

2011 BRAIDWOOD STATION

INITIAL EXAMINATION

ADMINISTRATIVE FILES

Facility: <u>BRAIDWOOD</u>		Date of Examination: <u>June 2011</u>
Developed by: Written - Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating - Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	BP
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	BP
-120	3. Facility contact briefed on security and other requirements (C.2.c)	BP
-120	4. Corporate notification letter sent (C.2.d)	BP
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 3)]	NA
{-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)	BP
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	BP
{-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 any Form ES-201-3 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	BP
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	BP
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	BP
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	BP
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	BP
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	BP
-7	14. Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 5; ES-202, C.2.e; ES-204)	BP
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	BP
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	BP
<p>* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee. [Applies only] (Does not apply) to examinations prepared by the NRC.</p>		

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/20/11 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 6/20/11. 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>BRIAN KEMPER</u>	<u>Exam Author</u>	<u>Brian Kemper</u>	<u>11/24/10</u>	<u>Brian Kemper</u>	<u>7-11-11</u>	<u>N/A</u>
2. <u>ROBERT CAMERON</u>	<u>LOW GROUP LEAD</u>	<u>Robert Cameron</u>	<u>12/14/10</u>	<u>Robert Cameron</u>	<u>7-5-11</u>	<u>N/A</u>
3. <u>DAN BURTON</u>	<u>Simulator Coordinator</u>	<u>Dan Burton</u>	<u>1-4-11</u>	<u>Dan Burton</u>	<u>7-5-11</u>	<u>NA</u>
4. <u>GREGORY BARKER</u>	<u>LOFT INSTRUCTOR</u>	<u>Gregory Barker</u>	<u>1-31-11</u>	<u>Gregory Barker</u>	<u>7-22-11</u>	<u>NA</u>
5. <u>Scott Deprest</u>	<u>OTPS</u>	<u>Scott Deprest</u>	<u>2/8/11</u>	<u>Scott Deprest</u>	<u>7-11-11</u>	<u>N/A</u>
6. <u>James Smit</u>	<u>Facility Rep</u>	<u>James Smit</u>	<u>2-9-11</u>	<u>James Smit</u>	<u>7-1-11</u>	<u>N/A</u>
7. <u>Gene Sijwerth</u>	<u>Simulator (IT-SA)</u>	<u>Gene Sijwerth</u>	<u>3-15-11</u>	<u>Gene Sijwerth</u>	<u>7-1-11</u>	<u>N/A</u>
8. <u>Michael Dahl</u>	<u>NSO / VALIDATOR</u>	<u>Michael Dahl</u>	<u>3-28-11</u>	<u>Michael Dahl</u>	<u>8-8-11</u>	<u>NA</u>
9. <u>Thomas Norman</u>	<u>NSO / Validator</u>	<u>Thomas Norman</u>	<u>3-28-11</u>	<u>Thomas Norman</u>	<u>8-9-11</u>	<u>N/A</u>
10. <u>John Logan</u>	<u>SRO / VALIDATOR</u>	<u>John Logan</u>	<u>3-28-11</u>	<u>John Logan</u>	<u>7-12-11</u>	<u>NA</u>
11. <u>Peter Moadie</u>	<u>SRO / Validator</u>	<u>Peter Moadie</u>	<u>3/29/11</u>	<u>Peter Moadie</u>	<u>7/12/11</u>	<u>N/A</u>
12. <u>ION TAPAK</u>	<u>IT</u>	<u>ION TAPAK</u>	<u>4/1/11</u>	<u>ION TAPAK</u>	<u>7/14/11</u>	<u>N/A</u>
13. <u>Jeff Quaco</u>	<u>IT</u>	<u>Jeff Quaco</u>	<u>4/1/11</u>	<u>Jeff Quaco</u>	<u>7-6-11</u>	<u>NA</u>
14. <u>Richard Brasley</u>	<u>RO</u>	<u>Richard Brasley</u>	<u>04/04/11</u>	<u>Richard Brasley</u>	<u>7/12/11</u>	<u>N/A</u>
15. <u>BILIAN ALLEN</u>	<u>RO</u>	<u>Bilian Allen</u>	<u>4/4/2011</u>	<u>Bilian Allen</u>	<u>7/13/11</u>	<u>N/A</u>

