

Facility: <u>PEACH BOTTOM ATOMIC POWER STATION</u>		Date of Examination: <u>8/13/01</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)	gHW
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	gHW
-120	3. Facility contact briefed on security & other requirements (C.2.c)	gHW
-120	4. Corporate notification letter sent (C.2.d)	gHW
[-90]	[5. Reference material due (C.1.e; C.3.c)]	N/A
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	gHW
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	gHW
-45	8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	gHW
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202)	gHW
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	gHW
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	gHW
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	gHW
-7	13. Written examinations <del>and operating tests</del> approved by NRC supervisor (C.2.i; C.3.h)	gHW
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	gHW
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	gHW
-7	16. <del>Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)</del>	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: <u>PEACH BOTTOM</u>		Date of Examination: <u>8/13</u>		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
2. S I M	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity; ensure each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s)*, and scenarios will not be repeated over successive days.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
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.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	b. Verify that: (1) the tasks are distributed among the safety function groupings as specified in ES-301, (2) one task is conducted in a low-power or shutdown condition, (3) 40% of the tasks require the applicant to implement an alternate path procedure, (4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and (5) the in-plant walk-through requires the applicant to enter the RCA.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	d. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on successive days.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	<u>W</u>	<u>BSL</u>	<u>gHW</u>
	d. Check for duplication and overlap among exam sections.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	e. Check the entire exam for balance of coverage.	<u>NA</u>	<u>NA</u>	<u>N/A</u>
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	<u>W</u>	<u>BSL</u>	<u>gHW</u>
a. Author		Printed Name / Signature		Date
b. Facility Reviewer (*)		<u>Thomas K. Van Wyen / T.K. Van Wyen</u>		<u>5/11/01</u>
c. NRC Chief Examiner (#)		<u>Robert J. Franssen / Robert J. Franssen</u>		<u>5/14/01</u>
d. NRC Supervisor		<u>Julian H. Williams / Julian H. Williams</u>		<u>5/15/01</u>
		<u>Richard J. Cate / Richard J. Cate</u>		<u>5/18/01</u>
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 Aug 13<sup>th</sup> (2001) 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 \_\_\_\_\_. 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. Thomas K. Van Wyen	Facility Author	<i>T. K. Van Wyen</i>	3/27/01	<i>T. K. Van Wyen</i>	13 Aug 2001
2. PHILIP E. NIELSEN	NRC EXAM DEVELOPMENT COORDINATOR	<i>Philip E. Nielsen</i>	27 MAR 01	<i>Philip E. Nielsen</i>	13 AUG 2001
3. Michele Amberman	Admin Assistant	<i>Michele Amberman</i>	3/28/01	<i>Michele Amberman</i>	13 Aug 2001
4. ROBERT G. BIRLEY	MGR. - OPS TRN	<i>Robert G. Birley</i>	3/28/01	<i>Robert G. Birley</i>	
5. Robert J. Franssen	Ops Shift Mgr - Facility Rep	<i>Robert J. Franssen</i>	4-5-01	<i>Robert J. Franssen</i>	8-30-01
6. Ronald W. Long	Instructor	<i>Ronald W. Long</i>	4-9-01	<i>Ronald W. Long</i>	13 Aug 2001
7. Virginia Billings	CLOCK	<i>Virginia Billings</i>	4-9-01	<i>Virginia Billings</i>	13 Aug 2001
8. MICHAEL ALFONSO	TRAINING DIRECTOR	<i>Michael Alfonso</i>	5-21-01	<i>Michael Alfonso</i>	30 Aug 2001
9. Wade J. Scott	Chemist	<i>Wade J. Scott</i>	5-31-01	<i>Wade J. Scott</i>	30 Aug 2001
10. Michael D. LeBrun	Reactor Operator	<i>Michael D. LeBrun</i>	6-6-01	<i>Michael D. LeBrun</i>	8/31/01
11. MITCHEL R. SAARE	SENIOR REACTOR OPERATOR	<i>Mitchel R. Saare</i>	6-6-01	<i>Mitchel R. Saare</i>	9/4/01
12. THEODORE V. WINGFIELD	SENIOR REACTOR OPERATOR	<i>Theodore V. Wingfield</i>	6-6-01	<i>Theodore V. Wingfield</i>	8-31-01
13. John J. Bouck	Director - Plant Operations	<i>John J. Bouck</i>	6/27/01	<i>John J. Bouck</i>	9/4/01
14. William V. Zuppe	RO	<i>William V. Zuppe</i>	7/24/01	<i>William V. Zuppe</i>	8/31/01
15.					

