
NRC COMMENTS

ON THE PROPOSED OPERATING TEST

AND THE PROPOSED WRITTEN EXAM ON ES-401-9

FOR THE LASALLE INITIAL EXAMINATION - MARCH 2005

COMMENTS ON LASALLE 2005 PROPOSED OPERATING TEST

Examination Section	Comment
Scenario 1	In Event 4, switch actions to be taken by RO and BOP. In Event 5, add steps for RO to check for core stability.
Scenario 2	In scenario outline, reword event 6 description. In Event 1, add steps to stop "A" pump and reopen discharge valve. In Event 5, add insertion of cram rods to Critical task.
Scenario 3	In Event 2, change trigger so rod will move at about 475 psig.
ADMIN JPM 1	In Initial Cue, state computerized log out of service. Make location of Status tag not critical. Add cue for action required for removal. Make recording location of tag placement critical.
ADMIN JPM 2	Aline APRM reading and GAFS on CORE PERFORMANCE LOG.
ADMIN JPM 3	Have ER-AA-321 and Tech Spec available but do not provide with JPM.
ADMIN JPM 4	Add review of area rad map to cue.
ADMIN JPM 5	Changed Initial Cue to be less leading.
SIM JPM 1	Minor cue changes.
SIM JPM 3	Changed Initial Cue to provide pressure band. Deleted steps 5 and 6.
SIM JPM 4	Made last two steps of step E.33 critical. Made steps of E.34 critical Added steps to place generator voltage control in automatic to end of JPM.
SIM JPM 6	In step D.4 changed voltage set point to match procedure.

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	Back-ward	Q=K/A	SRO Only			
1	F	3	X												E	NEW Question: What are the sources of two temperature signals? If bottom head drain temp is used reword question. May need to change to "What is the purpose of..." Also can "B" be a correct answer? High differential temperature could be indicative of inadequate RT bottom head drain flow. Resolution: Question reworded to correct problems noted.
2#	F	2													S	NEW
3#	F	3													S	NEW

Instructions

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

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- 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).
- 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).
- 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.
- 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).
- 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?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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	Back-ward	Q=K/A	SRO Only			
4	H*	2					X								E	NEW Editorial: This question appears to be higher order not F as submitted. Question: What will be the effect of the stuck open stop valve? Will this lead to a scram? If so could one argue to a different correct answer? Resolution: Question changed to higher order. It was verified that a scram would not occur.
5	F	3													S	NEW
6#	H	3				X									U	NEW Comment: If "A" was correct "B" would also be correct knowing there is only one correct answer candidates will never pick "A". Consider changing "A" to one rod at 48 one rod at 02. Resolution: Stem reworded to eliminate the concern.
7#	F	3								X					E	NEW Comment: We are testing if the candidate knows which valves are interlocked with Shutdown Cooling Suction not which are not interlocked. How about asking, "Which of the following valves have an interlock requiring it to be closed before 1E12-F006B, Shutdown Cooling Suction can be opened." Then list the 4 valves in groups of three. Resolution: Question reworded as suggested.
8#	F	3													S	BANK
9#	F	3													S	BANK
10	H*	3													E	NEW Editorial: This question appears to be higher order not F as submitted. Resolution: Question changed to higher order.

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		
79	F	3				X								E	NEW Comment: Distracter "D" not credible, no one would see maintaining water level as increasing time to boil, how about something like "direct maintaining RPV level between 30 and 40 inches providing time to boil is calculated to be more than two hours." provided that would be wrong. Resolution: Distracter "D" changed.
80	F	2												S	NEW
81	H#	3												S	MODIFIED
82	H#	3												S	NEW
83	H	3							x					S	NEW Comment: Can we expect operators to know there are 200 GAL/INCH in the reactor? Resolution: Confirmed with validation staff that this is a site expectation.
84	H	2												S	BANK

