

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										X		B	U	References do not support the key answer. K/A mismatch. Replaced the question.
2	F	2												B	E	Distractors have low plausibility. Modified the question.
3	F	3				X								B	U	Choices A and C (2 nd parts) not sufficiently discriminating. Changed condition in stem.
4	F	3							X					B	U	Overlap with another portion of exam. Limited operational validity. Reselected K/A and replaced question with bank question.
5	H	1		X										N	U	Can be answered without plant-specific knowledge, solely through application of generic fundamentals principles. Rewrote the question.
6	H	3												B	E	The 2 nd part of Choice B is not distracting. Reworded 2 nd parts of choices.
7	H	3	X				X							N	U	Multiple correct answers. Rewrote the stem to support a single correct answer.
8	H	3				X								B	E	KA match not obvious. Choice C is implausible. Explained K/A match on justification sheet. This question topic is appropriate for an RO because it tests general understanding of the procedure mitigation strategy. Rewrote the question.
9	H	3		X									X	N	E	Consulting with TSC is an SRO function and therefore inappropriate to test basis for the consult on the RO exam. However, knowledge of instrument post-accident response is expected RO knowledge. Reference to temp/pressure effects on d/p cell cues Part 1. Rewrote stem.
10	H	3												B	E	Unnecessary "group 1" in stem. Choice D is a correct statement. Removed unnecessary information from stem and added "IAW [the procedure name]" to the question.

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			
11	F	3			X		X					X		B	U	Psychometric flaw. Collection of T/F statements. K/A mismatch. Two (or more) correct answers. Reselected KA and replaced with a bank question.
12	F	2												B	E	Choices A and D have low plausibility. Reworded question and replaced two distracters.
13	H	3										X		B	U	K/A mismatch. Selected a different bank question.
14	F	2				X								B	U	A/B/D are implausible given lack of specificity of stem and absolute nature ("All") of choices. Rewrote the question.
15	H	3				X							X	N	U	Multiple implausible distracters. K/A mismatch. Reselected the K/A and wrote a new question.
16	H	3												B	E	Added "and why" to the stem to align with both parts of each choice.
17	H	3												N	S	
18	F	2												N	E	Unnecessary stem wording. The 2 nd parts of Choices A and D do not relate to the question asked in the stem. Need to move the common information into the stem. Reworded stem and choices.
19	H	3				X								N	U	Choices B and D implausible. Rewrote the question and choices.
20	H	3												M	E	Need a procedure reference in the stem. Stem has leading information. Need additional information in justification. Minor modifications made to address comments.
21	H	3												B	E	The choices are two-part but the stem question only asks for the first part. Modified question to ask for both parts.

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			
22	F	1				X								B	U	Question reduces to just 2 credible choices because of the reference provided for Q#31. Distinguishing between the choices becomes a direct lookup with the reference. LOD is too low. LOD is too low. Topic is SRO level. Reselected K/A. Replaced with a bank question.
23	H	3				X								N	U	Choices A and B have low plausibility. Choices B and D are implausible. The stem is leading. Rewrote the question. New question matches most important part of the two-part KA.
24	H	2				X								N	U	Implausible Distracter Choices C and D. Wrote a new question.
25	H	2												B	E	Distracter Choice A implausible. Choice A justification incorrect. Choice C needs clarification. Choice D is not clear as to which train. Modified stem, choices and justifications to address comments.
26	F	3												N	E	Second part of the choices not clearly linked in stem to the first part. Stem wording slightly modified.
27	F	3												N	E	Somewhat confusing justification for one of the distracters. Clarified justification.
28	H	3												N	E	Not very operationally oriented, but meets the K/A. Choices A and B have low plausibility. Question reworded to enhance distracter plausibility.
29	H	3												B	E	Psychometric flaw in exclusivity of choices. Corrected flaw with use of "only" in the choices.
30	F	3				X								B	U	Multiple implausible distracters. Reworded answer choices. Question matches KA as the referenced procedure is effectively the EOP for this event at this station.
31	H	3											X	N	U	Not a RO level question. Reselected the K/A. Wrote a new question.

