questions reviewed in depth.

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.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only			Explanation
1																
2	H	5.0												N	U	Question asks for a step buried in the subsequent actions of a procedure. ***Replaced question.***
3	F	3.0							x					N	U	Question asks for trivial information from the station's accident analysis. ***Replaced question***
4	F	2.0							x					N	U	Question requires sequence memorization. ***Replaced question.***
5	F	2.0												M	S	
6	H	5.0												N	U	Question needs references to answer. ***Replaced question.***
7	F	2.0												M	U	Station identified they do not have emergency-only heaters. ***Replaced K/A, Question.***

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.   <u>Check questions that are sampled</u> for conformance with the approved K/A, and those that are *designated SRO-only* (K/A and license level mismatches are unacceptable).

6.   Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.

7.   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?

8.   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.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only			Explanation
8	2.0	N	x									x		N	U	Question does not ask how to interpret valve position indications. *Replaced question.*
9	2.0	H												M	S	
10	2.0	H												N	S	
11	2.0	H												B	E	Identified answer is incorrect. *Updated correct answer.*
12	2.5	F												B	E	Update material to current station nomenclature. *Updated procedure names.*
13	2.0	F												B	S	
14#	2.5	H												B	U	Same as Question #42. Selected new *K/A and question.*
15	2.0	F												N	S	
16#	2.0	F												N	S	
17	2.0	H												B	S	
18	2.0	F												B	E	Update correct answer. *Updated correct answer.*
19#	2.0	H												M	S	
20	2.0	H												M	S	
21	2.0	H												B	S	
22#	2.0	F												M	S	
23	2.0	F												B	S	
24	2.0	F												N	S	
25#	2.5	F							x					M	U	Requires memorization of details that should be reviewed prior to a reactivity change. *Replaced question.*
26	2.0	H												B	E	Update correct answer to current procedures. *Updated correct answer.*
27	2.0	H												B	S	
28#	2.0	F												B	S	
29	2.0	H												N	E	Correct the answer key. Should be (c.). *Corrected answer key.*

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			
30	2.0	H												B	S	
31#	2.0	H							x					S	E	Delete the time-critical aspect of the question – not necessary, not part of the K/A. ***Removed the time critical portion of the question and answer.***
32	2.0	F												N	S	
33	2.5	H												B	S	
34#	2.0	H												B	S	
35	2.0	H												B	S	
36	2.0	F												B	S	
37#	2.0	H												N	S	
38	2.0	F												M	S	
39	2.5	H												N	S	
40#	2.0	H												B	S	
41	2.0	H												B	S	
42	2.0	H												B	S	Original question #14.
43#	2.0	H												B	S	
44	2.0	F												N	E	Correct answer. ***Corrected answer***
45	1.0	F							x					N	U	Question asks trivia. Replace Question ***Replaced question***
46#	2.0	H												B	S	
47	2.0	F										x		B	U	Q ≠ K/A. Replace Question. ***Replaced question***
48	2.0	H												B	S	
49#	2.5	H												B	S	
50	2.0	F												N	S	
51	2.0	F												N	S	
52#	2.5	H										x		B	U	Q ≠ K/A. Doesn't address second part of the K/A. Replace Question ***Replaced question***
53	2.0	F												B	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			
54	2.0	F												N	U	Ice Condenser Containment – slight differences. Re-work question. ***Reworked question***
55#	2.0	F										x		M	U	Q ≠ K/A. Replace Question ***Replaced question***
56	2.0	F												N	S	
57	2.0	F												M	S	
58#	2.0	H												M	S	
59	2.5	H												B	S	
60	2.0	H												B	S	
61#	2.5	H												B	S	
62	2.0	F							x					M	U	Doesn't distinguish between competent/less-than competent operator. Replace question ***Replaced question***
63	2.0	H												B	S	
64#	2.0	H												B	S	
65	2.0	H												N	E	Correct answer is (b.) – should be (a.) ***Corrected answer key***
66	2.0	F												N	S	
67	2.0	H												B	S	
68	2.0	H												B	E	Correct answer is (a.) – should be (b.) ***Corrected answer key***
69	2.5	F												N	S	
70	2.0	H												N	S	
71	2.0	F												N	S	
72	2.5	F												B	S	
73	2.0	F												M	S	
74	2.0	H												B	U	Question requires SRO knowledge to make a transition to another procedure. Replace question. ***Replaced question.***
75	2.0	F												N	S	
76#	2.5	H											x	B	S	
77	2.0	H											x	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			
78	2.0	F											x	N	S	
79#	2.0	H											x	M	E	Remove unnecessary material from stem. ***Removed fluff.***
80	2.5	H											x	M	S	
81	2.5	H											x	B	S	
82#	2.5	H											x	M	S	
83	2.0	H											x	N	S	
84	5.0	H											x	N	E	Station stated this tech spec call would be determined with the assistance of engineering and is beyond the normal control room technical specification calls. ***Replaced question.***
85#	5.0	F											x	N	E	Hydrostatic test referred to is an infrequent activity. Site engineering would participate in the application of the tech spec. ***Replaced question.***
86	2.0	H											x	N	S	
87	2.5	F											x	B	U	Question is RO level. This is a system question. ***Replaced question.***
88#	3.0	F											x	N	E	Rework question to conform with Palisades language. ***Revised question.***
89	2.5	H											x	N	E	Some minor tweaks to the wording of the stem. ***Made revisions.***
90	2.0	H											x	B	S	
91#	2.5	H											x	N	S	Moved question to #99. Selected new K/A & Question for #91.
92	2.0	H											x	N	S	
93	2.5	H											x	N	S	
94#	2.0	F											x	B	S	
95	2.0	F											x	N	S	
96	2.5	H											x	B	E	Fix the answer and replace bad distractor. ***Added requirements to the answer, replaced one distractor.***
97	2.0	H											x	B	S	
98	2.0	F											x	B	S	
99	2.5	H											x	B	E	***Question was replaced by Q#91 – better question for determining operator ability.***

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			
100	2.0	F											x	N	U	Not required from memory – direct lookup if reference is provided. ***Replaced question***