



TRIGA Reactors Facility
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October 25, 1990
OP/SOP - 1640

Mr. Rich Laufer
Office of NRR/LOLB
US Nuclear Regulatory Commission
1 White Flint North
11555 Rockville Pike
Rockville, Maryland 20852

Subject: Docket No. 50-89, Administration of Reactor Operator and Senior Operator Examinations at General Atomics (GA)

Dear Mr. Laufer:

In the exit interview following the subject examinations, the undersigned and Dr. W.L. Whittemore, Training Coordinator at GA, reviewed with you the written examination key for the RO examination. As a result of the review, we are submitting our comments on four questions which were (a) not consistent with the training material as submitted, (b) more than one answer was possible, or (c) because of subsequent facility modifications not included in the training material, the candidate could have given an answer different from the official exam key. All these comments were discussed with you during the exit interview.

Attachment A is a list of these questions, along with a brief statement as to the reason why the facility staff objects to the answer as given in the examination key.

We do not have any additional comments on the examination. Should you have further questions on this matter, please do not hesitate to call me at (619) 455-2441.

Very truly yours,

Junaid Razvi, Ph.D.
Director
Radiation Services

JR/bb

Enclosure

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ATTACHMENT A

<u>Question No.</u>	<u>Reason</u>
A-011	<p>The "correct" answer (per exam key) is (b) and is only obtained by using an approximation to the in-hour equation. However, since the in-hour curve was also provided to the candidate, obtaining the stable period from the curve is also acceptable; this makes answers (c) and (d) closer to the correct value of stable reactor period.</p> <p>Therefore, answer (b), (c) and (d) are all acceptable, since the method of obtaining the period was not specified to the candidate.</p>
B-008	<p>We suggest the wording of the question be changed to ". . . remain in MANUAL mode when the operator depresses the PULSE mode pushbutton?" This is to clarify the fact that for pulsing the reactor, the operator must first switch to pulse <u>mode</u>, then depress the pulse FIRE pushbutton.</p> <p>We are in agreement with the answer given in the exam key.</p>
C-001	<p>This question should be deleted. None of the answers apply. This was verified in the training materials.</p>
C-013	<p>Two of the answers are equally correct - (a) and (b). One of the two answers is not discussed in the training materials because the UPS on the Mark I reactor is a recent addition to the facility. We accept this oversight. However, if the candidate gave either (a) or (b) as the correct answer, then it should be accepted. The addition of the UPS to the Mark I was pointed out to the examiner in the walk through.</p>
C-016	<p>Two answers - (b) and (d), are correct. This was verified in the training materials</p>
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