Q#	1. LOK (F/H)			3. Psyc	homet	ric Flaws	3	4. Job Content Flaws				5. Other		6. U/E/S			
	(6777)		Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q=K/A	SRO only	0/2/3	Site	Source	7. Explanation
1	Н	3												E	Kewaunee		quantify the leak - 25 GPM in stem
2	I	2												S	Prairie Isla	bank	
															l		C and D are subset distracters. D does not mention heat
3	H	3				1							ļ	E	Seabrook	bank	transfer or heat sink as do A-C.
	_				. 1									_	<u> </u> .	l	distracter C is not plausible - revise - answer does not match
4	F	2			<u> </u>									E	Salem	bank	reference
_	۱	1	ŀ								1	1		ט	Kewaunee		Does not test controllers and positioners. C, D may be correct.
5	H F	2			-	3				_		1	 	E	DC Cook		Distracters A, B and C are not very plausible
-		 				-					-				DC COOK	Dalik	Overly simplistic. Not sure how they sampled the K/A for this
7	н	1 1	ļ			2					ļ]	E	Diablo Car	hank	question. No distracters are plausible
 -															Diable Cur	DUIN	Reference material does not justify answer. Mode 4 LOCA -
8	F	2	ŀ											s		new	enter EOPs?
Ŭ									_						†		With containment pressure increasing, distracters A, B and D
9	н	1 1	1			3			1		1		1	i E	Braidwood	bank	are not plausible
Ť	F	1				2								866 E	Point Beac		A, C and D are not plausible distracters
			i –											1	1		
		1	ļ								ŀ		1				Enhance distracters - A, B and D - 31 is in A, B, D but not C
11	F	3		1									l	Ε	DC Cook		(ans) - do all 3 components have to leak into the 32 header?
12	F	2												S	DC Cook		
13	Н	2				3							<u> </u>	E	Prairie Isla		Modify stem per Brown
14	F	2						ļ						E		new	Could D be correct? Why are B and C plausible?
		1 .	j				ļ	j			}	ļ	ļ	E			A to and a to a little to the state of the s
15	H	2				1/2					<u> </u>		1	E	Braidwood Diablo Car		A is not plausible. Why is D plausible? References required SRO question? C may be correct
16	F	3											 	<u> </u>	Diablo Car	Dalik	A is not plausible. B is a partial answer for C. Not clear why C
17	н	3		Į l		1	1				1			U?		new	is incorrect? Answer not supported by references.
18	H	2	 	 		1							ļ	E	Braidwood		C not plausible - provide reference material
19	H	2	-	1		 -		 							Seabrook		Consistently capitalize "decrease" in A and C.
20	H	3			\vdash			-					 	s	Prairie Isla		Consistency Capitalian Government
-	H	3		 	-	2			\vdash			i	 	in E	DC Cook		How are A and D plausible? Provide references.
22	H	3	1	-	_							——		s	Diablo Car		Should clarify the Rx power level in the stem
					\vdash								1	Ī			Consider providing RCS pressure value - control of pressure
	l	1	l	1	İ			l	1	1		ŀ	l	i	1		requires high as well as low pressure control. Reference does
23	Н	3	l .						l	L			ŀ	S		new	not support answer
24	F	3]	1]	U	1	new	Does not test reasons for EOP guidance
		1			'		1			1			1		I		"A" is not plausible, KA mis-match - does not test failed fuel
25	F	2				1					1	1		U	Seabrook		monitoring equipment
	Η	3					1					1	ļ	U	Prairie Isla	bank	"D" is also correct - no references provided - KA mismatch
	i	١ .	١.,				 		١.,					s	Robinson	hank	Stem does not ask for reason. Do you expect this level of knowledge from memory? Justify with LO
27	H	3	1	 		2		 	1	⊢—	 	 		E	Braidwood		A and D are not plausible? Check LO
==	 	-		 	-	 	 		 	 	 	 	 		DI BIGWOOD	DOLLIN	references - need to see step 4.2.3. Testing subsequent
29	н	3		1	1	I	l	ŀ	7	l	1	1	1	s	Harris	bank	actions from memory
23	F	2	 	 	-	1	2	 	 '	——	-		t	Ē	Beaver Va		A and B are not plausible
31	Н	1	-	t		2	1					l	<u> </u>	E	1	new	A and B not plausible - may conflict with another question
-	T	<u> </u>	1	 		 					<u> </u>	1	1		1		A and B not plausible - C could be correct (timing) - need
32	н	1	1	1	1		1 1					l	L	E	Turkey poi		references to document answer
33	Н	2	1	<u> </u>					I	L				S	DC Cook		simplistic - right answer is to trip the plant
34	Н	3												S	DC Cook	bank	no reference provide to support answer
													1	E	Milistone	bank	simplistic - B, C and D not plausible - as temp increases - OTDT/OPDT stays the same?
	Н	1 1		 	-	3	 	 	 	 		+	 		MINISTORIE	Dalik	O I D I TO F D I Stays the senter
36	н	3	1	1				l	l	1	1	1		s	1	new	reference does not substantiate answer - bus 3A powered?
37	H	3	t	†	1	2	—	\vdash	1					E	Salem	bank	A and D not plausible - changes recommended
38	F	3	 	\vdash	1		t			1				S		new	
		1	1	1			<u> </u>	T		ļ							A and B not plausible - RCS temp increases for open SDV? -
	н	1 1		L	<u></u>	2	1	<u> </u>	<u></u>	<u>L</u>		<u></u>		E	Beaver Va	bank	clarify "partially open - no references provided
	Hillian.	1	Ī]			I		1		1			1		B and D not plausible. Are we sure that C is not correct? No
40	H	2	l		<u></u>	<u> </u>		<u> </u>	<u> </u>	L	<u>L </u>	1		. s		new	references provided?
41	H	2		1		1 1	1							E	Millstone	bank	A and C not plausible.