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			
32	H	2												B	S	
33	F	3										X		M	U	K/A mismatch. Questionable operational validity. Replaced question with a modified bank question.
34	F	1												B	U	Question is not discriminating. Wrote a new question to the same KA.
35	H	3												B	E	Move repetitive information to stem. Choice B answer non-specific. Choices C and D are "should" (optional) actions. Choices C and D are not independent from Choice A. Reworded choices.
36	H	3												N	E	Provide noun name for numbered component in stem. Added noun name.
37	F	3												M	E	Typo in stem. Choices C and D say essentially the same thing. Modified stem and choices to address the comments.
38	H	3												N	E	Only testing GFE knowledge, already tested on GFE. Need to adjust question to test this KA in conjunction with some site-specific system or procedure knowledge. Modified question to require application of site-specific knowledge.
39	F	1				X								B	U	LOD too low. Distracters not plausible because correct answer so obvious. Changed the correct answer.
40	F	2												N	S	Labeled as comprehension level, but question is actually memory level. Re-categorize as memory level. Recategorized as memory level.
41	H	3					X							B	U	Distracter validity questionable given no time frame. Stem very leading. Arguments can be made for two correct answers (B or D). Modified question and choices to establish validity and ensure distracters are incorrect.

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			
42	H	3				X	X							N	U	B is a subset of D. Choice C is another potentially correct answer. Could Choice A also be a correct answer? Modified question.
43	F	2				X	X							N	U	This question is only testing fundamentals concepts, already tested on the GFE. It doesn't test site-specific system knowledge. Choice C is a possible 2 nd correct answer. Choice D could be argued as a wrong answer. Modified question to require site-specific system knowledge to answer. Fixed distracters.
44	F	3				X						X		B	U	K/A mismatch. Choices A and C are implausible. Reselected K/A. Replaced with a bank question.
45	H	3										X		B	U	Question doesn't test the KA. Choice A is a subset of Choice D. Replaced with a different bank question that matches the K/A.
46	H	3												N	E	Choice C doesn't answer the question asked in the stem. Choice B is not plausible for one of the directions in which the instrument could fail. Stem should state the instrument failed high. Modified question choices.
47	H	3										X		B	U	K/A mismatch. Question modified to match K/A.
48	H	2				X						X		N	U	K/A mismatch. Choices C and D are implausible. Choices B and D are not distracting. Wrote a new question.
49	F	3												M	U	Choices A and C have low plausibility. Re-categorize this question as memory-level, not comprehension/analysis-level. Reselected K/A. Replaced with a modified bank question.
50	F	3												B	S	Appears to relate more to SRO job responsibilities. However, the question exactly matches this relatively high RO importance rated K/A and tests EOP knowledge expected of an RO.

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			
51	F	3												N	E	3-part answers not good, reduces discriminatory value as too many ways to eliminate wrong answers. Take off the "where" portion of the question and choices. Adjust justifications accordingly. Changes made as indicated.
52	F	3												B	S	
53	H	3												N	E	The "(1)" and the "(2)" in the choices is confusing. Reformat to have them as column headings above all the choices, then space the parts of each choice under the appropriate heading number using tabs. Part 2 wording is confusing. Confusing stem wording. Modified stem and choice wording for clarity.
54	F	3												B	E	Need additional info in stem to support distractor plausibility. Adjust wording of Choice D to make same length as other choices. Modified as indicated.
55	H	3												N	U	Choices A and B implausible. Rewrote the question.
56	H	3												N	S	Minor justification typo.
57	H	2												B	E	Choice D is a subset of Choice A. Recommend modification to improve level of difficulty. Revised question.
58	H	3										X		B	U	K/A mismatch. Modified the question.
59	H	3												N	E	Too similar to Q#41. Reselected K/A and wrote a new question.
60	F	3												B	E	Choice A implausible. Added to stem. Reworded Choice A.
61	H	3				X								M	U	Choice A has low discriminatory value. Choice B implausible. Choice D implausible. Modified question.

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			
62	H	3												B	E	Selection of EOP transitions more of a SRO responsibility. However, the question matches high RO importance KA. Please document why the facility thinks this question is testing RO level knowledge. Choice A is implausible. Choice D is the obvious choice, making this a question with low discriminatory value. Modified question and justifications to address comments.
63	F	3												M	E	Some overlap with Q#61 and poor basis for licensing decision. Per Chief Examiner direction, reselected K/A. Replaced with modified bank question.
64	F	3												M	E	Choices B and D have low plausibility. Revised distractors to improve plausibility
65	M	3												N	E	Stem wording lacks focus and missing alignment information to support choices. Made changes to stem and choices.
66	F	3												B	E	Reword Choice A to better align with formatting in C and D as follows: "Manually operate SI pumps as necessary if in a yellow, orange or red path FR."
67	H	3												N	U	Potential for stem confusion. The key answer may not be correct in all cases. Could not fix problems. Replaced with new question.
68	F	3												B	E	Modify wording of distractor choice to enhance plausibility. Modified as indicated.
69	F					?	X							N	U	Part 1 of Choices A and B are implausible. Choice C doesn't appear to be incorrect, just incomplete. Revised question to address comments.
70	F	3												B	E	Minor revision to stem, choices to clarify question and improve symmetry.
71	F	3												B	E	Minor modification to stem and one distractor choice to ensure distractor is wrong in all cases.