NOTES:

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. <del>Thomas K. Van Wyen</del>	Facility Author	<i>T. K. Van Wyen</i>	2/21/01	<i>T. K. Van Wyen</i>	13 Aug 2001
2. <del>PHILIP E. NIELSEN</del>	NRC EXAM DEVELOPMENT COORDINATOR	<i>Philip E. Nielsen</i>	2/24/01	<i>Philip E. Nielsen</i>	13 Aug 2001
3. <del>Michelle Amberman</del>	Admin Assistant	<i>Michelle Amberman</i>	3/28/01	<i>Michelle Amberman</i>	13 Aug 2001
4. <del>ROBERT G. BIRLEY</del>	MGR. - OPS TRN	<i>Robert G. Birley</i>	3/28/01	<i>Robert G. Birley</i>	9/5/01
5. <del>Robert J. Franssen</del>	Ops Shift Mgr - Facility Rep	<i>Robert J. Franssen</i>	4-5-01	<i>Robert J. Franssen</i>	8-30-01
6. <del>Ronald W. Long</del>	Instructor	<i>Ronald W. Long</i>	4-9-01	<i>Ronald W. Long</i>	13 Aug 2001
7. <del>Virginia Sillings</del>	CHECK	<i>Virginia Sillings</i>	4-9-01	<i>Virginia Sillings</i>	13 Aug 2001
8. <del>MICHAEL ALFONSO</del>	TRAINING DIRECTOR	<i>Michael Alfonso</i>	5-21-01	<i>Michael Alfonso</i>	30 Aug 2001
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11. <del>MITCHEL R. SAARE</del>	SENIOR REACTOR OPERATOR	<i>MITCHEL R. SAARE</i>	6-6-01	<i>MITCHEL R. SAARE</i>	9/1/01
12. <del>THEODORE V. WINGFIELD</del>	SENIOR REACTOR OPERATOR	<i>THEODORE V. WINGFIELD</i>	6-6-01	<i>THEODORE V. WINGFIELD</i>	8-31-01
13. <del>John J. Buck</del>	Director - Plant Operations	<i>John J. Buck</i>	6/12/01	<i>John J. Buck</i>	9/4/01
14. <del>William V. Zappe</del>	RO	<i>William V. Zappe</i>	7/2/01	<i>William V. Zappe</i>	8/21/01
15.					

NOTES:

Facility: <u>Peach Bottom Atomic Power Station</u> Date of Exam: <u>6/13/01</u> Exam Level: <u>RO/SRO</u>																		
Item Description	Initial																	
	a	b*	c*															
1. Questions and answers technically accurate and applicable to facility	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			<u>ghw</u>															
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 type="checkbox"/> the audit exam was completed before the license exam was started; or <input checked="" 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)	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank <u>18%</u>	Modified <u>1%</u>	New <u>81%</u>															
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 <u>40</u>	C/A <u>60</u>																
8. References/handouts provided do not give away answers	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
10. Question psychometric quality and format meet ES, Appendix B, guidelines	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	<u>rw</u>	<u>JB</u>	<u>ghw</u>															
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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.																		

Facility: <u>Peach Bottom Atomic Power Station</u> Date of Exam: <u>8/13/01</u> Exam Level: <u>RO/SRO</u>																		
Item Description	Initial																	
	a	b*	c*															
1. Questions and answers technically accurate and applicable to facility	rw	QB	qhw															
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	rw	QB	qhw															
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	rw	QB	qhw															
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			qhw															
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 type="checkbox"/> the audit exam was completed before the license exam was started; or <input checked="" 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)	rw	QB	qhw															
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 27%	Modified 2%	New 71%															
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 45	C/A 55																
8. References/handouts provided do not give away answers	rw	QB	qhw															
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	rw	QB	qhw															
10. Question psychometric quality and format meet ES, Appendix B, guidelines	rw	QB	qhw															
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	rw	QB	qhw															
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Facility: <u>PEACH BOTTOM UNIT 2+3</u>		Date of Exam: <u>13 AUG 2001</u>		Exam Level: RO <u>(SRO)</u>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>PN</u>	<u>ru</u>	<u>ghw</u>		
2. Answer key changes and question deletions justified and documented	<u>N/A</u> <u>PN</u>	<u>N/A</u> <u>ru</u>	<u>ghw</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>PN</u>	<u>ru</u>	<u>ghw</u>		
4. Grading for all borderline cases (80% +/- 2%) reviewed in detail	<u>N/A</u> <u>PN</u>	<u>N/A</u> <u>ru</u>	<u>ghw</u>		
5. All other failing examinations checked to ensure that grades are justified	<u>N/A</u> <u>PN</u>	<u>N/A</u> <u>ru</u>	<u>ghw</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>PN</u>	<u>ru</u>	<u>ghw</u>		
Printed Name / Signature		Date			
a. Grader	<u>PHILIP E. NIESEN / <u>PN</u></u>		<u>16 AUG 2001</u>		
b. Facility Reviewer(*)	<u>Thomas K. Van Welyen / <u>T.K. Van Welyen</u></u>		<u>16 Aug 2001</u>		
c. NRC Chief Examiner (*)	<u>Julian H. Williams / <u>Julian H. Williams</u></u>		<u>8/17/01</u>		
d. NRC Supervisor (*)	<u>P.J. Conte / <u>P.J. Conte</u></u>		<u>8/15/01</u>		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					