

TMI JULY 2001 SRO NRC EXAMINATION

Post Written Examination Review Session

There were two comments provided by the candidates during the post examination review. These comments were provided as potential enhancements to the questions. Neither question was missed by any of the examinees. Neither question requires modification of the master examination.

Q050: In distracter D, add the words "the next".

Original distracter wording: Take action within one hour to restore at least one IR channel to operable status or place the unit in HOT SHUTDOWN within 6 hours.

Proposed enhancement: Take action within one hour to restore at least one IR channel to operable status or place the unit in HOT SHUTDOWN within *the next* 6 hours.

This enhancement will be made prior to placing the question in the facility exam bank.

Q062: In the stem, recommend changing the time for subcriticality to 5 days. 4 days meets TS limitations, but facility administrative limits for refueling require 5 days.

Original Stem wording:

Plant Conditions:

- The reactor has been subcritical for 4 days.
- FUEL HANDLING in progress in the Containment and FH buildings
- RM-G-7 (RB AUX FH Bridge) FAILS LOW

For this condition, STOP ALL:

Proposed revised stem wording:

Plant Conditions:

- The reactor has been subcritical for *5* days.
- FUEL HANDLING in progress in the Containment and FH buildings
- RM-G-7 (RB AUX FH Bridge) FAILS LOW

For this condition, STOP ALL:

NOTE: per telecon Bill Ode - no official post
Exam comments on the written exam
John Ode 8/2/01

TMI July 2001 SRO NRC Examination

Written Exam Evaluation/Analysis

No questions or comments from the examinees required any examination changes.

Questions that were missed by two or more candidates were evaluated as follows:

- #11 Two candidates selected different incorrect answers. Both indicated the lack of knowledge of an additional overpressure protection setpoint and logic for the Turbine Bypass Valves.
- #15 Two candidates selected the same incorrect answer. The answer contained the correct train of ESAS equipment, but the wrong procedure to address the given situation.
- #61 Two candidates selected the same incorrect answer. The answer was plausible, but not aggressive enough to treat the given conditions.
- #80 Two candidates selected different incorrect answers. One candidate used an incorrect cooldown rate to arrive at his answer. The other ignored a more limiting curve on the graph.
- #84 Three candidates selected the same incorrect answer. The answer was correct for part of the conditions in the stem, but ignored more limiting conditions. Therefore the candidates identified a longer Technical Specification timeclock.

All missed questions were also evaluated for training program weaknesses. This may indicate that more attention should be given to Emergency Procedure symptoms. This was exhibited by a total of five incorrect answers to questions that in some way used symptoms as part of the stem. This feedback will be provided for future programs. However due to the small sample size, this data may not be statistically significant.

No other programmatic deficiencies were noted.

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Questions And Clarification Provided During The Examination

There were only two questions/clarifications asked for during the administration of the written exam.

Question 003: In the stem, what does "Rod Control ...in MANUAL Mean?

Response: The Rx Master ICS controller and the Diamond are in MANUAL.

This was written on the front board, and identified as a clarification to all examinees.

Question 039: What was the procedure sequence prior to the current conditions?

Response: Answer the question as written.