

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	Backward	Q=K/A	SRO Only				
1	F	3											Y		N	S	
2	H	3											Y		N	S	
3	F	2											Y		N	S	
4	F	3											Y		N	S	
5	F	4											Y		N	S	
6	H	3											Y		N	S	
7	H	2											Y		N	S	
8	H	2											Y		N	S	

Instructions

[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 using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
- 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).
- 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.
- 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).
- Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of 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" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	H	3											Y		B	S	
10	F	3											Y		N	S	
11	H	3											Y		B	S	
12	H	4											Y		N	S	
13	F	2											Y		N	S	
14	H	2											Y		N	S	
15	H	3											Y		B	S	
16	H	3											Y		N	S	
17	H	4											Y		N	S	
18	H	3											Y		N	S	
19	H	4											Y		N	S	
20	H	4											Y		N	S	
21	F	4											Y		N	S	
22	F	3											Y		N	S	
23	H	4											Y		N	S	
24	H	3											Y		N	S	
25	H	3											Y		N	S	
26	F	2											Y		N	S	
27	F	3											Y		N	S	
28	H	3											Y		N	S	

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29	H	2										Y		N	S	
30	H	2										Y		N	S	
31	F	3										Y		N	S	
32	H	3										Y		N	S	
33	H	2										Y		N	S	
34	H	2										Y		N	S	
35	F	2										Y		N	S	
36	F	3										Y		N	S	
37	F	4										Y		N	S	
38	F	4										Y		N	S	
39	H	3										Y		N	S	
40	H	2						X	X			Y		N	U	Minutia; not operationally valid. Better for GFE. Replaced K/A and Q.
41	H	2										Y		B	S	
42	F	2										Y		N	S	
43	F	3										Y		N	S	
44	H	3										Y		N	S	
45	F	2										Y		B	S	
46	F	2										Y		B	S	
47	F	3										Y		B	S	
48	H	3										Y		N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
49	H	3										Y		B	S	
50	H	2										Y		B	S	
51	H	2										Y		B	S	
52	H	2										Y		B	S	
53	H	3										Y		N	S	
54	F	3										Y		B	S	
55	F	2										Y		N	S	
56	H	2										Y		N	S	
57	H	2										Y		N	S	
58	H	3										Y		B	S	
59	H	3										Y		B	S	
60	F	3										Y		N	S	
61	F	2										Y		N	S	
62	H	2										Y		N	S	
63	H	2				X						Y		B	U	A&B implausible, replaced K/A and Q.
64	F	2										Y		M	S	
65	F	3										Y		B	S	LOCA will put water into DW, which dumps to SP via downcomer
66	F	2										Y		N	S	
67	F	2										Y		N	S	
68	H	3										Y		B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only				
69	F	2											Y		N	S	
70	H	3											Y		B	S	
71	F	2											Y		M	S	
72	F	3											Y		B	S	
73	F	3											Y		N	S	
74	F	2											Y		N	S	
75	F	2											Y		N	S	
76	H	3											Y	Y	N	S	
77	H	3											Y	Y	N	S	
78	H	2											Y	Y	B	S	
79	H	2											Y	Y	N	S	
80	H	2											Y	Y	N	S	
81	H	3											Y	Y	B	S	
82	H	3											Y	Y	M	S	
83	H	2											Y	Y	B	S	
84	H	2											Y	Y	N	S	
85	F	2											Y	Y	B	S	
86	H	2											Y	Y	N	S	
87	H	2											Y	Y	N	S	
88	H	2											Y	Y	N	S	

Post-submittal changes to Nine Mile Point Unit 2 NRC exam

1. In-Plant JPMs

- P-1; changed step 4.0 from critical to Sat/Unsat
- P-2; minor formatting change
- P-3; added two cues for evaluator (information provided in initial conditions) and minor rewording of two other cues.

2. Simulator JPMs

- S-1; Added cue to time compress after step 17; step 11 changed to Sat/Unsat from NA, step 17 changed 3 valves from Pass/Fail to Sat/Unsat
- S-2; Added step to verify AOV101 open and one train GTS operable, changed step 8 to Sat/Unsat from Pass/Fail (verify), added two cues to indicate two dampers were closed, revised turnover sheet
- S-3; Added stopwatch as Tools/Equipment, added "SDC has been in service for >1 hour" in initial conditions and turnover sheet, added cue that another operator is monitoring RPV coolant temperatures in step 4, revised step 11 to indicate dual indication vs. green closed indication
- S-4; minor editorial changes, added cue and role play to step 3, Revised note in step 4, added annunciator to step 5, fixed typo in turnover sheet
- S-5; minor editorial and formatting changes, removed cue in step 2 (not required), revised turnover sheet to include "Fast loading not required"
- S-6; minor editorial and formatting changes, added cue to step 3 and revised cue in step 17, added Sat/Unsat to step 4, revised step 8 Pass/Fail and Sat/Unsat criteria (verify valve position)
- S-7; minor editorial and formatting changes, added two expected annunciators to instructor note after step 5, added Sat/Unsat to bullet in step 6
- S-8; minor editorial and formatting changes, added cue in step 13 (CCS pump not required, flow is normal)

3. Simulator Scenarios

- #1; minor editorial change, minor change to role play in event #5, added "place sync switch to on" in event #7
- #2; minor editorial and formatting changes
- #3; minor editorial and formatting changes, added examiner note regarding placing SPC in service on page 24

4. RO Admin JPMs

- COO1; corrected typos in standard, step #3, and terminating cue, added enhancement to initial conditions and initiating cue, corrected standard in step #5
- COO2; no changes
- EP; minor formatting changes
- EC; minor editorial and formatting changes, changed standard from shaft seal to pump packing, changed two Sat/Unsat criteria in step #4 to Pass/Fail (open and **uncapped**)
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5. SRO Admin JPMs

- COO1; added enhancement to initiating cue, revised step #3 TS references and included TS actions
- COO2; added enhancement to initiating cue
- EC; added procedure step in step #3
- EP; added enhancements to initial conditions, corrected typo in step #8
- EC; minor formatting change