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	F	2										Y		N	S	
2	F	2										Y		N	S	
3	H	3										Y		M	S	
4	F	2										Y		N	E	Editorial fix to C, capitalization and extra space
5	F	2										Y		B	S	
6	H	2										Y		N	S	
7	F	3										Y		B	E	Editorial, added "the correct" to stem
8	F	3										Y		N	S	

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 a 1 (easy) to 5 (difficult); questions with a difficulty between 2 and 4 are acceptable.
3. 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).
4. 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.
5. 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.)
6. 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.
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" status 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. 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			
9	H	3										Y		B	E	Editorial, added "actual" to stem
10	H	2				X						Y		B	E	Reworded stem to make C plausible
11	F	2										Y		B	E	Editorial, reworded distracters to improve answer symmetry
12	F	3				X						Y		B	E	Editorial to move minimize to stem; improve plausibility of A
13	F	3										Y		N	E	Editorial, added "per OT-114" to stem
14	H	2										Y		N	E	Un-shade area on embedded graph, add F to temps in A&B change C&D temps to improve plausibility
15	F	2										N		B	U	K/A MM No link to SP level being low, variables are SP Temp and over-pressure, ==wrote new Q==
16	H	3										Y		N	S	
17	H	3										Y		N	S	
18	H	2										Y		M	S	2017
19	F	2										Y		B	S	
20	H	3										Y		N	S	
21	H	3										Y		N	E	Editorial, add "rise" to stem
22	H	3										Y		N	E	Editorial, change "occurs" to "initiates"
23	H	3										Y		B	S	Change D to "8" vs "16" to improve plausibility of D 2016

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			
24	F	3										Y		B	E	Editorial, change Recirc Loop rupture to SBLOCA
25	F	2										Y		N	S	
26	H	2										Y		B	E	Editorial to fix stem
27	F	2										Y		N	S	
28	H	3										Y		M	S	
29	H	3										Y		B	E	Editorial, move "5 minutes later" to beginning of stem
30	F	3										Y		B	E	Add "for a subsequent HPCI start" to the stem
31	H	2										Y		B	S	
32	F	3										Y		B	S	2016
33	H	2				X						Y		N	E	Reword justification for C
34	F	2										Y		B	S	
35	H	3										Y		B	E	Editorial, add RPS to the "A" side half scram in 3 spots 2016
36	H	3										Y		N	S	
37	H	3										Y		B	S	
38	H	2										Y		N	S	Cleanup justification for D
39	H	3										Y		N	S	Editorial, add plus sign to levels in stem
40	H	2										Y		B	S	

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			
41	F	2										Y		N	S	
42	H	2										Y		B	E	Add K/A justification statement
43	H	3										Y		B	S	
44	F	2										Y		B	E	<mark>Overlap with Q18, randomly drew new K/A for this system (4.01)</mark>
45	H	3										Y		B	S	
46	H	3										Y		B	S	2017
47	F	2										Y		B	S	
48	H	3										Y		B	S	2016
49	H	3										Y		B	S	
50	H	2										Y		B	S	
51	H	3										Y		N	E	Editorial, added "mechanical" to stem
52	F	3										Y		N	S	
53	H	2										Y		B	E	Editorial fixes to A, B and C
54	F	2										Y		B	E	Editorial, Feed pump Status is as follows, and delete "& jet pumps" from A and C 2017
55	H	2										Y		B	S	
56	H	3										Y		N	E	Add K/A justification

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			
57	H	3										Y		N	S	
58	H	2										Y		B	S	
59	F	3										Y		B	S	
60	H	3										Y		B	E	Pull up first bullet to front of stem
61	H	3										Y		B	E	Editorial, change " to inches
62	F	2				X						Y		N	U	Two non plausible distracters, cannot write good q for this k/a. Randomly drew new system (226001) and K/A (A2.11) for this Q
63	H	3										Y		N	S	
64	H	3										Y		N	S	
65	F	2										Y		B	S	
66	F	2										Y		B	E	Editorial, wrote new D
67	F	2										Y		M	S	
68	H	3										Y		N	E	Editorial, wrote new A distracter
69	F	3										Y		B	S	
70	F	2										Y		B	S	
71	H	3										Y		B	S	2016
72	F	2										Y		B	E	Editorial, fix fourth bullet

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			
73	H	2										Y		B	S	
74	F	2										Y		B	S	
75	F	3										Y		N	S	
76	H	3										Y	Y	B	S	2016
77	H	3										Y	Y	N	S	
78	H	2										Y	Y	N	E	Rework D to improve plausibility
79	H	3										Y	Y	N	E	Added K/A justification statement
80	F	2										Y	Y	B	E	Deleted "entry conditions …" from stem
81	H	3				X						Y	Y	M	E	Rewrote stem to improve plausibility of C
82	H	2										Y	Y	N	E	Corrected errors in C&D, added procedure titles to stem
83	H	2										Y	Y	N	S	
84	H	3										Y	Y	N	E	Modified provided reference to preclude direct look-up
85	H	2										N	Y	B	U	==K/A MM; Two correct answers==
86	H	3										Y	Y	M	S	
87	H	2										Y	Y	N	S	
88	H	2										Y	Y	N	E	Rewrote B and D to improve plausibility
89	H	3										Y	Y	N	E	Rewrote B and D to improve plausibility

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			
90	H	3										Y	Y	N	S	
91	H	3										Y	Y	N	S	
92	H	2										Y	Y	M	S	
93	H	3										Y	Y	B	S	2016
94	F	2										Y	Y	B	S	
95	H	2										Y	Y	B	S	
96	F	2				X						Y	Y	B	U	Distractors A & C not plausible, Rework or write new Q Selected new K/A, wrote new question
97	F	2										Y	Y	B	S	
98	H	2										Y	Y	B	E	Rewrote justification
99	F	2										Y	Y	B	S	
100	H	2										Y	Y	B	S	