NOTES:

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. Matthew William Strabich	Unit Supervisor	<i>Matthew W Strabich</i>	4/8/11	<i>Matthew W Strabich</i>	8-9-11	
2. Paul A. Tusa	SRO	<i>Paul A Tusa</i>	5-31-11	<i>Paul A Tusa</i>	7-19-11	
3. PETER C. RANCE	RO	<i>Peter C Rance</i>	5/31/11	<i>Peter C Rance</i>	7/1/11	
4. Steve Russell	OTPS / OVERSIGHT	<i>Steve Russell</i>	5/31/11	<i>Steve Russell</i>	7/1/11	
5. Charles Gerber	NSO	<i>Charles Gerber</i>	5/31/11	<i>Charles Gerber</i>	7/19/11	
6. Scott Churfer	RO	<i>Scott Churfer</i>	6-7-11	<i>Scott Churfer</i>	7-12-11	
7. Norbert Pemp	NSO	<i>Norbert Pemp</i>	6/2/11	<i>Norbert Pemp</i>	7/19/11	
8. Kostas Dova	ILT Group Lead	<i>Kostas Dova</i>	6/24/11	<i>Kostas Dova</i>	7/1/11	
9. Ryan Witcowski	ILT instructor	<i>Ryan Witcowski</i>	6-24-11	<i>Ryan Witcowski</i>	7-1-11	
10. Matt Henson	ILT instructor	<i>Matt Henson</i>	6-24-11	<i>Matt Henson</i>	7/1/11	
11. Scott Kupples	ILT INST.	<i>Scott Kupples</i>	6-27-11	<i>Scott Kupples</i>	7-1-11	
12. BART KELLER	SOS	<i>Bart Keller</i>	6/28/11	<i>Bart Keller</i>	7/1/11	
13. J. Byrlett	ILT Instructor	<i>J. Byrlett</i>	7/1/11	<i>J. Byrlett</i>	7/1/11	
14. K. Norris	ILT Instructor	<i>K. Norris</i>	6/29/11	<i>K. Norris</i>	7/1/11	
15.						

NOTES:

