Written Examination Review Worksheet
Vermont Yankee 2009 Retake SRO exam
Form ES-401-9

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6.	7.	8.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	B/M/N	U/E/S	Explanation *Italics* indicate changes required to draft exam
1	H	3										Y	Y	N	S	
2	H	3										Y	Y	M	E	After 2nd paragraph add: "*The crew is performing followup actions in the appropriate OT.* Modify 3rd paragraph to read "*Based on the above…*" For distractor "B" change forward to "*reverse*" For answer "D" change reverse to "*forward*"
3	F	3										Y	Y	M	S	
4	F	3										Y	Y	N	E	Last line in stem "*In response to these events*, the CRS will…"
5	F	3										Y	Y	N	S	
6	F	2										Y	Y*	N	E	3rd line of first paragraph should read "…Torus temperatures *when required to maintain adequate core cooling* during post Scram…" *Note: Meets SRO-only since this involves SAG's
7	H	3										Y	Y	N	E	Paragraph (2) to read "In accordance with Technical Specifications, the Control Room Supervisor *must* verify…" Licensee to confirm that there are "operational implications" if the 30 day report is not made on time.
8	H	2										Y	Y	N	E	Last sentence "… the CRS *must* direct an RPV water level…"

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
2. 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).
3. 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).
4. 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.
5. 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).
6. Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
7. 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?
8. At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

Note: Chief Examiner completed a technical validation of all 25 questions

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9	F	3										Y	Y	N	E	Last paragraph to read "...has been entered *and all specified actions have been attempted* to control drywell temperature..."
10	H	3										Y	Y	M	S	
11	H	3										Y	Y	N	S	
12	H	4										Y	Y	M	E	"...following APRM and IRM readings..." period after "...normal range. Remove indent for (1) and (2)
13	H	3										Y	Y	N	E	Add second bullet "• *While installing jumpers an LNP occurred*
14	H	3										Y	Y*	N	E	Paragraph for (1) to read "*Based on the above the Control Room Supervisor must ensure a manual Reactor Scram has been initiated.* RPS "B" should..." *The question is regarding an explanation of a requirement in the Scram procedure
15	H	3				X						Y	Y	N	S	
16	F	3										Y	Y	N	E	Delete "expected" in (1) The CRS *will* direct... in (2)
17	F	2										Y	Y	N	E	2nd paragraph "...dryer output pressure gauge *lowers to 0 psig."* 3rd paragraph "*Based on the above*: The ___(1)____. *IAW OP 1101 "Management of Refueling Activities and Fuel Assembly Movement"*, refueling operations are halted and may be re-initiated only by the __(2)____
18	F	3										Y*	Y	N	S	* Weak correlation to part "a" but directly satisfies "b"
19	H	3										Y	N	B	U	Not SRO-only. Proficiency watch requirements are common to RO Licensee to re-select a new K/A and provide a replacement question

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20	H	3										Y	Y	M	S	
21	H	3										Y	Y*	N	E	Last line change "is" to "*must be*" *Licensee to confirm this information is NOT an RO learning objective
22	H	3	X									Y	Y	M	E	Remove indent for (1) and (2)
23	F	3						X				Y	Y	N	E	First paragraph change performing to "*performed*" Add 5th bullet "• Outside air temperature is 10 degrees F"
24	H	3										Y	Y*	M	S	* Confirmed this is NOT a DLO.
25	H	3										Y	Y	N	S	