7

																,	
42	н	1				l					ı			s	Robinson	bank	B and C not plausible. Answer given away in question 43 - LOD 1
					_												Filter douse valves not in CSS lineup. No time or sequence
43	F	1	1											E	Ginna	oank	provided for C and D.
44	H	2				1								S		new new	need reference material to document answer
45	Н	3														new	KA is incorrect - Question history used at Diablo Canyon - but
46	F	2				2						i		Ε		new	considered new?
					\neg										i Torri		If a Zum strainer is like a travelling screen, the the K/A is < 2.5
	ſ	ĺ		ĺĺĺ								i	- 1			ł	BUT they cite a learning objective. Note there is a problem
47	F	. 4			\rightarrow			-	11			1		S		new	with the KA catalgoue on system 076 K2s.
		1								1			1				Would the reactor trip on loss of instrument air? Would this affect the answer? Charging flow increases if HCV-142
48	н	3		1	Į									U		new	closes?
49	F	2				\neg								Ē		new	Simplistic but OK need references to validate
50	F	3												S		new	
l	_ [i .										_]		Add the word "valve" to "C" - need references - IAW
51	F	2			\vdash								-	E		new	procedure? Does not match K/A - does not address impact on RCS - typo
52	F	2						[[1 1	1	U	Braidwood	hank	on MANUAL - need reference material
32															Braidwood	Dalik	If no rod motion is assumed, how does the reactor trip? - will
53	н	2	1											E	Byron	bank	SGWL shrink out and cause a Rx trip
																	No correct answer. A and D are not plausible, C may be
1	1					ĺ				ĺ			1		i I		correct (need more references) - add correct nomeclature for
I	F									l				1000			switch and add distracter for common alarm buzzer on/off
54 55	Н	3 2				3		<u> </u>						E E	Beaver Val	new	toggle switch Why are A, B and C plausible?
133	''- 			 			-								Deaver var	Darik	A. B and D are not plausible? - provide reference material to
56	н	1				3				[Е	Braidwood	bank	support answer
М			_														Why are A and B plausible? Are asking for knowledge of DC
57	н	3				2								E	Kewaunee		power to MOVs?
58	Н.	3						اــــــا						S S	Beaver Val		Isimplistic
59	F	2												3	Palisades	Dank	Should B be enhanced? 1/2 way can be a an less-than
																İ	descriptive thing. The suction piping extends only 6 ft into the
60	F	2		i 1		1				l				E	Millstone_	bank	pool - the fuel has at least 23 ft of water over the tops.
61	Н	2												S	Seabrook	bank	simplistic - provide reference
	l l	_ :								[•		E			Why is C plausible? How would inserting a control rod cause
62	н	2				1								<u> </u>	Indian Poin	bank	Tave to increase? B not plausible. B - how is removing air from door seals a
				1 1													plausible? D - you have "apply air to door seals" in 2 places D
63	F	2				1				ļ			j	E	Braidwood	bank	may be correct?
64	F	3												S	Robinson		
65	E	2												S		bank	provide references to justify answer
66	Н	3		 	 			-						S	Davis Bess	bank	No correct answer. Reference indicates C is correct? Is the aux boiler required to be operable? Does exclusion 5
67	F_	3												U	Millstone	mod	apply?
	н	_		[]		1								E	Point Beac	hank	Distracter D not plausible - change to test hi temp isolation
68 69	F	3		 -	 	1			 -					_==	Robinson		Simplistic - no reference provided
70	H	3		 					 -					<u> </u>	Turkey poi		no reference provide to support answer - 2 correct answers
																	A is also correct - B is probably not correct for the conditions
		_							1		l				l	l	specified - C is implausible and the reference provided does
71	H .	3	<i>-</i> -	<u> </u>		1		 	 -		 				Kewaunee		not support why D is wrong?
72	F_	3	1	 				 	 	\vdash	<u> </u>			E	Summer	bank	simply stem C is not plausible. You would never enter ES-0.1 directly.
73	F	2				2							l	Е	Kewaunee	bank	Replace B
74	F	3												U	Kewaunee	bank	Why is D not correct? 2 correct answers
75	F	3												S	Beaver Va		
Total		2.3	- 5	3	0	31	5	0	3	0	0	6	์ 1 บ	75 10		75	i I bank
F	32 43	42.7% 57.3%											E	10 38			nod
"	70	100.0%											s	26			new
													?	1	1.3%		
															100.0%	75	
															Bank	72.0%	Beaver Valley

