ES-401

Form ES-401-9

FACILITY: Comanche Peak EXAM DATE: May 2001 CHIEF EXAMINER: G Johnston REVIEWER: RE LANTZ

	1.	2.	3	. Psyc	homet	tric Flaw	/s	4.	Job Con	tent Fl	aws	5.	6.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	U/E/S	Explanation
1	н	2				х						Е	Is D correct if expose <5 but >12? If not, delete exposure ref in D. (No "D" is not correct - >10mrem
2	F	2										s	
3	F	2					х					S	Potential for more than one correct answer (kaok)(must resolve with licensee)
4	F	2	х									Е	Are you asking where to look to see if the operator is <u>Qualified</u> to operate, or if the component can be operated given a set of plant conditions? Modified question
5	F	2										S	(kaok)
6	н	3										E	Give Stem conditions of 100%, steady state. Then state the following conditions read 3 minutes later do not give trends. Makes Q less GFES (Modified question - must make sure conditions are accurate with the licensee)
7	F	4	Х									E`	Q is wordy, par down to ask directly one EDG, T/S requirements? Simplified
8	Н	3		х		х						Е	ans only one not header press change d to a loss of power to a bus that does not affect the steam dumps (changed one answer - added single vs coincident)
9	F H	4	Х									E	Add the procedure in the stem that gives the requirement, reword c,d to action stmnt: Secure ECCS when RCS subcooling exceeds(kaok)
10	н	2						×				U	GFES as asked. See comments on Q6 (kaok) (modified to include actual plant parameters)
11	Н	4	х									S	Answer does not seem responsive to the Q, although correct may need to reword Q (kaok)
12	F	2										E	Need to complete edits on Q
13	F	2										s	d is always correct would be better: There are NO required actions to these indications. Delete "Inform the SM" from c, add "per (ABN???? for CR EVAC)"
14	Н	2					х					s	C looks also correct - level signal used for FRV control not MFP speed control - C ok
15	н	3						×					GFES as asked. See comments on Q6, Q10 (modified to include actual plant parameters)
16	F	3										s	(kaok)
17	F	2					х	1				Е	C may also be true (will need to check with licensee)

<u> </u>	1.	2.	3	. Psyc	homet	ric Flaw	's	4.	Job Conf	tent Fl	aws	5.	6.
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18	н	3										s	
19	F	2										S	
20	F	3		Х								E	If a is true, b must be, If Cis true, d must be, so a and c cannot be reword the stem or rewrite these two distractors to a power loss and other. (Reworded the stem)
21	н	3										S	(kaok)
22	F	3										S	(kaok)
23	Н	3				Х						E	a and c not credible. Delete part of Q about mass changes (changed the stem)
24	н	3										s	
25	н	3										s	
26	н	3										s	delete reason given in b,(kaok) (deleted reason)
27	н	3										s	d is not responsive to the Q, are we sure it is false? Change to no major plant affects (changed stem)
28	F	2										s	
29	н	2										s	(kaok)
30	F	2										s	K/A more appropriate as 001-2.1.12. SDM determination is a task in CRD system. Believe this K/A is appropriate based on SDM reference in APE 005.
31	н	3										s	
32	F	2										s	
33	F	3										s	
34	F	4					`					s	(kaok)
35	F	2										s	(kaok)
36	н	2										s	
37	н	3										s	
38	н	2										s ,	verify d is incorrect. (Reviewed ABN-706 - "d" appears to be incorrect)
39	F	2											move common part of answers into stem or remove from two distractos(removed part of common answer to the stem)

Q#	1. LOK	2. LOD	3	. Psycl	homet	ric Flaw	s	4.	Job Cont	tent Fl	aws	5.	6.
Q#	(F/H)	(1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	U/E/S	Explanation
40	Н	2										s	verify answer, c or d?
41	Н	3										s	
42	Н	2										S	
43	н	3										S	(kaok)
44	н	3										S	
45	Н	3										S	(kaok)
46	н	3										s	
47	F	2										S	
48	F	3										S	
49	F	3										s	
50	н	3										s	(kaok)
51	н	3										S	Need a time limit on a and b for validity. Change stem to reduce redundant statement in answers (no operational impact due to) (Put in time limit and removed red. Statement)
52	F	2	х									s	Consider changing stem to be more operationally valid HI ALM on RE-5895A (changed stem)
53	н	3										s	(kaok)
54	F	3										s	(kaok)
55	F	2					х					E	Ensure the three distractors are clearly wrong they all seem to be arguably correct. (Modified answer and distractors - all distractors should be incorrect)
56	F	3		×								E	For a and b, delte the reasons given, not asked for in the stem: a: and demineralizers are bypassed, b: and the demineralizers are placed in service. (distractors changed)
57	н	3										s	
58	F	2										s	(kaok)
59	Н	2										s	
60	н	3										s	Verify answer (changed the answer and verified)

