

ES-401

Form ES-401-9

FACILITY: Fort Calhoun (RETAKE)

EXAM DATE: Oct 2001

CHIEF EXAMINER: T McKernon

REVIEWER: R Lantz

* Indicates part of initial sample

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
1*	F	2											✓		S	
2*	F	3											✓		E	Check answer, none look correct
3	F	1				✓									U	B/D not credible, better- ask when steps can be performed out of sequence
4*	F	2											✓		S	
5	F	3													E	This is an SRO only question in accordance with 55.43(b)(7) System level fuel handling... RO learning objective?
6	F	3													S	
7	F	2													S	
8	F	2													S	
9*	F	1						✓					N		U	GFES... replace
10*	F	1		✓									✓		U	Highest level title likely answer, change distractors
11	F	2													E	answer is true statement, not clear that it is the answer
12	H	3													S	
13	F	2											✓		E	"D" seems the obvious answer- what if: B- Blue is lit, C- green is unlit (new answer) D- red is lit
14*	F	1				✓		✓					✓		U	prompt critical, GFES type Q, B/D not credible (already critical)
15	H	2		✓									N		U	Figure used in other Q#21, replace
16*	H	2											✓		S	
17	H	2				✓									E	Change Distractor A to 175°F and Distractor D to 643°F recommend changing another distractor so that 2 of the 4 answers do NOT end in xx0°F
18	F	2													S	
19	H	2											✓		S	

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20	H	3				✓								E	Change A-An OP-4 S/D is NOT allowed w/o charging, B- sow drop in Lpzi due to loss of m/u cause pressure control problems
21*	H	2		✓								✓		E	consider blanking out labels on the handout
22*	H	2				✓						✓		E	change C to BAT B
23*	H	2										✓		S	
24	H	2												S	
25	H	2												S	
26*	H	2										✓		S	
27	H	3												S	misspelling on Dist D -> "malfunctiones"
28	H	3												S	
29*	H	3										✓		E	reword Q- Reactor and turbine fail to trip
30	F	2												S	
31*	F	3										✓		E	ensure distractors are valid pre-trips
32	H	2		✓										E	change answer, React to Act
33	F	2												S	
34	F	1						✓				✓		U	too simple, need plant system's interactions
35	F	2												E	B possible argued as correct, switch Q from Why? To what are the indications of SLBA
36	F	2												E	Direct lookup as given, modify Q to not give pessure, but info to deduce, such as 450# below SI pump shutoff.
37	H	3												S	
38*	F	3										✓		S	
39*	F	3										✓		S	valid from memory?
40	H	3		✓										E	chage distractors, add C to A, C to B, add "only" to C, and modfify D-Auto when....
41*	H	3										✓		S	

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42	H	2												E	remove "S/G press is controlled by" from each choice
43	H	3	✓											E	clarify stem... switches to local, then subsequently S/G drops...
44	F	3												S	
45	F	3				✓								E	clarify B and C, B- After a 30 sec time delay, depress... C- depress....no time delay
46	F	3												S	
47	F	1						✓	✓					U	Ask related question on how OPS is affected
48	H	2												S	
49*	H	4										✓		S	
50*	F	2										✓		S	
51	H	3												S	verify A must be incorrect
52*	H	3										✓		S	
53*	F	3										✓		S	
54	F	2										✓		S	
55	H	2												S	
56*	H	2				✓						✓		S	
57*	H	2										✓		S	
58	H	3												E	verify A is incorrect
59	F	3												E	delete "one" from stem... A:CIAS ONLY, B: CPHS or CIAS, C: PPLS or SIAS D: SIAS ONLY
60	H	2												S	
61	H	3												E	change C- Immediately trip the reactor and Turbine
62*	F	3										✓		S	
63	H	2												S	validate this Q, how calculated?

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64	H	3												S	Distractor C has operator misspelled
65	H	2											N	S	
66*	F	2						✓	✓					U	Revise to ask what actions are required per T/S, must calc tilt, then refer to T/S 2.10.4 (4)
67	H	3										✓		S	
68	F	2												E	Add "main" purpose to the stem
69	F	3												S	
70	H	2												E	Change the stem to say "Containment Spray pump, SI-3B, breaker failed to close."
71*	F	2										✓		S	
72	F	2												S	
73	F	2										✓		S	
74	H	2												E	B is not a stated function, but is it true?
75	H	3												E	add "instrument" to C, D
76*	H	2										✓		S	
77	H	3												S	
78	H	2												S	15 minutes, has time been validated?
79	H	2										✓		E	verify correct- must assume condition worsens or sprays are ineffective
80*	H	3										✓		S	
81	H	3												S	add "manual" actions to the stem
82	H	3												S	
83*	H	3		✓							✓	✓		E	modify Q, don't give steam leak, just say power level, transient and trend info
84	H	2												E	modify numbers for 70 inches EFWST.... answer 2 hrs, dist at 3hr 45 min, 1 hr 30 min and 2 hr 30 min.
85*	F	3										✓		S	

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86	H	2	✓											E	combine common stmts in ans to stem
87	H	2												S	
88	H	2												S	
89*	F	2										✓		E	seems multiple answers could be correct, and true answer (degas from S/D) is not given as a choice
90	H	2												S	
91	H	3												E	This probably should be SRO only, since 55.43(b)(5) requires SRO assessment of plant conditions and selection of appropriate procedure. On prior NRC exam... RO or SRO?
92	F	2												S	
93	F	3												S	
94	F	3												S	
95	F	2												S	
96	H	3												S	
97	H	2		✓									N	U	as worded, A and C cannot be correct... change stem to ask for lowest flow that...
98	F	2												S	
99	H	2												S	
100	F	2												S	