

# Administrative Documents

(Yellow Paper)

## WATTS BAR EXAM 2003-301 50-390/2003-301

MAY 15, 2003

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

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

Facility: Watts Bar Nuclear Plant		Date of Examination:		
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.	TRW	TRW	TRW
	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.	TRW	TRW	TRW
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	TRW	TRW	TRW
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	TRW	TRW	TRW
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	N/A	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 over successive days.	N/A	N/A	
	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.	N/A	N/A	
3. W I 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	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) 40% 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.	N/A	N/A	
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	N/A	N/A	
	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 days.	N/A	N/A	
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.	TRW	TRW	TRW
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	TRW	TRW	TRW
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	TRW	TRW	TRW
	d. Check for duplication and overlap among exam sections.	N/A	N/A	N/A
	e. Check the entire exam for balance of coverage.	TRW	TRW	TRW
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	TRW	TRW	TRW
a. Author		Printed Name / Signature		Date
b. Facility Reviewer (*)		George T. Hopper		3-27-03
c. NRC Chief Examiner (#)		MICHAEL E. ERNSTES		3/27/03
d. NRC Supervisor		MICHAEL E. ERNSTES		5/14/03
Note: * Not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.				

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 5/12/03 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 persons any information concerning the NRC licensing examinations administered during the week(s) of 5/12/03. 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)	DATENOTE
1. Terry L. Newman	Initial Licensee Trng Lead (Author)	<i>Terry L. Newman</i>	<u>5/1/03</u>	<i>Terry L. Newman</i>	<u>5/15/03</u>
2. William H. Russell	SHIFT MANAGER (Author)	<i>William H. Russell</i>	<u>3-4-03</u>	<i>William H. Russell</i>	<u>5-15-03</u>
3. Joshua H. Bowman	Unit Supervisor (Author)	<i>Joshua H. Bowman</i>	<u>4/1/03</u>	<i>Joshua H. Bowman</i>	<u>5/15/03</u>
4. Mary L. Watson	NLOR Lead (Validation)	<i>Mary L. Watson</i>	<u>4/23/03</u>	<i>Mary L. Watson</i>	<u>5/15/03</u>
5. Kenneth H. Evans	Ops Trng Manager	<i>Kenneth H. Evans</i>	<u>4/23/03</u>	<i>Kenneth H. Evans</i>	<u>5/15/03</u>
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

NOTES:

Facility: Watts Bar Nuclear Unit 1		Date of Exam: 5/12/2003		Exam Level: RO (SRO)		
Item Description				Initial		
				a	b*	c*
1.	Questions and answers technically accurate and applicable to facility			TR	TW	ATK
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			TR	TW	ATK
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401			TR	TW	ATK
4.	Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process					ATK
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)			TR	TW	ATK
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 question distribution at right	Bank 49 56	Modified 7 10	New 44 34	TR	TW ATK
7.	Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory 33 40	CIA 67 60	TR	TW	ATK
8.	References/handouts provided do not give away answers			TR	TW	ATK
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			TR	TW	ATK
10.	Question psychometric quality and format meet ES, Appendix B, guidelines			TR	TW	ATK
11.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet			TR	TW	ATK
a. Author				Printed Name / Signature		Date
b. Facility Reviewer (*)				George T. Hopper / George T. Hopper		4/25/03
c. NRC Chief Examiner (#)				MICHAEL E. ERNSTES / Michael E. Ernstes		5/14/03
d. NRC Regional Supervisor						5/14/03
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws			5. Other	6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia			
Instructions												
[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]												
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. . More than one distractor 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 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.											
5.	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).											
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
44	H	2										N	Y	U	1. 001A2.16 Didn't see any mismatched control rods before, during or after event. Does AOI 2 provide guidance to do what the SM directed? Replaced question RLM 5/12/2003
1	H	2										Y		S	2. 001AA2.05
61	H	3										N		U	3. 001K1.02 Need to have something about rod control in answers. The relationship is a given in the stem. Also, not enough is change to take credit for modification. Incorporated comments 5/12/03 RLM
86	H	4										Y		S	4. G2.1.25
84	L	3										Y		S	5. G2.1.3
87	L	2										Y		S	6. G2.1.34
85	H	3										Y	Y	E	7. G2.1.7 Is the Rx tripped? Incorporated comments 5/12/03 RLM
88	L	2										Y	Y	S	8. G2.2.20

