

IP3

RO 401-9

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws					5. Other		6. U/E/S			
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q=K/A	SRO only	Site				
1	H	3												E	Kewaunee	mod	quantify the leak - 25 GPM in stem	
2	H	2												S	Prairie Isla	bank		
3	H	3				1								E	Seabrook	bank	C and D are subset distracters. D does not mention heat transfer or heat sink as do A-C.	
4	F	2												E	Salem	bank	distracter C is not plausible - revise - answer does not match reference	
5	H	2				1					1			U	Kewaunee	bank	Does not test controllers and positioners. C, D may be correct.	
6	F	2				3								E	DC Cook	bank	Distracters A, B and C are not very plausible	
7	H	1				2								E	Diablo Can	bank	Overly simplistic. Not sure how they sampled the K/A for this question. No distracters are plausible	
8	F	2												S		new	Reference material does not justify answer. Mode 4 LOCA - enter EOPs?	
9	H	1				3								E	Braidwood	bank	With containment pressure increasing, distracters A, B and D are not plausible	
	F	1				2								E	Point Beac	bank	A, C and D are not plausible distracters	
11	F	3		1										E	DC Cook	new	Enhance distracters - A, B and D - 31 is in A, B, D but not C (ans) - do all 3 components have to leak into the 32 header?	
12	F	2												S	DC Cook	bank		
13	H	2				3								E	Prairie Isla	bank	Modify stem per Brown	
14	F	2												E		new	Could D be correct? Why are B and C plausible?	
15	H	2				1/2								E	Braidwood	bank	A is not plausible. Why is D plausible? References required	
16	F	3										1		E	Diablo Can	bank	SRO question? C may be correct	
17	H	3				1	1							U?		new	A is not plausible. B is a partial answer for C. Not clear why C is incorrect? Answer not supported by references.	
18	H	2				1								E	Braidwood	bank	C not plausible - provide reference material	
19	H	2		1										E	Seabrook	bank	Consistently capitalize "decrease" in A and C.	
20	H	3												S	Prairie Isla	bank		
	H	3				2								E	DC Cook	bank	How are A and D plausible? Provide references.	
22	H	3	1											S	Diablo Can	bank	Should clarify the Rx power level in the stem	
23	H	3												S		new	Consider providing RCS pressure value - control of pressure requires high as well as low pressure control. Reference does not support answer	
24	F	3										1		U		new	Does not test reasons for EOP guidance	
25	F	2				1						1		U	Seabrook	bank	"A" is not plausible, KA mis-match - does not test failed fuel monitoring equipment	
	H	3					1					1		U	Prairie Isla	bank	"D" is also correct - no references provided - KA mismatch	
27	H	3	1							1				S	Robinson	bank	Stem does not ask for reason. Do you expect this level of knowledge from memory? Justify with LO	
	F	2				2								E	Braidwood	bank	A and D are not plausible? Check LO	
29	H	3								?				S	Harris	bank	references - need to see step 4.2.3. Testing subsequent actions from memory	
	F	2				1	2							E	Beaver Val	bank	A and B are not plausible	
31	H	1				2	1							E		new	A and B not plausible - may conflict with another question	
32	H	1		1			1							E	Turkey pol	bank	A and B not plausible - C could be correct (timing) - need references to document answer	
33	H	2												S	DC Cook	bank	simplistic - right answer is to trip the plant	
34	H	3												S	DC Cook	bank	no reference provide to support answer	
	H	1				3								E	Millstone	bank	simplistic - B, C and D not plausible - as temp increases - OTDT/OPDT stays the same?	
36	H	3												S		new	reference does not substantiate answer - bus 3A powered?	
37	H	3				2								E	Salem	bank	A and D not plausible - changes recommended	
38	F	3												S		new		
	H	1				2								E	Beaver Val	bank	A and B not plausible - RCS temp increases for open SDV? - clarify "partially open" - no references provided	
40	H	2												S		new	B and D not plausible. Are we sure that C is not correct? No references provided?	
41	H	2				1								E	Millstone	bank	A and C not plausible.	

