

2008 River Bend Station
Initial License Examination
Question Analysis

In accordance with Item 6 of NUREG 1021 ES-403-1, Written Examination Grading Quality Checklist, an analysis was performed on those questions missed by half or more of the applicants. The results of this analysis are as follows:

Question 15:

7 of 12 applicants selected "C". The correct answer is "B". The remaining 5 applicants correctly selected "B". "B" is correct because the EOPs have the operator verify that suppression pool level is >13 feet prior to opening SRVs for Emergency Depressurization. Choice "B" is the lowest value given that is still above 13 feet. The popular choice "C" is the value which corresponds to the low suppression pool level value which requires Emergency Depressurization. The question is valid as administered.

Question 20:

7 of 12 applicants answer this question incorrectly. The correct answer "C" was selected by the remaining 5 applicants. Of the 7 incorrect answers, 4 selected "A" and 3 selected "D". A review of STM-310 determined that "C" is correct. Refer to STM-310 Page 31 of 53. At 57 Hz, the Volts/Hertz circuit develops a take over signal to drive excitation down as frequency decreases to protect frequency/voltage sensitive components of the regulator. The question is valid as administered.

Question 47:

10 of 12 applicants answered the question incorrectly. Of the 10, 9 selected "D" and 1 selected "A". The correct answer is "C". "D" is incorrect; because the white control power light is extinguished when the breaker is in the TEST position because the 52H contact is only closed when the breaker is in OPERATE. "A" is incorrect because the red light is illuminated when the control fuses are installed with the breaker CLOSED in the TEST position. The question is valid as administered.

Question 68:

8 of 12 applicants answered the question incorrectly. Of the 8, 4 selected "A" and 4 selected "C". The correct answer is "B". TRM 3.4.13 lists the operating limit for reactor coolant conductivity as $\leq 1.0 \mu\text{mhos}$. The question is valid as administered.

Question 83:

3 of 5 applicants answered the question incorrectly. All 3 selected "C". "C" is incorrect, because there is no parameter driving entry into EOP-0001. "B" is correct because the operating limit of 90°F has been exceeded. The operating limit is the value assumed in the accident analysis. If a LOCA occurs at a value below the operating limit, it can be assured the containment design limit will not be exceeded. With containment temperature at 91°F, it can not be assured that containment design temperature will not be exceeded if a LOCA were to occur. The question is valid as administered.

No Post-Examination Comments were received from River Bend Station for the December 2008 Initial License Examination.