

To: Todd Fish, NRC Chief Examiner

From: Neil Patrou, Oyster Creek Exam Author

Subj: Revisions to Oyster Creek ILT 08-1 initial NRC Operating Exam

The following materials were revised/enhanced from NRC comments made during/following the on-site NRC preparation week on May 11-12, 2009. Any test item not listed, did not require any enhancements/revisions.

1) Administrative JPMs

- a) RO Admin JPM 1: Editorial enhancements made
- b) RO Admin JPM 2: Editorial enhancements made
- c) RO Admin JPM 3: Reclassified a step as non-critical
- d) SRO Admin JPM 2: Editorial enhancements made
- e) SRO Admin JPM 3: Editorial enhancements made
- f) SRO Admin JPM 4: Editorial enhancements made
- g) SRO Admin JPM 5: The draft JPM was replaced with another JPM

2) Simulator JPMs

- a) Sim JPM 1: Editorial enhancements made
- b) Sim JPM 2: Modified the task standard
- c) Sim JPM 3: The draft JPM was replaced with another JPM
- d) Sim JPM 4: Editorial enhancements made including modifying the task cue
- e) Sim JPM 5: Editorial enhancements made; The starting point for the JPM has been modified
- f) Sim JPM 6: Reclassified some steps as critical steps
- g) Sim JPM 7: Editorial enhancements made
- h) Sim JPM 8: Editorial enhancements made

3) Plant JPMs

- a) Plant JPM 1: Editorial enhancements made including modifying the task cue and reclassifying a step as a critical step

b) Plant JPM 2: Editorial enhancements made including adding a new critical step and clarification on another critical step

4) Simulator Scenarios

a) NRC Sim 1: Editorial enhancements made; Deleted a portion of Events 2 and 4;

b) NRC Sim 2: Editorial enhancements made; Changed the initial reactor power level; Deleted Event 5 (and renumbered); Added new malfunction in the final Event

c) NRC Sim 3: Editorial enhancements made; Deleted Event 8 and the related critical task

d) NRC Sim 4: Editorial enhancements made; Deleted malfunction in Event 5

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	F	2												N	S	
2	H	2												N	S	
3	F	2												M	S	
4	F	2												N	S	
5	H	3												N	E	Added ABN Reference
6	H	2												N	S	
7	F	2												N	S	
8	H	3												N	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).

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	Backward	Q=K/A	SRO Only			
9	H	2												N	S	
10	F	2												B	S	
11	H	2												B	S	
12	F	2												N	S	
13	H	3												B	S	
14	H	2												M	E	Rearranged stem conditions and information
15	H	2												M	S	Part (a) of K/A matched
16	H	2												N	S	Part (a) of K/A matched
17	F	2												N	S	
18	F	2										X		N	U	K/A mismatch. Replaced K/A
19	H	2												M	S	
20	H	3												N	S	
21	H	2												N	E	Added ABN Reference
22	H	2												N	S	
23	F	2												N	E	Changed choices to APRMs 1-4 and 5-8
24	H	3												N	S	
25	F	2												N	S	
26	H	2												N	E	Eliminated requirement for ABN entry
27	H	2												B	S	
28	F	2												M	S	

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			
29	H	2												N	S	
30	H	2												N	S	
31	H	2												N	S	
32	H	3										X		M	U	K/A M/M; replaced question
33	H	2												M	S	
34	H	2												M	S	
35	H	2												M	S	
36	F	2												M	S	
37	F	2												N	S	
38	F	2												N	S	
39	F	2												N	E	Eliminated reasons in Choices C and D
40	F	2												N	E	Added FSAR reference
41	H	2												N	S	
42	F	2												M	S	
43	H	2												N	S	
44	H	2												M	S	
45	F	2												N	S	
46	H	3												N	S	
47	F	2												N	S	

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			
48	H	2												B	S	

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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			
49	H	2	X											B	E	Eliminated info about SRO direction
50	F	2												M	S	
51	H	2												M	S	
52	F	2												N	S	
53	H	3	X											N	E	Eliminated info about dispatcher request
54	F	2												N	S	
55	H	2	X											N	E	Eliminated unneeded plant condition info in stem
56	H	2												N	S	
57	F	2												N	E	Added ABN reference
58	F	2	X											B	E	Eliminated plant condition info
59	H	2	X											B	E	Eliminated plant condition info
60	F	2	X											M	E	Eliminated plant condition info
61	F	2												N	S	
62	H	2												N	S	
63	H	2												N	S	
64	H	2												N	S	

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	Backward	Q=K/A	SRO Only			
65	F	2												B	S	
66	F	2							X					N	U	Minutia; Replaced Question
67	H	3												N	S	
68	F	2												N	S	Valid Q for OC because of site specific OE

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Form ES-401-9

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	Backward	Q=K/A	SRO Only			
69	H	2												N	S	
70	F	2										X		M	U	K/A M/M; Replaced Question
71	H	2				X								B	E	Replaced distractor D
72	F	2												N	S	
73	F	2							X					B	U	Minutia; Replaced Question
74	H	3												N	S	
75	F	2												N	S	
76	H	3											Y	N	S	
77	H	2											Y	M	S	
78	H	2											Y	N	S	At OC, only SROs are responsible for knowing TS bases
79	F	2											Y	N	S	
80	F	2											Y	N	S	
81	H	2											Y	N	S	

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				
82	H	2											Y	M	S	
83	H	3											Y	M	S	
84	H	2											Y	N	S	First part of K/A met (knowledge of tasks performed outside the CR)
85	H	2	X										Y	N	E	Eliminated US direction to EO
86	F	2											Y	N	S	Part (b) of K/A met due to applying TS to control plant configuration
87	H	2										X	Y	N	U	Part (b) of K/A M/M. Replaced NRC notification column
88	H	3											Y	N	S	

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Form ES-401-9

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				
89	H	2											Y	N	S	
90	H	2											Y	N	S	
91	H	2											Y	N	S	
92	F	2											Y	N	S	
93	H	2											Y	M	S	
94	F	2											Y	N	S	
95	F	2											Y	N	S	
96	H	2											Y	N	E	Added administrative procedure reference
97	F	3											Y	M	S	
98	F	2											N	B	U	Replaced Q



