specs. However, there are no CCW LCOs. Randomly reselected another unused System Generic K/A.
SRO T3	2.1.44 became 2.1.34	Unable to construct a SRO level question about "Knowledge of RO duties" during refueling. From the unused System Generic KAs, randomly selected 2.1.5, which was being used as the basis for a SRO JPM. Randomly reselected another unused System Generic K/A.



Facility: Fermi				Date of Exam:				Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>			
Item Description	Initials										
	a	b	c								
1. Clean answer sheets copied before grading	CM	N/A	RMW								
2. Answer key changes and question deletions justified and documented	CM	↓	RMW								
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	CM		RMW								
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	N/A		<del>RMW</del> N/A	12/30/09							
5. All other failing examinations checked to ensure that grades are justified	N/A		N/A								
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	CM		N/A	RMW							
Printed Name/Signature					Date						
a. Grader	Carol Moore <i>Carol Moore</i>			12/18/09							
b. Facility Reviewer(*)	N/A			N/A							
c. NRC Chief Examiner (*)	Raymond K Walton / <i>Raymond K Walton</i>			12/30/2009							
d. NRC Supervisor (*)	Hironori Peterson / <i>Hironori Peterson</i>			1/7/10							
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.											

Facility:		Date of Exam:		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description				Initials		
				a	b	c
1.	Clean answer sheets copied before grading			GM	N/A	RMW
2.	Answer key changes and question deletions justified and documented			GM	↓	RMW
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)			GM		RMW
4.	Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail			N/A		NA
5.	All other failing examinations checked to ensure that grades are justified			N/A		NA
6.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants			GM		RMW
Printed Name/Signature				Date		
a. Grader	<u>Carol Moore / Carol Moore</u>			<u>12/18/09</u>		
b. Facility Reviewer(*)	<u>N/A</u>			<u>N/A</u>		
c. NRC Chief Examiner (*)	<u>Raymond K Walton / Raymond K Walton</u>			<u>12/30/2009</u>		
d. NRC Supervisor (*)	<u>Hironori Peterson / Hironori Peterson</u>			<u>1/7/10</u>		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.						