

Q	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. Source (B/M/N)	7. Status (U/E/S)	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist	Partial	Job-Link	Minutia	#/Units	Backward	Q – K/A	SRO Only			
1	H	2.0				X								N	U	Actuating SI is not plausible given the information in the stem, see distractors C & D. Corrected, licensee revised c & d distractors.
2	H	2.0												B	S	Had been changed due to early review.
3	H	2.5												N	S	
4	H	3.0												B	S	
5	F	3.0												B	S	Format, don't like 261A ----. Corrected, licensee entered 261A into answer & distractors.
6	H	3.5												N	S	One of the questions we reviewed earlier.
7	F	3.0												N	S	Typo – distractor d – “with <u>in</u> ” - Corrected.
8	H	3.5												M	S	

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 a 1 (easy) to 5 (difficult); questions with a difficulty between 2 and 4 are acceptable.
- Check the appropriate box if a psychometric flaw is identified:
 - “Stem Focus”: The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - “Cues”: The stem or distractors contain cues (e.g., clues, specific determiners, phrasing, length).
 - “T/F”: The answer choices are a collection of unrelated true/false statements.
 - “Cred. Dist.”: The distractors are not credible; single implausible distractors should be repaired, and more than one is unacceptable.
 - “Partial”: One or more distractors are partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by the stem).
- Check the appropriate box if a job content flaw is identified:
 - “Job Link”: 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).
 - “Minutia”: 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).
 - “#/Units”: The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - “Backward”: 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 K/As that are designated “SRO-only.” (K/A and license-level mismatches are unacceptable.)
- Enter question's source: (B)ank, (M)odified, or (N)ew. Verify that (M)odified questions meet the criteria of Form 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” status ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	F	2.5												M	S	
10	H	3.0												N	S	Typo – distractors c & d should be decreased <u>d</u> & increased <u>d</u> . Corrected.
11	H	3.0												M	S	
12	F	2.5												B	S	
13	H	3.5												N	S	
14	F	3.5												B	S	
15	H	3.0												N	S	Previously reviewed. Typo – b & d should say in <u>the</u> wrong position. Corrected.
16	F	3.0												N	S	
17	F	2.5												B	S	Had comments on original pre submitted question, it was replaced with this different question.
18	H	3.5												N	S	
19	H	4.0												N	S	
20	H	3.0												B	S	Really not a significantly modified question. Modified the wording in the answer choices, but stem is essentially same, only power level changed & insignificant to answer. Re-characterize as a bank question. No effect because they have greater than the required new questions. Changed to a bank question.
21	F	3.0												N	S	
22	F	3.5												N	S	
23	F	3.0												B	S	
24	F	3.0												B	S	Typo – distractor a, ...valves <u>have</u> Corrected.

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25	F	3.5												M	S	
26	F	3.0												B	S	Really not a significantly modified question. Minor change to stem and removed a second part of the choices, all insignificant to the answer. Re-characterize as a bank question. No effect because they have greater than the required new questions. Changed to a bank question
27	H	3.0												M	S	Ok, stem changed to test additional knowledge of VC temperature to pressure correlation.
28	F	2.5												N	S	
29	H	2.0												N	S	
30	H	2.0												B	E	Readability? Could be two correct answers? Corrected, licensee changed distractor d value.
31	H	3.0												N	S	Typo in stem: describes <u>the</u> actions. Corrected.
32	H	2.0												B	S	Typo, change to Unit <u>3</u> . Corrected.
33	H	3.0					X					X		N	U	Possibly two correct answers, both a & b. Also, the selected answer may not be technically correct as written. Step 11 of ES-1.1 states that if temp < 540F, any rod (1) not inserted will require emergency boration therefore making a distractor correct. The answer b is only correct if it states; "for two stuck rods" instead of as written for "one". This is an example of a which is the most correct answer type question which is not allowed per NUREG guidance. Also, possibly K/A mismatch due to changing pumps not considered ECCS at IP3. Corrected, Licensee replaced question.
34	F	3.0												N	S	
35	F	3.0												B	S	
36	F	2.5												M	S	Ok, modified to ask what actions can be taken to restore pressure and included those actions in choices.
37	H	3.0												B	S	Distractor explanations are not all correct, modify accordingly. Licensee updated.

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38	H	3.5												N	S	
39	H	4.0												N	S	Last bullet in stem, should it say "depressed" Corrected,
40	F	3.0												B	S	Add upon receipt of a "containment high pressure" Safety Injection actuation. Corrected.
41	H	3.0												M	S	
42	H					X								B	U	Didn't like first distractor, was correct except for placing pump in "AUTO" after stopping, a poor distractor, possible two correct answers. Corrected. Licensee revised stem and all choices, updated question and choices make sense.
43	H	3.0				X								B	E	Stem should state the cooldown is < 100°F/hr. Plausibility of distractors a & c? Corrected to state it was a bank question. Updated stem to state < 100°F/hr and added bullet for switchyard malfunction that candidates may believe results in a loss of offsite power. This makes loss of circ water pumps and closing MSIVs plausible.
44	H	3.0												B	S	Really not a significant modification. Stem is essentially the same except power level, no impact on answer. Some changes to the choices, but not significant. Re-characterize as a bank question. No effect because they have greater than the required new questions. Changed to a bank question
45	H	3.0												N	S	
46	H	3.0												M	S	
47	H	3.5												N	S	
48	F	3.5												M	S	
49	H	3.5												N	S	Pull last bullet out into question. Corrected.
50	F	3.0												B	S	
51	F	3.0												B	S	