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		
89	L	2									Y	Y	S	9. G2.2.28
90	L	2									Y	Y	S	10. G2.2.31
91	H	3									N		U	11. G2.2.33 No mention of control rod programming anywhere in question. Incorporated comments 5/12/03 RLM
95	L	3									Y	Y	S	12. G2.3.10
92	L	2									Y		S	13. G2.3.2
93	L	2									N	Y	U	14. G2.3.3 This is a systems question, no mention of SRO responsibilities. Replaced question 5/12/03 RLM
94	L	3									Y		S	15. G2.3.9
96	H	3									Y	Y	S	16. G2.4.11
97	H	4									Y	Y	S	17. G2.4.21
98	L	2									Y		S	18. G2.4.27
99	L	2									Y	Y	S	19. G2.4.29
63	H	2									N		U	20. 002A4.04 Doesn't ask about filling or draining. Also GFE level question. Incorporated comments 5/12/03 RLM
2	H	3									Y		S	21. 003AK3.08
45	H	2									Y		E	22. 003K6.02 Should Rx trip be placed in stem or incorporated into the answers? AOI 24 has Rx trip>P8 prior to pump trip. Incorporated comments 5/12/03 RLM
46	L	2									Y		S	23. 004K4.08
3	H	2									Y		E	24. 005AK3.06 Distractors are asymmetrical Incorporated comments 5/12/03 RLM



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		
80	H	2									N	Y	S	25. 008G2.1.12
25	H	3									Y		S	26. 008AK3.01
26	H	3									Y		S	27. 009EK2.03
4	H	3									N		U	28. 011 EA1.03 Mixing of Large and Small LOCA requirements. Replaced question 5/12/2002 RLM

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Q#	1. LOK (FH)	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		
64	H	2									Y	S	29. 011K4.07
65	H	2									Y	S	30. 012K4.05
47	H	3									Y	S	31. 013K2.01
48	H	2									Y	S	32. 014K5.01
49	H	2									Y	S	33. 015A1.04
5	H	2									Y	S	34. 015AK1.05
66	H	3									Y	S	35. 016K5.01
50	L	3									Y	S	36. 017K4.03
27	H	2									Y	S	37. 022AA1.08
51	L	2									Y	S	38. 022K4.03
6	L	2									Y	S	39. 024AA2.02
28	H	3									Y	E	40. 025AK2.01. AOI 15 would be a better distractor for A. Changed distractor A. 4/30/2003 (RLM/TLN)
52	L	2									Y	S	41. 025G2.1.14
53	H	3									N	U	42. 025K3.01 K/A is the effect loss of Ice Condenser will have on CTMT. This questions asks the of a power loss on the Ice Condenser. Replaced question 5/12/03 RLM
54	H	3									Y	S	43. 026G2.2.9
7	H	2									Y	S	44. 026G2.4.11
29	H	2									N	U	45. 027AK1.03 Calling a leaking safety a PCS malfunction is a stretch. Might could use a zero shift on a PORV as entry Incorporated comments 5/12/03 RLM
41	H	3									Y	S	46. 028AA2.11

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		
67	L	3										Y		S	47. 028K2.01
68	L	2										Y		S	48. 029A3.01

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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= K/A			SRO Only
8	H	3										Y		E	49. 029EK2.06 Need to replace 'or' w/ 'not'. Fixed 4/30/2003(RLM/TLN)
30	L	2		X								Y		U	50. 032AA2.09 "Multiple Avalanches" in stem points toward correct answer. Removed 'avalanche' reference 4/30/03(RLM/TLN)
69	L	2										Y	Y	S	51. 034G2.2.6
70	H	3										Y	Y	S	52. 035G2.4.22
31	L	3										N			53. 037G2.4.2.037 is tube leak AOI, G2.4.2 is EOP. Therefore, question must relate transition from AOI to EOP w/ reference to setpoint(s) along the way. Replaced question 5/12/03 RLM
32	L	2										N		U	54. 038EA1.08 Note: 038EK1.08 does not exist, need to change LXR bank. Sample plan OK. Applicant is given a reading from core cooling monitor. How does this test ability to operator/monitor per A1 K/A. Also, this is the 3 <sup>rd</sup> time to test applicants ability to read a steam table. Incorporated comments 5/12/03 RLM
71	H	3		X								N	Y	U	55. 039A2.02 The stem gives the impact of power reduction on the safety. Applicant is supposed to predict the impact. Replaced question 5/12/03 RLM
9	H	2										Y		E	56. 040AA1.24 If #2 S/G is 0 psig, then it's Tc = Th for that loop. Hence all 4 Tc's cannot be 435. Changed to delist #2 S/G as 435 4/30/03 (RLM/TLN)
81	H	3										Y		S	57. 041K6.03
10	L	2										Y		S	58. 051AA1.04 A stretch on rod position, but OK.
33	L	2										N	Y	U	59. 054AA2.08 Does not relate to trend recorder, but rather asking trip criteria for hotwell makeup. Replaced question 5/12/03 RLM
72	H	2										Y		S	60. 055K1.06 Sample plan has this as K1.06 vice A. 106 Incorporated comments 5/12/03 RLM