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			
72	F	3												B	E	Is wording of Choice A the correct reason per the basis document? Is it more correct to say, "core uncovering may occur due to insufficient SI flow"? Choice B has low plausibility, given reactor is shutdown and primary safeties designed to maintain RCS <110% of design pressure (TS SL for pressure) on full turbine load reject. Reword distracter.
73	H	1												N	U	Too low LOD. GFE level. Rewrote question.
74	F	3												N	E	Modify question and choices to ensure distractors more plausible. Modified as indicated.
75	F	3												N	S	
76	H	3											X	N	U	Not SRO-only. Possible to eliminate all distractor through application of RO system knowledge only. Reselected K/A.. Wrote a new question.
77	H	3											X	N	U	Not SRO-only. Can be answered with RO knowledge only. Reselected K/A. Wrote a new question.
78	H	1				X								N	U	Choices C and D implausible and overall question LOD too low. This question is testing recall knowledge only, no analysis required. Re-categorize as memory-level. Wrote a new question.
79	F	1			X									N	U	Virtually a collection of T/F statements. Two distractor choices are not credible, given options in the other two choices. This question is testing recall knowledge only, no analysis required. Re-categorize as memory-level. Low LOD. Question wording doesn't preclude a distractor choice as an arguably 2 nd correct answer. A choice is a subset of the key answer. Rewrote the question.

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			
80	H	3												M	E	<p>Question is two-part whereas the choices are three-part. Doesn't look like the middle part is needed. Reword choices to align with question:</p> <p>A. Proc #1 – Mode X B. Proc #1 – Mode Y C. Proc #2 – Mode X D. Proc #2 – Mode Y</p> <p>Modify formatting to improve readability. Use the "(1), (2)" format to break the question and the choices into distinct parts. Put the two parts on separate lines for each choice.</p> <p>Recommend modify stem to have question align with desired answer. Modified as indicated.</p>
81	H	3											X	B	U	<p>Not SRO-only. Not tied to 55.43. Rewrote the question.</p>
82	H	3												N	E	<p>This question is a direct lookup with handout. Handout will not be provided.</p>
83	H	3											X	N	E	<p>Not clear that selection of correct answer indicates a selection of mitigation procedure as expected for a question tied to 10CFR55.43.b (5). Modified choices to ensure answer choice demonstrates selection of a procedure.</p>
84	F	3												N	E	<p>First part of question appears to provide a poor basis on which to make a licensing decision. As written, question is memory-level, no analysis required. In general, common information in each answer choice should be re-located to the stem to minimize word count and improve ease of reading / interpreting the question and answers. Second part of two of the choices has low plausibility. Modified stem and choices to address comments.</p>
85	H	1												N	E	<p>Question too easy. One choice not plausible. Modified stem and choices to address comments.</p>

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			
86	H	3											X	M	U	Not SRO-only. Can be answered with RO system knowledge only. No procedure selection required. Wrote a new question.
87	H	3												B	E	Choice A is implausible. Rewrote Choice A.
88	H	3												N	S	
89	F	3												N	E	Memory-level question. Re-categorize as memory-level. Question re-categorized as memory level.
90	H													N	S	
91	H	2				X						X		N	U	K/A mismatch. Choices A and B implausible. The correct choice is the obvious choice. The "assessment of conditions" part of this question is not readily apparent in the choices given. Either document, on the question worksheet, the conditions being assessed and the need for assessment in order to select the correct procedure or else re-structure question to more directly test assessment of conditions. Rewrote question to address concerns.
92	F	3												N	E	Minor rewording to address structural flaw.
93	H	3												M	E	Needs minor adjustment to stem to ensure requires SRO-only level knowledge of procedure to answer. Stem adjusted to ensure SRO-only.
94	H	3												N	E	Minor choice rewording to improve symmetry and ensure correct answer is correct.
95	H	2												M	U	The distractor choices are implausible, and the key answer stands out as an obvious correct answer. None of the distractors are supported by normal operations or the stem conditions. Revised question to address concerns.
96	H	3												N	E	Appears question is tied to wrong item under 55.43 b. Correct answer may not be entirely correct. Modified question to address comments.

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			
97	F	3										X		M	U	K/A mismatch. Question tests the generic K/A selected, but not in the context of the associated system. Replaced with a modified bank question.
98	H	3				X	X							N	U	A distractor choice is a possible 2 nd correct answer. Two of the distracters are not discriminating. Modified question and choices to ensure distracters are wrong and plausible.
99	H	3												M	E	Minor modification to distracters to enhance plausibility.
100	H	3										X	X	N	U	Not SRO-only. Can be answered with RO system knowledge. Rewrote the question.