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52	F	2.5												N	S	
53	H	2.5												N	S	
54	H	3.0												N	S	Typo - Space needed between "forPCV-1234" in stem. Corrected.
55	F	2.5												N	S	Typo- ">" after isolation in stem? Corrected.
56	H	3.0	X											N	E	Possible confusing stem – separately & simultaneously? Licensee replaced with a new question. Went from bank to new.
57	F	2.5												N	E	Awkward wording in stem. Corrected, added "which of the following" to question.
58	H	3.0												M	S	
59	H	4.5	X											B	E	Change stem to read: "while determining if a HHSI pump should be stopped". Make the RCP in stem, specifically 34. Change can to should in second bullet of step. – Corrected. Provide Table ECA-3.1 as a reference.
60	H	3.5												N	S	
61	F	2.5												B	S	
62	F	3.0	X											B	E	Add question to stem. Add "Which of the following is true?" Corrected.
63	F	3.0												N	S	
64	F	2.5												N	S	Licensee changed stem to say the event on Unit 2 resulted in a significant release.
65	H	2.5												B	S	
66	F	2.5												B	S	
67	F	2.5				X								N	E	4 hours a better distractor since it is used in the procedure if you are not in reduced inventory. Licensee corrected by making choices c & d 4 hrs vs 60 min.

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68	F	2.0												B	S	Negative question, but <u>prevent</u> is underlined, should be bolded as well? Used on prior NRC exam. Licensee corrected by bolding "prevent" as well.
69	F	2.5	X											N	E	Add, IAW Shutdown Risk Assessment, IP-SMM-OU-104. Corrected.
70	F	3.0					X							B	U	Is distractor A correct also? Could a special log be used? Procedure says, "alternate monitoring methods ... special log"? Question was revised by licensee.
71	F	2.0												B	S	
72	F	3.0												M	E	K/A description needs to say " <u>procedures</u> " not "principles". Update the justification page to say step 2.23.1, not 2.22. Licensee corrected.
73	H	3.5												B	S	
74	F	3.5												N	E	Distractor d justification needs to be corrected, doesn't make sense, emergency not normal? ON / OFF use in the possible answers seems confusing, could be worded better? Licensee replaced the question – Sat.
75	F	2.0												N	S	Typo – change identified to identifies. Corrected.
76	H	2.5												N	S	Previously reviewed and suggested changes made by adding possible AOP procedures. Originally asked them to use an incorrect AOP for distractors c & d, but the ARP is a better distractor.
77	F	2.5												N	S	Previously reviewed and suggested changes made by adding possible AOP procedures. Replaced question. Choice C is a subset of answer D. Ok if " <u>only</u> " is added to choices A & C. i.e. Trip 34 RCP <u>only</u> . Corrected.
78	H	4.0												N	S	Previously reviewed. Modified bullets 4 & 5 based on validation.
79	F	3.0												N	S	Previously reviewed, typos corrected.
80	H	3.0												N	E	Previously reviewed, enhancements made to language and "AOP-LOAD-1" added to all possible answers. Minor typos on choices a & b – space needed between Decrease and Power. Corrected.
81	F	3.0		X										N	E	Previously reviewed, suggested language changes and the removal of a cue from the stem. Need to remove the words; "causing 856H to not have power". Corrected.

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82	H	3.0												N	E	Previously reviewed a different question for this K/A and rejected it for being a weak K/A match and having potentially two correct answers. They replaced question and with NRC approval changed the K/A. New question needs grammar corrected in third bullet of stem; the team is implementing AOP... - Corrected..
83	H	2.0												N	E	Previously reviewed and suggested language changes. Typo still exists in the stem (inHg). Corrected.
84	H	3.5		X										N	U	Previously reviewed, suggested language changes in stem – Need to remove the words “to put the SI system in the proper condition” - Licensee corrected.
85	H	2.5												N	E	Change initial condition in stem to < 350°F. Also change / reword the last sentence in stem to be a question. Licensee corrected, changed temperature to 340°F and reworded into question.
86	H	3.5												N	S	Need space between the bullets and the question. Corrected.
87	H	3.5												N	S	
88	H	3.0											X	N	U	Not an SRO Only level question. Suggested a re-write with Technical Specification decisions required (below the line). Corrected - Licensee updated question to include Tech Spec decision. Need to fix justification page, dropped answer.
89	H	3.5												N	E	Choices a & b need to say due <u>to</u> insufficient – corrected.
90	H	3.5												N	S	
91	H	3.5												N	E	Replaced question and with NRC approval changed the K/A.
92	H	3.5												N	S	Corrected typo in choice A, updated choice D based on validation.
93	H	2.5												B	S	
94	F	2.0												N	E	Delete the first “ONLY” in choice c. – Corrected.
95	F	2.0												B	S	
96	F	3.0	X				X							N	E	Change first sentence in stem to state; “A worker is signed on <u>as</u> a Work Order Holder on a tagout.” Second sentence in

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																stem, change "wants" to " needs ". Third sentence in stem should state: "Tagout Holder informs Operations ... Procedure says SM or designee, could make another correct answer (2 nd)? Change distractors a & b from FSS to the Operations Manager. Licensee corrected.
97	H	3.5												B	S	
98	H	2.0											X	B	U	This is not an SRO Only level question. RO knowledge only, possibly just GET. Licensee replaced question – SAT.
99	F	3.5												N	E	Typo, "if this is allowed or not allowed and why this is allowed."
100	F	1.0												B	U	LOD 1.0. Need to go deeper into PAR requirements. Question replaced with a bank question. Ok, previously used at Watts Bar.