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	
11	H	2										N	Y	U 61. 055G2.2.30 Question if for Loss of offsite power, not Blackout Changed to KA 055G2.2.25 due to inability to tie RO refueling activities to a blackout scenario in a meaningful way. Changed question RLM 5/12/03
55	H	3										Y	Y	S 62. 056A2.04
42	L											Y	Y	U 63. 056AG2.4.21 This question is really a blackout and what procedure to use. Would be better to allow D/G's to start and stick some rods, requiring Emergency Borate and check to see if natural circ occurs. Incorporated comments 5/12/03 RLM
12	H	2										Y		S 64. 057AA2.12
56	H	3										y		S 65. 059A3.04
13	H	3										Y	Y	S 66. 059AG2.4.8
34	H	3										N		U 67. 060AK1.02 Where is the Accidental Waste Gas Release? Incorporated comments 5/12/03 RLM
35	H	2										Y		S 68. 060AK3.02

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			
37	L	2										Y		S	69. 061AK2.01
36	H	2										N		U	70. 061AG2.3.4 This is an E-Plan question. Where's the area rad monitor? Incorporated comments 5/3/03 RLM
57	L											Y		S	71. 061K2.01
73	H	3										N		U	72. 062A2.07 No mention of disconnects in question. Replaced question 5/12/03 RLM
14	H	2										N	Y	U	73. 062AA2.03 This is more of a K1 Systems question. Needs to be a loss of ERCW type of question. Incorporated comments 5/12/03 RLM
58	L	3										Y		S	74. 063A4.02
74	L	3		X								N		U	75. 064K2.03 K/A is about power supply to EDG control pwr, not effects of loss of control power. Stem tells the source of control pwr. Replaced question 5/12/03 RLM
15	L	1										Y		S	76. 067AK3.02
16	L	3										Y		S	77. 068AK2.03
59	H	3										Y		S	78. 068K1.07
17	L	2										Y		S	79. 069AK1.01
60	H	3										Y		S	80. 071K3.04
62	L	2										Y		S	81. 072K1.01
75	1	4										N		U	82. 073A1.01 Nothing about rad levels or predicting/monitoring Replaced question 5/12/03 RLM
18	H	2										Y		S	83. 074EK1.08
76	H	2										N		U	84. 075K3.07 ONLY MATCHES K/A if RPS is considered ESFAS Per Randy Evans, WB considers RPS part of ESFAS RLM 5/2/03


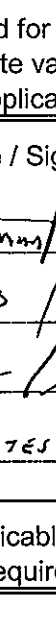


Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A			SRO Only
19	L	2										Y		S	85. 076AA1.04
82	H	3										N		U	86. 076K2.04 It appears that removal of the only reference to a power supply would not change the question?? Replace question 5/12/2003 RLM
83	1	3										Y		S	87. 078A3.01
77	2	3										Y		S	88. 079A4.01









Facility: Watts Bar Nuclear		Date of Exam: 5/15/2003		Exam Level: RO <u>SRO</u>	
Item Description		Initials			
		a	b	c	
1.	Clean answer sheets copied before grading	JHB	RHE	NA	
2.	Answer key changes and question deletions justified and documented	JHB	RHE	NA	
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	JHB	RHE	NA	
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	JHB	RHE	NA	
5.	All other <u>failing</u> examinations checked to ensure that grades are justified	N/A	NA	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	JHB	RHE	NA	
Printed Name / Signature		Date			
a. Grader	Joshua H. Bowman / 	5-16-2003			
b. Facility Reviewer(*)	RHE / 	5/16/03			
c. NRC Chief Examiner (*)	George Hopper / 	5/29/03			
d. NRC Supervisor (*)	MICHAEL E. EAMSTES / 	5/30/03			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

WATTS BLAIR 03-301

Task Description	Date Complete
1. Facility written exam comments or graded exams received and verified complete	② 5/21/03
2. Facility written exam comments reviewed and incorporated and NRC grading completed, if necessary <i>NO COMMENTS RECD</i>	ATA 5/29/03
3. Operating tests graded by NRC examiners	N/A
4. NRC Chief examiner review of written exam and operating test grading completed	ATA 5/29/03
5. Responsible supervisor review completed	ATA 5/29/03
6. Management (licensing official) review completed	MTC 6/3/03
7. License and denial letters mailed	② 6/3/03
8. Facility notified of results	② 6/3/03
9. Examination report issued (refer to NRC MC 0610)	6/12/2003
10. Reference material returned after final resolution of any appeals	N/A