

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				
1	H	3											Y		B	S	
2	H	3											Y		N	S	
3	H	3											Y		M	S	
4	H	3											Y		B	S	
5	H	3											Y		B	S	
6	F	2											Y		N	S	
7	F	3											Y		B	S	
8	H	2											Y		B	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).

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9	F	3										Y		B	S	
10	H	3										Y		M	S	
11	H	3										Y		M	S	
12	H	4										Y		N	S	
13	H	3										Y		M	S	
14	H	3										Y		B	S	
15	H	3										Y		N	S	
16	F	3										Y		M	S	
17	H	3										Y		N	S	
18	F	3										Y		B	S	
19	H	3										Y		M	S	
20	F	3										Y		B	S	
21	H	3										Y		B	S	
22	H	3										Y		B	S	
23	H	3										Y		B	S	
24	F	3										Y		B	S	
25	F	3										Y		M	S	
26	H	3										Y		M	S	
27	F	3										Y		M	S	
28	F	2										Y		N	S	

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29	H	3										Y		N	S	
30	F	3										Y		B	S	
31	H	2										Y		M	S	
32	H	3										Y		B	S	
33	F	3										Y		N	S	
34	H	3										Y		M	S	
35	F	3										Y		N	S	
36	H	3										Y		B	S	
37	F	4										Y		N	S	
38	H	3										Y		M	S	
39	F	2										Y		B	S	
40	H	3										Y		M	S	
41	H	3										Y		M	S	
42	F	3										Y		N	S	
43	F	2										Y		N	S	
44	F	2										Y		N	S	
45	F	4										Y		B	S	
46	F	2										Y		M	S	
47	H	3										Y		B	S	
48	F	2										Y		B	S	
49	H	2										Y		M	S	
50	H	2										Y		N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
51	H	2										Y		M	S	
52	F	3										Y		N	S	
53	F	3										Y		M	S	
54	F	3										Y		B	S	
55	H	3										Y		B	S	
56	F	3										Y		M	S	
57	F	3										Y		B	S	
58	H	3										Y		M	S	
59	H	3										Y		M	S	
60	F	3										Y		N	S	
61	H	4										Y		M	S	
62	H	3										Y		M	S	
63	H	3										Y		M	S	
64	F	3										Y		B	S	
65	F	3										Y		N	S	
66	F	3										Y		B	S	
67	F	1						X				Y		N	U	LOD=1; Low Operational validity; Replaced KA & Q
68	F	1										Y		M	U	LOD=1; Replaced K/A and Q
69	H	2										Y		M	S	
70	H	3										Y		M	S	
71	H	2										Y		M	S	
72	H	3										Y		B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only				
73	F	3											Y		M	S	
74	H	3											Y		B	S	
75	H	3											Y		B	S	
76	H	3											Y	Y	N	S	K/A matched for Part (b) of K/A
77	H	4											Y	Y	N	S	
78	H	3											Y	Y	N	S	
79	H	3											Y	Y	N	S	
80	H	3											Y	Y	N	S	
81	H	3											Y	Y	B	S	
82	H	3											Y	Y	M	S	
83	H	3											Y	Y	M	S	K/A matched for Part (b) of K/A
84	H	3											Y	Y	N	S	
85	H	3											Y	Y	N	S	
86	H	3											Y	Y	N	S	
87	H	3											Y	Y	M	S	
88	H	3											Y	Y	M	S	
89	H	3											Y	Y	M	S	
90	H	4											Y	Y	B	S	
91	H	3											Y	Y	B	S	
92	H	3											Y	Y	B	S	
93	H	3											Y	Y	B	S	
94	H	2											Y	Y	B	S	

To: Todd Fish, Chief Examiner
From: Fred Bruns, Peach Bottom Regulatory Exam Author
Subject: Revisions to Peach Bottom Operating Exam Materials for the
December 2008 Initial NRC Examination

The following materials were revised based on comments from the NRC Examination Team during the on-site exam preparation held November 10 – 13, 2008.

- A. Administrative JPMs:
1. Modified the component to be isolated for the RO Equipment Control JPM.
 2. Provided additional forms and modified the performance steps for the first SRO Conduct of Operations JPM.
 3. Modified the critical steps for the SRO Equipment Control JPM.
 4. Modified / added initial conditions to provide alternate EAL classification for candidate consideration for the SRO Emergency Plan JPM.
 5. Modified Form ES-301-1 to reflect changes to RO Equipment Control JPM.
- B. Control Room JPMs – made editorial changes to JPM documents based on NRC examiner comments.
- C. In-plant JPMs – made editorial changes to JPM documents based on NRC examiner comments.
- D. Simulator scenarios:
1. Scenario 1:
 - a. Changed the simulator initial condition (IC) setup to remove 1 of 2 Drywell chillers from service in order to raise the consequences of operator inaction for Event 2.
 - b. Modified/added expected operator actions for Events 3, 4, 5, 6 and 7.
 2. Scenario 2:
 - a. Modified critical task wording; reduced the number of critical tasks from 3 to 2.
 - b. Modified/added expected operator actions for Events 3 and 5.

- c. Modified (extended) the ramp time for Event 5.
3. Scenario 3:
 - a. Modified the setup conditions and reason for performing Event 1.
 - b. Modified/added expected operator actions for Events 3, 5, 6 and 7.
 4. Scenario 4:
 - a. This scenario is no longer designated as a “spare” since it will be used.
 - b. Modified critical task wording; reduced the number of critical tasks from 3 to 2.
 - c. Modified/added expected operator actions for Events 3, 4 and 5.
 5. Revised Forms ES-301-4, ES-301-5, and ES-301-6 to reflect the new scenario series and revised critical tasks.

E. Written Exam:

1. Rejected K/A's and replaced associated questions 67 and 68.
2. Incorporated editorial comments on 31 other questions based on NRC Lead Examiner comments.
3. Updated Forms ES-401-3 and ES-401-4 to include additional rejected K/A's.
4. Updated Form ES-401-6 to reflect shift in the number of memory versus C/A level questions (based on replacement of questions 67 and 68).