Tier / Group	Randomly Selected K/A	Reason for Rejection
1/1 (Q. #12)	000056AK3.01	Unable to create RO level question that properly discriminates. Replaced with systematically selected K/A 000056K3.02 with same APE and category to keep outline balanced. Updated ES-401-2.
2/1 (Q. #38)	008000A3.04	Randomly selected K/A is from subject (Component Cooling system automatic actions) that is being over sampled on the exam. (was already sampled on cert exam and previously on NRC exam quest #36) Rejected K/A based upon over sampling of this area. Replaced with systematically selected K/A 012000A3.04 from different system but same stem statement (A3.04) to keep outline balanced. Updated ES-401-2.
2/1 (Q. #45)	022000 2.4.50	Unable to create RO level question that properly discriminates. Replaced with systematically selected K/A 059000 2.4.50 with same generic K/A and different system to keep outline balanced. Updated ES-401-2.
1/1 (Q. 79)	000057AA2.11	Randomly selected K/A (loss of AC instrument bus effect on main feed pump indications) is not relevant at Braidwood. All main feed pump instrumentation at Braidwood are DC power supplied and are unaffected by a loss of AC instrument bus. Replaced with systematically selected K/A 000011A2.08 from different system but stem statement from same category (A2) to keep outline balanced. Updated ES-401-2.
1/1 (Q. 80)	000065 2.4.20	Randomly selected K/A (Knowledge of operational implications of EOP warnings, cautions and notes regarding a loss of instrument air is not relevant at Braidwood. No EOPs contain warnings, cautions or notes related to that subject. Replaced with systematically selected K/A 000065 2.4.8 with same APE and category to keep outline balanced. Updated ES-401-2.
1/2 (Q. 85)	000076AA2.06	Unable to create SRO level question from randomly selected K/A (response of PZR LCS to changes in letdown flow rate related to a high RCS activity event). Replaced with systematically selected K/A 000076AA2.02 with same APE and category to keep outline balanced. Updated ES-401-2.
2/1 (Q. 87)	010000A2.01	Unable to create SRO level question from randomly selected K/A. Additionally, PZR heater operation has already been sampled twice on exam (Q. #7 & 37) Replaced with systematically selected K/A 010000A2.02 with same system and category to keep outline balanced. Updated ES-401-2.
2/2 (Q. 93)	072000A2.03	Unable to create SRO level question from randomly selected K/A. Additionally, Area rad monitors interlocks/loss of power been sampled twice on audit exam (Q. #4 & 41) and once on NRC exam (Q. #61). Also the SRO randomly generated outline for tier 2 originally selected (5) A2 K/As and only (3) Generic K/As. Replaced with systematically selected K/A 072000 2.4.11 with same system but in generic category to better balance outline. Updated ES-401-2.
3/4 (Q. 99)	2.4.21	Randomly selected K/A (knowledge of status and logic to assess safety function) concept was already tested on SRO exam (Q. #84). Replaced with systematically selected K/A 2.4.16 s in same tier and category to keep outline balanced. Updated ES-401-2.
1/2 (Q. 22)	000069K2.03	Unable to create RO level question that properly discriminates. Replaced with systematically selected K/A 000003K2.05 from APE not previously sampled and same category (K2) to keep outline balanced. Updated ES-401-2.

Facility: Braidwood		Date of Exam: July 1, 2011		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	WD	cm	BP		
2. Answer key changes and question deletions justified and documented	WD	cm	BP		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	WD	cm	BP		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	WD	cm	BP		
5. All other failing examinations checked to ensure that grades are justified	N/A	n/a cm	BP 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	WD	cm	BP		
Printed Name/Signature		Date			
a. Grader	DAVID J. OLIVER II / <i>[Signature]</i>	7-13-11			
b. Facility Reviewer(*)	Charles D. Zoia / <i>[Signature]</i>	7/26/11			
c. NRC Chief Examiner (*)	Bruce Palagi / <i>[Signature]</i>	7/28/11			
d. NRC Supervisor (*)	Michael Bielby / <i>[Signature]</i> for H. Peterson	7/29/11			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only				
1	H	3											Y		N	S	
2	L	4						X					Y		N	U S	Distracter B. could be correct because step F.3.3 assumes a cooldown temperature. Distracter "D" could be correct because the procedure assumes core xenon is zero. RESOLUTION: Distracters changed
3*	H	2											Y		B	S	LDO marginal retained because it is a bank question RESOLUTION: Replaced with new question
4	H	4											Y		N	S	
5	H	3											Y		N	S	
6*	H	3											Y		B	S	
7	H	2											Y		N	S	

Instructions

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

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
- Check the appropriate box if a psychometric flaw is identified:
 - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - The answer choices are a collection of unrelated true/false statements.
 - The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions - that are not contradicted by stem).
- Check the appropriate box if a job content error is identified:
 - The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - The question requires the recall of knowledge that is too specific for the closed reference test mode (i.e., it is not required to be known from memory).
 - The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those that are *designated SRO-only* (K/A and license level mismatches are unacceptable).
- Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
- Based on the reviewer's judgment, is the question as written (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

