

## **OPERATING EXAM COMMENTS**

- **SRO Admin, JPM use "SRO Shift Turnover" as a spare JPM.**
- **Revise SRO Admin JPM, "Shift Staffing Requirements" to determine which operators to call based on watchbill information provided.**
- **Revise SRO Admin JPM, " SRO Review and Approve a Radioactive Liquid Waste Release Permit" to add additional error.**
- **Revise RO JPM "RO Shift Turnover" initiating cue to make more focused as to what logs are to be reviewed.**
- **JPM, B.1.c, "A" EDG operability Test", all steps up to step #12 cue are completed - these are call out items anyway - little evaluation value.**
- **JPM, B.1.f, "Respond to RCP seal problems" revise initiating cue to make less leading eg respond to panel indications.**
- **General Comment - Scenario Guides need to be revised to provide all required actions scripted out.**
- **Sim Guide, ES02LI1, revise scenario to force applicant into once through cooling.**
- **Make guide #3 the spare.**
- **Revise guide #4 to add a malfunction that causes the computer displays PPC to lockup.**

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q K/A	SRO Only		
1B	F	2												E	Modified. Error on answ. Justification shows "A" as incorrect. (How was question Mod) <b>corrected jsutification</b>
2B	H	3												S	Bank
3B	H	3												S	New
4B	H	3												S	New
5B	H	3												S	New
6B	H	3												S	New
7R	H	3	X			X								U	Modified. Stem cue. "A" correct also. "C" not credible Remove RCS P/T Curve from the stem unnecessary cue. <b>Revised stem and 2 distractors.</b>
8B	F	2												S	Modified
9B	F	3												S	New
10R	H	3												S	Bank

## 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.
  - More than one distractor is not credible.
  - 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 the appropriate box if the sampled question does not match the approved K/A or an SRO-only question is not at the SRO level.
- Based on the reviewer's judgment, is the question as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- For any "U" ratings, at a minimum, explain how the Appendix B psychometric attributes are not being met.

[illegible]

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q K/A	SRO Only		
31B	H	3				X								U	New. Given small steady rise, how can rapid rise be credible "A&D"? <b><i>Revised distractor to avoid cuing</i></b>
32B	F	1-2				X								U	New distractors not plausible and LOD low not idscriminating <b><i>Replaced question and used same K/A</i></b>
33B	H	3												S	New
34B	H	3												S	Modified? This question not significantly modified per guidance in ES401 treat as a bank
35B	H	3												S	New
36B	F	3												S	Modified
37R	H	2												S	New
38B	H	4												S	Modified
39R	H	3												S	New
40B	F	2												S	Modified
41B	H	3												S	New
42R	H	3												S	New
43R	H	3												S	New
44R	F	2												S	Bank
45R	H	3												S	New
46B	H	3												S	Modified
47B	H	3												S	New
48R	H	3												S	New
49B	H	3												S	New
50R	F	2												S	Modified

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q/A K/A	SRO Only		
51R	H	3												S	New
52B	F	3												S	New
53B	H	3												E	New. <i>Change "a" to "c" in justification.</i>
54R	H	3												S	New
55B	F	3												S	Modified
56R	F	2												S	Modified
57R	F	2												S	New
58B	F	2												S	New
59B	F	2												S	New
60R	H	2												S	New
61B	F	2												E	New how are safety inj. Valve interlocks tested with this question - throttling a valve is not an interlock <i>Revised answer choice to fit K/A and balance choices to avoid cuing</i>
62R	H	3												E	New. <i>Minor revisions</i>
63B	H	3										X		U	Modified. No malfunction of the Pzr LCS. <i>Revised stem to add malfunction to match K/A</i>
64B	H	3												S	New
65B	F	2												S	New
66B	H	3												S	New
67R	F	2												S	New Elect supply question okay in limited number
68B	F	2										X		U	New How is this question testing containment purge system? <i>Replaced question same system different K/A</i>
69B	F	2												E	Bank. In justification, change "c" to "d" <i>Corrected Typo</i>
70B	H	3				X								U	New "A,B,C" distractors not plausible TDS, pH, and power lose to rad monitor <i>Replaced "A&amp;B" distractors</i>

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6.  U/E/S	7.  Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q/ K/A	SRO Only		
71B	F	2												S	Bank
72B	H	2												E	New How would the operator tell that condenser air in leakage/air removal flow doubled in the CR? If this can not be determined then how is this a valid question and not minutia? <b>Revised stem to make more operationally oriented.</b>
73B	F	2												S	New
74B	H	3												S	New
75B	H	3												S	Bank
76B	F	1-2				X								U	Bank "A&B" distractors not plausible also LOD low does not discriminate <b>Revised distractor</b>
77B	F	3												S	Modified
78B	F	1-2				X								U	New distractors not plausible also LOD low does not discriminate <b>Replaced question</b>
79B	F	2												S	New. Could "c" be correct? <b>Reverified not correct</b>
80B	H	3												S	Modified
81B	F	2												S	New
82R	F	2												S	New
83B	F	2												E	New revise one distractor to be similar to "D" correct answer stands out also edit stem <b>Revised "C" distractor</b>
84R	F	3		X										S	New
85B	F	3												S	New
86R	H	3												S	Bank
87R	H	3												S	New
88B	F	2												E	New. "Changing" should be "increasing" to fit the answer <b>Edit completed</b>
89B	H	3										X		U/E	New. K/A does not cover "ability" to obtain.... <b>Accepted as an approved deviation per recent guidance</b>

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q K/A	SRO Only		
90B	F	2							X					U	New This appears to be minutia. Is this required knowledge from memory <b>Replaced question using same K/A.</b>
91B	F	2												S	New
92B	H	2												S	New
93B	F	1-2												U	New LOD is low does not discriminate. This is get level not license specific <b>Replaced question using same K/A</b>
94B	H	2												S	New
95B	F	2												S	New
96B	F	3												S	New
97B	F	1-2												S	Bank
98B	F	1-2												S	Modified
99B	F	2										X		U	Bank the k/a tests knowledge of fire prot. Procedures. To answer this question all I need to remember is the titles of the procedures it doesn't really demonstrate any knowledge of the actual procedure. <b>Question replaced using same K/A.</b>
100B	H	3												S	Bank
	SRO ONLY														
7S	H	2												S	New
10S	F	3										X		U	New. Ability to determine not covered. Stem revised "What is the bases discussed in TS bases..." <b>Question revised to match K/A</b>
15S	H	3												S	New
16S	H	3												S	New
17S	H	3												E?	New Is it necessary to tell them in the stem what reference to use? <b>Removed procedural reference from stem</b>
21S	H	3												S	Bank
37S	H	1 - 2		X								X		U	New LOD=1 with reference provided For a TS question give them the situation and let them find the correct answer better tested in an admin JPM or scenario. <b>Revised stem and distractors</b>

[illegible]