42	H	1																S	Robinson	bank	B and C not plausible. Answer given away in question 43 - LOD 1
43	F	1	1															E	Ginna	bank	Filter douse valves not in CSS lineup. No time or sequence provided for C and D.
44	H	2				1												S		new	
45	H	3																S		new	need reference material to document answer
46	F	2				2												E		new	KA is incorrect - Question history used at Diablo Canyon - but considered new?
47	F	4						1				1						S		new	If a Zum strainer is like a travelling screen, the the K/A is < 2.5 BUT they cite a learning objective. Note there is a problem with the KA catalogue on system 076 K2s.
48	H	3																U		new	Would the reactor trip on loss of instrument air? Would this affect the answer? Charging flow increases if HCV-142 closes?
49	F	2																E		new	Simplistic but OK need references to validate
50	F	3																S		new	
51	F	2																E		new	Add the word "valve" to "C" - need references - IAW procedure?
52	F	2										1						U	Braidwood	bank	Does not match K/A - does not address impact on RCS - typo on MANUAL - need reference material
53	H	2	1															E	Byron	bank	If no rod motion is assumed, how does the reactor trip? - will SGWL shrink out and cause a Rx trip
54	F	3				2												U		new	No correct answer. A and D are not plausible, C may be correct (need more references) - add correct nomenclature for switch and add distracter for common alarm buzzer on/off toggle switch
55	H	2				3												E	Beaver Val	bank	Why are A, B and C plausible?
56	H	1				3												E	Braidwood	bank	A, B and D are not plausible? - provide reference material to support answer
57	H	3				2												E	Kewaunee	bank	Why are A and B plausible? Are asking for knowledge of DC power to MOVs?
58	H	3																S	Beaver Val	bank	
59	F	2																S	Palisades	bank	simplistic
60	F	2				1												E	Millstone	bank	Should B be enhanced? 1/2 way can be a an less-than descriptive thing. The suction piping extends only 6 ft into the pool - the fuel has at least 23 ft of water over the tops.
61	H	2																S	Seabrook	bank	simplistic - provide reference
62	H	2				1												E	Indian Poin	bank	Why is C plausible? How would inserting a control rod cause Tave to increase?
63	F	2				1												E	Braidwood	bank	B not plausible. B - how is removing air from door seals a plausible? D - you have "apply air to door seals" in 2 places D may be correct?
64	F	3																S	Robinson	bank	
65	F	2																S	Palisades	bank	provide references to justify answer
66	H	3																S	Davis Bess	bank	No correct answer. Reference indicates C is correct?
67	F	3																U	Millstone	mod	Is the aux boiler required to be operable? Does exclusion 5 apply?
68	H	3				1												E	Point Beac	bank	Distracter D not plausible - change to test hi temp isolation
69	F	1																E	Robinson	bank	Simplistic - no reference provided
70	H	3																S	Turkey poi	bank	no reference provide to support answer - 2 correct answers
71	H	3				1												U	Kewaunee	bank	A is also correct - B is probably not correct for the conditions specified - C is implausible and the reference provided does not support why D is wrong?
72	F	3	1															E	Summer	bank	simply stem
73	F	2				2												E	Kewaunee	bank	C is not plausible. You would never enter ES-0.1 directly. Replace B
74	F	3																U	Kewaunee	bank	Why is D not correct? 2 correct answers
75	F	3																S	Beaver Val	bank	

Total 75 2.3 5 3 0 31 5 0 3 0 0 6 1 75
F 32 42.7%
H 43 57.3%
100.0%

U
E
S
?

75
10 13.3%
38 50.7%
26 34.7%
1 1.3%

100.0%

Bank 72.0% Beaver Valley
New 25.3% Beaver Valley

75
54 bank
2 mod
19 new

SRO 4D1-9

[illegible]

Summary of Significant Operating Test Comments for IP 3

General comment for JPMs.

There were many steps that were designated as critical but were not. The licensee was instructed to make changes to indicate that these steps were not critical.

Admin JPMs

Two JPMs were identical on RO and SRO exam. Licensee was informed of the need to discriminate between license levels and therefore exam content between the RO and SRO need to be different.

One of the above mentioned JPMs had the applicants perform actions that were contained in a Functional Recovery Guideline. This is not appropriate material for the admin JPM section.

Shutdown margin calculation and review JPMs were removed from the test because there was no set procedure to use as a reference in determining the acceptance criteria for a SDM calculation. These JPMs were replaced by an overtime review JPM.

E-plan notification JPM for RO was replaced with a rad release JPM.

SRO classification JPM was modified to have applicant manually complete the notification form.

Simulator / Plant JPMs

JPM Sim-C was originally designated as an alternate path JPM but it was not. Changing it to a normal JPM did not impact overall quantitative criteria for this portion of the exam.

JPM Sim-E had an incorrect I.C. that needed to be re-snapped.

Simulator Scenarios

The "assignment" of malfunctions to some applicant positions was revised based upon validation to ensure each applicant met the minimum requirements.

Scenario 2 deleted a designated critical task because it was not a critical task.

After reviewing the four proposed scenarios, the chief examiner chose to use scenarios 4, 3, and 2 (with 1 as the back up) as opposed to the licensee's intention to use 1, 2, and 3 (with 4 as the back up).