* 30 Questions review

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
8	H	3										Y		B	S	
9*	H	3										Y		N	S	
10	H	4										Y		N	S	
11	L	2										N		N	U S	The KA is focused on the length of time batteries will be available after a Station Blackout, operators should have an idea of how long they have until important equipment is lost. RESOLUTION: Replaced with bank question related to station black out.
12*	H	3										Y		N	S	
13	H	3										Y		N	S	
14	L	3										Y		N	S	
15*	L	2										Y		N	S	
16	H	3										Y		M	S	
17	H	3										Y		M	S	
18*	H	3										Y		B	S	
19	H	3										Y		M	S	
20	H	4										Y		N	S	
21*	L	2										Y		B	S	
22	H	3										Y		B	S	
23	H	3										Y		N	S	
24*	L	2										Y		N	S	
25	L	2										Y		N	S	
26	H	3										Y		N	S	
27*	L	3										Y		N	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
28	L	3										Y		N	E	Change wording from "...Switch fails at 500psig,..." to "... Switch fails providing a continuous 500 psig signal,..." RESOLUTION: done
29	H	4										Y		N	S	
30*	H	3										Y		N	E	Provide a picture of the 1PK-131 controller, set as called for in the stem to make the question more operationally valid. RESOLUTION: done
31	H	3										Y		N	S	
32	L	3										Y		N	S	
33*	H	3										Y		N	S	
34	H	3										Y		N	S	
35	H	2										Y		B	S	
36*	H	3										Y		N	S	
37	H	3										Y		N	S	
38	L	3										Y		B	S	
39*	L	3										Y		B	S	
40	H	2										Y		B	S	
41	L	4										Y		N	S	
42*	H	3										Y		N	S	
43	L	3										Y		N	S	
44	L	3										Y		N	S	
45*	L	2										Y		N	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only			
46	L	3										Y		H	E	Quantify the feedwater increase such as " -A rapid 0.2 Mibs/hr. increase in feedwater is made..." RESOLUTION: done
47	L	3										Y		L	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only				
48*	H	3											Y		N	S	
49	H	3											Y		B	S	
50	L	3											Y		N	S	
51*	L	3											Y		N	S	
52	L	3				X							Y		N	U S	Seems like SX is needed for any DG run therefore B&C not credible. How about a Temperature signal, and a Any Start signal. RESOLUTION: distracters B and C changed
53	L	3											Y		N	S	
54*	L	4											Y		N	S	
55	H	5											Y		B	S	
56	H	4											Y		N	S	
57*	H	3											Y		N	S	
58	H	4							X				Y		N	U S	Why can we expect operator to know the BANK D insertion limits without looking it up in the tech spec/COLR? Should the Fig. 2.5.1 be provided or Bank D be inserted even more say to 20 steps? RESOLUTION: BANK D insertion limits have not changed for the life of the plant therefore, all operator are expected to know them, question ok as is.
59	L	2											Y		N	S	Remove "is" from line 2 of stem RESOLUTION: done
60*	L	3											Y		N	S	
61	L	3						X					Y		N	U S	Must an RO know that the overhead crane is used to transfer new fuel to the pool? RESOLUTION: KA rejected question replaced
62	H	3											Y		B	S	
63*	H	2											Y		N	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
64	H	3										Y		B	S	
65	L	4										Y		N	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
66*	L	2		X								Y		N	U S	All answers except the correct one starts with "wait" when answering how to address immediate actions. RESOLUTION: distracters edited to remove the starting "wait"
67	L	3		X		X						Y		N	U/E S	Change distracter "A" no one will choose an answer that says "NO supervisor evaluation is required". Also change "D" to "can be completed using the superseded (old) revision following evaluation that old revision can be completed as written." RESOLUTION: distracters revised
68	H	4										Y		N	S	
69*	L	3										Y		N	S	
70	H	3										Y		B	S	
71	H	4										Y		N	S	
72*	H	3										Y		B	S	
73	L	3										Y		N	S	
74	L	3										Y		B	S	
75*	L	4										Y		B	S	
76	H	3										Y		B	S	
77	H	4										Y		N	S	
78*	H	3										Y		B	S	
79	H	3										Y		B	S	
80	H	3										Y		N	S	
81*	L	3										Y		B	S	
82	H	3										Y		M	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
83	L	2										Y		N	S	
84*	H	3										Y		N	S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
85	L	3										Y		N	S	
86	H	3										Y		N	S	
87*	H	3										Y		B	S	
88	H	3										Y		N	S	
89	H	3										Y	X	N	U S	Not SRO level to answer question all one needs to know is that with the reactor at 25% power and no running feed pumps running the reactor should be tripped RO knowledge. RESOLUTION: Question replaced
90*	H	3										Y		N	S	
91	L	3										N	X	N	U S	Knowing that at .5 psig containment pressure the mini-purge supply will back flow is RO knowledge level. Also the correct answer does not explain <u>why</u> there is a high pressure limit. RESOLUTION: Question replaced
92	L	3										Y		N	S	
93*	H	3										Y		M	S	
94	L	3										Y		M	S	
95	L	2										Y		N	S	
96*	L	5							X			N		N	U S	Cannot expect SROs to know this level of detail from memory. Also this is not a change process question. RESOLUTION: Question replaced
97	L	3										Y		B	S	
98	L	3										Y		M	S	
99*	H	3										Y		B	S	
100	H	3										Y		B	S	

