

*SKO ONLY WRITTEN
RETAKE*

ES-201

Examination Preparation Checklist

Form ES-201-1

Facility: <u>SQUELHANA WRITTEN RETAKE</u>		Date of Examination: <u>12/15/03</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)	<i>JH</i>
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	<i>JH</i>
-120	3. Facility contact briefed on security & other requirements (C.2.c)	<i>JH</i>
-120	4. Corporate notification letter sent (C.2.d)	<i>JH</i>
[-90]	[5. Reference material due (C.1.e; C.3.c)]	<i>JH</i>
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	<i>JH</i>
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	<i>JH</i>
-45	8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	<i>JH</i>
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202)	<i>JH</i>
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	<i>JH</i>
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	<i>JH</i>
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	<i>JH</i>
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	<i>JH</i>
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	<i>JH</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>JH</i>
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	<i>NA</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>		

*NOTE: MILESTONE DATES DIFFERED BECAUSE OF SHORT
TORN-AROUND BETWEEN AUGUST 03 INITIAL EXAM
FAILURE 25 OF 25 & DEC 15, 2003 RETAKE DATE.
SCHEDULE WAS COMPRESSED*

Facility: SUSQUEHANNA		Date of Examination: 12/15/03		
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.	RJB	KML	JM
	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.	RJB	KML	JM
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	RJB	KML	JM
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	RJB	KML	JM
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 applicant's audit test(s)*, and scenarios will not be repeated on subsequent days.	N/A	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	N/A
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 applicant's 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	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) 4 - 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.	N/A	N/A	N/A
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	N/A	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 subsequent days.	N/A	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.	RJB	KML	JM
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	RJB	KML	JM
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	RJB	KML	JM
	d. Check for duplication and overlap among exam sections.	N/A	N/A	N/A
	e. Check the entire exam for balance of coverage.	RJB	KML	JM
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	RJB	KML	JM
Printed Name / Signature				
a. Author	Richard J. Brooks / <i>RJB</i>			Date
b. Facility Reviewer (*)	Katherine Roush / <i>KML</i>			10/8/03
c. NRC Chief Examiner (#)	John Canuso / <i>JM</i>			10/9/03
d. NRC Supervisor	Richard J. Canuso / <i>RJB</i>			10/11/03
Note: * Not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.				

1. Pre-Examination

Susquehanna

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 12/15/03 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 12/15/03 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. Richard J. Brooks	Exam Developer	<i>RJ Brooks</i>	10/1/03	<i>RJ Brooks</i>	12/15/03	
2. R. H. HALL	Exam Developer	<i>RH Hall</i>	10/1/03	<i>RH Hall</i>	12/16/03	
3. Terry W. Logsdon	Exam Developer	<i>Terry W. Logsdon</i>	10/1/03	<i>Terry W. Logsdon</i>	12/18/03	
4. K M Koush	Mgr Nuclear Training ^{Facility Reviewer}	<i>KM Koush</i>	10/9/03	<i>KM Koush</i>	12/17/03	
5. Robert Boesch	Supv. - Ops Instruction	<i>Rob Boesch</i>	10/9/03	<i>Rob Boesch</i>	12/14/03	
6. James K. Williams	Unit Supervisor	<i>James K. Williams</i>	10/28/03	<i>James K. Williams</i>	12-17-03	
7. Mike Boyle	Unit Supervisor	<i>Mike Boyle</i>	10/28/03	<i>Mike Boyle</i>	12/17/03	
8. Bill Morris	Unit Supervisor	<i>Bill Morris</i>	11/04/03	<i>Bill Morris</i>	12/17/03	
9. Abdul Kadir	Unit Superv / Exam Review	<i>Abdul Kadir</i>	11/4/03	<i>Abdul Kadir</i>	12/17/03	
10. Greg Foster	Project Digital Control Analyst	<i>Greg Foster</i>	11/4/03	<i>Greg Foster</i>	11/4/03	
11. John PETRILLA III	UNIT SUPERVISOR	<i>John Petrilla III</i>	11/12/03	<i>John Petrilla III</i>	11/17/03	
12. Tom Fedorko	Unit Supervisor	<i>Tom Fedorko</i>	11/12/03	<i>Tom Fedorko</i>	12/22/03	
13. Edward J. Bruce	UNIT SUPERVISOR	<i>Edward J. Bruce</i>	12-9-03	<i>E Bruce</i>	12-16-03	
14. Keith W. Szwed	UNIT SUPERVISOR	<i>Keith W. Szwed</i>	12-9-03	<i>Keith W. Szwed</i>	1/6/04	
15. W. D. Domenico	Unit Supervisor	<i>W. D. Domenico</i>	12/9/03	<i>William D. Domenico</i>	12/16/03	

NOTES:

Facility: **SUSQUEHANNA**Date of Exam: **12/15/03** Exam Level: **SRO**

Item Description	Initial		
	a	b*	c#
1. Questions and answers technically accurate and applicable to facility	RRB	RRB	RRB
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	RRB	RRB	RRB
3. SRO questions are appropriate per Section D.2.d of ES-401	RRB	RRB	RRB
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> the audit exam was systematically and randomly developed; or <input checked="" type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	RRB	RRB	RRB
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 0	Modified 0	New 25
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.	M/F 4	C/A 21	RRB
8. References/handouts provided do not give away answers	RRB	RRB	RRB
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	RRB	RRB	RRB
10. Question psychometric quality and format meet ES, Appendix B, guidelines	RRB	RRB	RRB
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet	RRB	RRB	RRB
<div style="display: flex; justify-content: space-between;"> <div> Printed Name / Signature a. Author <u>R. J. Brooks</u> b. Facility Reviewer (*) <u>Robert Boesch</u> c. NRC Chief Examiner (#) <u>John G. Canuso</u> d. NRC Regional Supervisor <u>R. J. Canale</u> </div> <div> Date <u>12/10/03</u> <u>12/10/03</u> <u>12/11/03</u> <u>12/12/03</u> </div> </div>			
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column Ac; chief examiner concurrence required.			

Facility: <u>Susquehanna</u>		Date of Exam: <u>12/15/03</u>		Exam Level: RO/SRO	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>RJB</u>	<u>RRB</u>	<u>JA</u>		
2. Answer key changes and question deletions justified and documented	<u>RJB</u>	<u>RRB</u>	<u>JA</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>RJB</u>	<u>RRB</u>	<u>JA</u>		
4. Grading for all borderline cases (80 +/- 2% overall and 70 +/- 4% on the SRO-only) reviewed in detail	<u>RJB</u>	<u>RRB</u>	<u>JA</u>		
5. All other failing examinations checked to ensure that grades are justified	<u>RJB</u>	<u>RRB</u>	<u>NA</u>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<u>RJB</u>	<u>RRB</u>	<u>JA</u>		
Printed Name / Signature		Date			
a. Grader	<u>R.J. Brooks / <i>[Signature]</i></u>	<u>12/18/03</u>			
b. Facility Reviewer(*)	<u>Robert Boesch / <i>[Signature]</i></u>	<u>12/18/03</u>			
c. NRC Chief Examiner (*)	<u>John W. Causo / <i>[Signature]</i></u>	<u>1/7/04</u>			
d. NRC Supervisor (*)	<u>Richard J. Conte / <i>[Signature]</i></u>	<u>1/9/04</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					