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Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	U/E/S	Explanation
61	F	2										S	consider listing the procedure in the stem that states these methods. (Not in a procedure, comes from training lesson)
62	Н	3										E	put "reset SIAS" in stem and delete Att 9 reference in the answers. Does the EOP direct restoration from the control room vice locally?(kaok) (Changed and Yes)
63	Н	2										S	
64	F	3	Х									Е	Move Annunciator 6B-4.7, "LWPS PNL TRBL" to stem as an indication, and modify answers as appropriate. (Removed "LWPS PNL TRBL from Q&A)
65	F	3										s	(kaok)
66	Н	3										Е	this may require a handout, and then may need revised to prevent DLU (kaok) (modified question, so they should know based on RCS requirements the answer)
67	F	2										s	K/A weak, better 06K1.03 or 09EK3.21 4.2/4.5 or 11EK 3.12 4.4/4.6 - changed K/A to 06K1.03
68	н	2										S	
69	Н	2										s	
70	Н	3	х									E	Modify stem "What are the minimum actions required to verify the S/D safety function after verification of reactor trip and bypass breakers open, neutron flux decreasing?" Delete "verify reactor trip by" in each answer (modified)
71	н	3										S	(kaok)
72	н	3										s	(kaok)
73	H	3				х						Е	Verify a not also correct. C is not credible. (Chaged "c" and verified answer)
74	F	2										S	Consider referencing the procedure that specifies the action (no change - don't believe it adds anything - Other than more information that )
75	Н	2										s	
76	F	2										s	
77	F	3	х									Ε	delete sections of answers that are ot plant impacts, as requested by the stem, ie, DG remains operable(modified)
78	F	2										s	
79	F	1						70.00					generic fundamentals question, delete (need help with finding or writing a new question) (Per Gary, leave as is)

Q#	1. LOK	2. LOD	3	. Psyc	homet	ric Flaw	s	4.	Job Con	tent Fl	aws	5.	6.
Q#	(F/H)	(1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	U/E/S	Explanation
80	Н	3		х								U	delete, repeat of Q 46 (replaced with new question)
81	F	4					х	-				s	Verify b is not correct
82	F	2										S	
83	F	2										S	(kaok)
84	F	3		х								Ε	answer is cued (only one with tech data) modify one other distractor to appear more valid (modified the 3 distractors to have tech data)
85	F	2			•			1				s	
86	F	2										s	
87	н	3										s	
88	Н	3				х						S	C does not appear credible due to increased subcooling, modify (modified)
89	F	2										Е	reword distractor d, it says all breakers are closed. (Modified)
90	F	3										s	K/A weak, better is WE/E16EK1.2 2.7/3.2 - ok, changed K/A
91	н	2										s	
92	F	2	·										would be a better question if the hydrogen/ oxygen mixture was not flammable, but caused one of the other distractors to be correct The question as is leads to the answer without any knowledge of the limits on hydrogen/oxygen (no change, left as is)
93	н	3										s	(kaok)
94	F	2		х				-					Q 12, 64 and 65 test some aspects of 5253, and provide some cues for an answer.  Consider replacing one of these Q's. (Modified the question - believe ok now)
95	F	1										U	generic fundamental, revise or replace (revised - LOK -> H))
96	F	2	х									E	Remove common responses from the distractors, put in stem -(needed to replace VERY similar to question #39 - replaced question)
97	F	2										S	(kaok)
98	F	3										s	(kaok)
99	F	2		x									Similar to prior Q on control room ventilation response, consider replacement (new question developed)
100	Н	2										s	

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S1	F	2							x			U	Not SRO level this is expected knowledge of any operator, admin procedure, 10 CFR 55.41(b)10. Question modified, LOK -> H
S2	F	2										s	
S4	F	2		х								E	See S29 Deleted SRO Question 4
<b>S</b> 7	F	2										s	
S9	Н	2						×				E	possibly not SRO level. These look like immediate actions in the current procedure, do not require diagnosis of conditions to select the appropriate procedure. If these are immediate actions, not SRO level. New Question
S17	Н	2						х				٦	Not SRO level. 55>41(6, 11) New Question
S20	F	2						x				U	Not SRO level systemquestion Agree this is not SRO level, this question does not count toward SRO only since K/A Category is K2> No changes to question
S29	F	2										Ε	Similar to prior QS4 for evacuation of containment due to fuel handling accident. Recommend delete S4, keep S29. Deleted SRO Question 4
S69	F	3										S	
S70	н	2										s	
S83	F	3										s	looks like 55.43 (b) 2, but lacks basis.
S84	Н	3											Not SRO ONLY, 55.43 (b) 5 is assessment of conditions and selection of procedures. This Q is system knowledge, 55.41(b)7. K/A 027AK2.03 2.6/2.8 more appropriate. Listed K/A has importance rating of 4.1 vice 4.0 (Leave as is, SRO unique, but NOT SRO only - changed K/A)
S86	F	3	ļ									s	
S87	F	2										s	move the "if no compensatory actions taken" to the stem.
S88	н	2										s	
S89	F	2											b and c easily tossed as not credible (pH 10.5 basic is not licensed level knowledge) 55.43(b) 1 ref incorrect. Reword Q to ask reason for T/S limits. (Changed distractor "c" and modified distractor "d". Deemed acceptable at the SRO level)
S90	F	2										s	
S91	н	2										s	
S92	н	3										s	
S93	н	3										s	

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	1.					ent Fl	aws	5.	6.				
Q#	LOK (F/H)	(1-5)	Stem Focus		T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units		U/E/S	Explanation
S94	Н	3										s	
S95	F	2				·		x				Ε	This appears to be immediate actions of AOP. If so, this is not SRO only. 55.43 (b) 5 requires assessment and selection of procedures. ( NOT an immediate action)
S96	F	2			,							E	All background info in Q is unnecessary, just ask the Q. This Q is general EOP format information, not 55.43(b)5. Closer to 55.43(b)2 or 55.41(b)10 (Just asked the question and changed to 55.43(b)2)
S97	F	2										S	
S98	F	3										s	Is this subsequent action required from memory? Yes
S99	F	2										U	55.41(b)13, not .43(b)5 (New question, deemed acceptable for SRO only level)
S100	F	2										s	

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