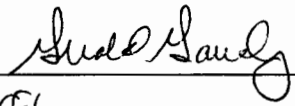
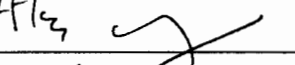




Facility: <u>Salem</u>		Date of Exam: <u>12/19/16</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description	Initial					
	a	b*	c*#			
1. Questions and answers are technically accurate and applicable to the facility.	<u>A</u>	<u>Q</u>	<u>2</u>			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	<u>A</u>	<u>Q</u>	<u>2</u>			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	<u>A</u>	<u>Q</u>	<u>2</u>			
4. The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).	<u>A</u>	<u>Q</u>	<u>2</u>			
5. Question duplication from the licensee 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 ___ the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or ___ other (explain)	<u>A</u>	<u>Q</u>	<u>2</u>			
6. Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right	Bank	Modified	New			
	<u>41/15</u>	<u>110</u>	<u>33/10</u>	<u>A</u>	<u>Q</u>	<u>2</u>
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.	Memory	C/A				
	<u>36/10</u>	<u>39/15</u>	<u>A</u>	<u>Q</u>	<u>2</u>	
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	<u>A</u>	<u>Q</u>	<u>2</u>			
9. Question content conforms to 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>A</u>	<u>Q</u>	<u>2</u>			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	<u>A</u>	<u>Q</u>	<u>2</u>			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.	<u>A</u>	<u>Q</u>	<u>2</u>			
Printed Name / Signature			Date			
a. Author	<u>Gerald Gauding</u>	<u>Gerald Gauding</u>	<u>10/10/16</u>			
b. Facility Reviewer (*)	<u>Jean Fleming</u>	<u>Jean Fleming</u>	<u>10/12/16</u>			
c. NRC Chief Examiner (#)	<u>J. D'ANNUNZIO</u>	<u>J. D'ANNUNZIO</u>	<u>11/8/16</u>			
d. NRC Regional Supervisor	<u>D.E. Jackson</u>	<u>D.E. Jackson</u>	<u>11/22/16</u>			
Note:	* The facility reviewer's initials or signature are not applicable for NRC-developed examinations.					
	# Independent NRC reviewer initials items in Column "c"; chief examiner concurrence required.					

Facility: <u>Salem</u>		Date of Exam: <u>12/19/16</u>		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	Y	W	R		
2. Answer key changes and question deletions justified and documented	Y	W	R		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	Y	W	R		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	Y	W	R		
5. All other failing examinations checked to ensure that grades are justified	Y	W	R		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	Y	W	R		
Printed Name/Signature		Date			
a. Grader	<u>Gerald Gauding</u> 		<u>12/19/16</u>		
b. Facility Reviewer(*)	<u>William Muffley</u> 		<u>12/20/16</u>		
c. NRC Chief Examiner (*)	<u>J. D'AMONDO</u> 		<u>01/10/2017</u>		
d. NRC Supervisor (*)	<u>Donald E. Jackson</u> 		<u>1/23/17</u>		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

- b. After evaluating the examinations, review the grading *in detail* and complete Form ES-403-1, "Examination Grading Quality Checklist."
- c. Forward the examination package (i.e., the master examination and answer key, justification for any examination changes, any item analysis that was performed, the applicant's examination cover and answer sheets (the graded original and one clean copy), and Form ES-403-1) to the designated facility representative (if applicable) or to the NRC's chief examiner for review in accordance with ES-501.

E. Attachments/Forms

Form ES-403-1 Written Examination Grading Quality Checklist