25.3% Beaver Valley

Q#	1. LOK	2. LOD (1-5)		3. Psychometric Flaws					4. Job Content Flaws				5. Other				
	(F/H)	(1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q=K/A	SRO only	U/E/S	Site	Source	7. Explanation
75	Н	3												S	Beaver Va	bank	
																	A and C are not plausible - were plausible on the original bank
																l	question. Question was RO level in bank. Did not provide
76	Н	2				2								U	Kewaunee		copy of original question.
77	Н	3	11											S	Beaver Va	bank	D is possibly correct - E2 has priority over E3
78	н	2				2						1		E	Braidwood	hank	B, C and D not plausible? - recommended changes for stem and times
														 			Not clear how load list reference supports the answser?
79	н	3							1	1				s]	new	Provide reference to show LD isolates
					\vdash												Not SRO question - not tied to 10CFR55.43 or appropriate for
80	F	4						İ					1	U	j	new	SRO test
-													··············		!		Answer is not correct - should be D because CSFs do not
					l												apply until step X of E-0 - except for FR-S.1 which is
	1				1 1					1					j	l	separately transitioned. Not supported by reference
81	F	3						1		1				s	Surry	bank	document? Provide references
82	Н	2			_	2								Ē	Kewaunee		Distracters A and B are not plausible
83	F	3				1								Ē	1.1011441100	new	need reference material Att 1 and 2
																	
														Ì		1	"Modification" no longer matches the K/A. Need additional
84	н	3										1		s	Ginna	bank	reference to validate answer provide referrence
Ť		Ť										<u>-</u> -			1	201111	C is not plausible. Do you expect applicants to know CSF
85	н	4				1								E	ļ	new	numbers from memory (< red path?).
														- -	\vdash		C & D not plausible - energizing backup heaters not a
86	н	3		1		2								ΙE	San Onofre	mod	plausible operator action - will energize in automatic
					\Box											-	
87	н	4										1		U	ł	new	Does not test K/A - TS Bases - the bases are all the same
																	Distracter B not credible - starting a condensate pump when
									ł						1	l	you have lost a feed pump? Why???? Distracter C and D are
88	н	4			1	2	i							E	1	new	the same thing
															· · ·		Distracters A is very similar to B - differentiate! Why expect
89	Н	3				2								E	Salem	bank	them to know from memory.
90	H	3				2								E		new	Why is A wrong? Why are C and D plausible?
91	F	3												S	1	new	
92	Н	3												S		new	May duplicate an RO question?
																	What is the significance of the "CHANNEL FAILURE" alarm?
93	Н	3												E		new	Need more references. B and C not plausible?
			l														Too simplistic - of course you need an RHR/LPSI pump - need
94	H	1						L						E		new	to see reference to understand objective
95	Н	4												S		new	Verify answer is correct
96	F	3												S		new	Capitalize FIRST
																	Distracters B and C are not plausible - and has a typo (31 SI
97	H	3				2								U	<u> </u>	new	pump instead of 33 SI pump
98	F	2												S	Braidwood	mod	modified original bank question - not provided.
99	Н	1												S		new	tube rupture event in 2000 makes this easy LOD = 1.0
																	K/A 2.4.28 is Knowledge of procedures relating to emergency
100	F	3			<u> </u>			L				11		U		bank	response to sabotage.
Total F H	26 7 19	26.9%		1	o	10	0	0	0	0	0	4	1 U E S ?	26 5 10 11 0	19.2% 38.5% 42.3%	3 15	bank , mod , new
																57.7%	

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).