Braidwood 2011 License Examination Outline Comments

- 1) Scenario 11-1 needs another I/C Event or the ATC SRO-I candidate will not have 2 I/C events while ATC this could result in there not being enough actions to grade panel operation. (see ES -301-5 for SRO-I, ATC 11-1 /SRO 11-3 /SRO 11-5) **Some candidates were examined in 3 scenarios all candidates had at least the minimum number of required events.**
- 2) JPM “h. Swap cc Pumps”, and Scenario 11-5 event 4 would have similar actions replace one of them. **JPM h changed to “Respond to RCP Thermal Barrier Leak”**
- 3) For modified JPMs please supply the unmodified JPM when the full examination is submitted for review. **The unmodified JPMs were reviewed during the validation week.**

BRAIDWOOD 2011
OPERATING TEST COMMENTS / RESOLUTIONS

Comment: JPM R300 appears to be a system rather than a admin JPM.

Resolutions: JPM replaced.

Comment: JPMs SIM-222 and SIM-400 are very similar to JPMs used on the 2007 Braid wood Exam.

Resolutions: These JPMs will be considered to have been use on previous exam. However because they were randomly selected and are the only 2 JPMs from a previous exam they do not need to be replaced.

Comment: JPM R-204 change JPM to direct applicant to determine isolation points rather than to review a marked up drawing.

Resolutions: JPM changed as recommended.

Comment: Make 2 versions of Scenario 11-3 one for crews that will be tested in 2 scenarios and a shorter one for crews tested in three scenarios.

Resolutions: Two versions made 11-3a and 11-3b.

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NUREG 1021, Revision 9
Supplement 1

U. S. Nuclear Regulatory Commission
Regional Administrator, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: 2011 Initial License Examination Post Examination

The Braidwood Station 2011 Operator Initial Licensing Examination was administered on July 1, 2011. In accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, Section ES-402, "Administering Initial Written Examinations," the facility licensee should submit formal comments within five working days after the examination is administered. The purpose of this letter is to notify the NRC that Braidwood Station does not challenge the test results and declines to provide post examination comments.

Should you have any questions concerning this letter, please contact Mr. Chris VanDenburgh, Regulatory Assurance Manager, at (815) 417-2800. For questions concerning administration of the examination, please contact Brian Kempen at (815) 458-7860.

Respectfully,



Daniel J. Enright
Site Vice President
Braidwood Station

cc: Chief, NRC Operator Licensing Branch
NRC Senior Resident Inspector – Braidwood Station

Rec'd via ESE
JUL 27 2011