Station comments on NRC developed examination.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6.	7.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
1															Distractor c. - change discharge to suction per revised ONI SPI-G-2 *agreed, change made.*
2															
3															Delete this question. Not required operator procedure knowledge. *Retained - operators should be able to determine answer based on system knowledge, not procedure knowledge.*
4															Details not required to be memorized. *Agree. Question significantly modified.*
5															

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
2. 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).
3. 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).
4. 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.
5. 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).
6. 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?
7. At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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6															
7															Requires knowledge beyond expected RO knowledge as written (Tech Specs deeper than entry conditions). *Agreed. Added "with recirculation pumps running" to distractors a & b, to move knowledge level to RO required.*
8															Add "with normal electrical lineup" at the end of the second sentence and add bus H-12 de-energizing. *Agreed. this ensures only one correct answer based on some assumptions the applicant would have to make to arrive at an answer.*
9															
10															
11															
12															Change Operating Condition to "Mode" - station preference. Change distractor c. It could be interpreted as correct, not required knowledge. *Changed to Mode. Disagree - operators should know setpoints for major items (high reactor pressure) and is not correct as the question is written.*
13															
14															
15															
16															Change Group 1 to MSIV - station preference. *Agreed - changed.*
17															As written, b. and d. are conceivably correct. Reword to ensure only one correct answer. *Agreed. reworded to ensure only one correct answer.*
18															As written, d. is also correct. procedural guidance is found in ONI C71-1. *Modified distractor.*
19															
20															Question as asked is not valid. ONI P54 requires P54-F340 to open, replace/rework the question. *Agreed. Question replaced.*
21															

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22															
23															In distractors c. and d. replace the phrase “bank limits” with the phrase, “rod pattern restraints. *Agreed. Made Perry specific change.*
24															
25															
26															Re-label the last b. distractor to d. *Agreed. Re-labeled.*
27															Add “in containment” behind 6% for clarity. *Added.*
28															System shows up frequently, replace with a different question. System does not have an RHR Hx discharge valve. *Question will be modified to correct the discharge valve, question retained - maintaining skyscraper.*
29															
30															Delete question. Not required knowledge. *Disagree. Operators need to know approximate values of loads for starting under emergency conditions. Reworked question to test approximate effects of loads.*
31															
32															
33															
34															
35															
36															
37															
38															Distractors b. and c. are both correct. Change question to make one incorrect. *Agreed. changed 30/125 to 15/125 to make distractor c. incorrect.*
39															

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40															Answer b. is the correct answer. Rod block at 12%. *Agreed. Changed correct answer to b.*
41															
42															
43															Change “containment” to “drywell” E51-F063 should be open, and NS4 does send some signals to these valves, but not under these conditions. *Agreed. Changed to drywell, added “under these conditions” to distractor 4 to make it correct.*
44															Change OFF to CLOSE - station preference. *Done.*
45															
46															
47															
48															
49															
50															
51															
52															
53															
54															
55															
56															
57															
58															Distractor d. is the correct answer. *Agreed. Changed correct answer to d.*
59															

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60															
61															
62															
63															
64															
65															Distractors a. and b. are both correct. Perry station will not load fuel unless all control rods are inserted. *Agreed. Reworked question.*
66															
67															There are three correct answers (a., b., and c.). Distractors b. and c. are correct (inoperable) because a. is inoperable. Add “and placed in a secured status at the end of the stem. *Agreed. Added the requested material.*
68															
69															Recommend removal/replacement of the question. The material is correct, however, not very relevant to the operator’s job. *Agreed. Replaced the question.*
70															
71															
72															
73															PEI is Plant Emergency Instructions, not Perry Emer... *Agreed. Made applicable PEI replacement.*
74															
75															Change wording in distractor c. to conform with station wording of event. *Agreed. Minor modifications made to distractor c.*
76															
77															Spell out RSP. *Agreed. Remote Shutdown Panel inserted.*

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78															The question is vague and could have several answers depending on what is most urgent in the mind of the SRO. Replace the question. *Agreed. Question replaced.*
79															
80															The STA is the Shift Engineer. *Agreed. Made change.*
81															
82															Replace this question. Procedures allow a., c., and d. for correct answers. *Agreed. Replaced question.*
83															
84															
85															
86															Change the word “operational” in distractors c. and d. to “available.” *Agreed. Made change.*
87															Question is beyond memory. Several references needed to arrive at the correct answer. Replace question. *Agreed. Question replaced.*
88															There are three correct answers to this question. If c. is correct, then so are a. and b. since they are subsets of c. Rework the question to eliminate additional correct answers. *Agreed. Question reworked.*
89															Question needs to be replaced. Answer (2) is not required to be memorized material. *Left question as is. Part 2 is required to meet the K/A, and if not memorized, application of system knowledge will allow the applicant to arrive at the correct answer.*
90															The answer to this question is dependent upon the skill of the applicant and personal opinion. The answer is not completely based on procedures. Replace question. *Agreed. Reworked question so it is required knowledge based on procedural compliance.*
91															Question allows some speculation and assumptions by the applicant. Rework the question to assure only one correct answer. *Agreed. Reworked question to ensure one and only one correct answer.*

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92															Replace question. ARI supplemental actions are not required to be memorized. *Question left as is. Using system knowledge and analyzing the plant conditions, there is only one correct answer. Memory of ARIs is not required to arrive at the correct answer.*
93															Correct spelling of suppl in distractor d. *Agreed. Supply corrected.*
94															Change operator ATC to “Supervising Operator.” Change Shift Manager’s Office to other locations, the Shift Manager’s Office is in the back of the control room. *Agreed. Made recommended changes.*
95															
96															
97															
98															
99															Not a memory question. Replace. *Agree, not a memory question. Fair question if allowed to use references. We will provide references to the applicants.*
100															