

## POST EXAMINATION COMMENTS

### Written Exam comments:

There are no post-exam comments for the written exam.

### Operating Exam comments:

#### 2021 NRC JPM A1-a (SRO)

This JPM required candidates to review a set of logs and determine any deficiencies. Reactor BLDG Temp – IPCS is above the allowed value on the logs. One candidate manually calculated this temperature out using the equation from the logs. When they did this, it was determined that the AO wrote down the incorrect value and that the Reactor BLDG Temp was actually within the allowed band. A formal comment was generated for this JPM asking to accept two correct answers.

#### 2021 NRC JPM A1-b (SRO)

This JPM required candidates to determine shift manning requirements given a set of parameters. One candidate observed that the attachment they were given did not match the attachment in the frozen procedures folder. Before the next set of candidates started this JPM, it was determined by the NRC examiner to swap out the attachment for the correct revision. This did not impact the administration or performance of this JPM in any fashion. The revision had a different name for one of the watchstanders and who was responsible for filling this attachment out. This was solely a visual issue and it did not change any answers or critical steps.

## 2021 NRC JPM A1-a SRO:

During the performance of the A1-a JPM for SROs, one candidate performed the JPM differently than how it was validated. This led to a new correct way to complete the JPM correctly.

During validation, all candidates reviewed the CB Tech Spec Rounds and found that REACTOR BUILDING TEMPERATURE was logged at 119.1°F, which is above the maximum allowed value of 118.3°F. There is a calculation to find the average Reactor Building Temperature. This specific point that is logged from IPCS, already takes this calculation into account. All validators saw the value above the maximum allowed of 118.3°F, applied the Technical Specification of 3.6.1.5 and moved on.

During the performance of this JPM, one candidate manually calculated the average Reactor Building Temperature using the calculation and points that are given in the CB TECH SPEC ROUNDS logs. When performing the manual calculation, you get an average Reactor Building Temperature of 111.2°F, which is in specifications for allowed average Reactor Building Temperature. The candidate then said that the value was incorrectly written down and there is no need to enter Technical Specification 3.6.1.5. The candidate is correct with his statement.

We recommend that this JPM have two correct answers. Because the specific IPCS point already calculates the average temperature, those that read 119.1°F and applied Technical Specification 3.6.1.5 would be correct since this is how the JPM was intended to be written. If the candidate manually calculated the average Reactor Building Temperature out and determined the value was incorrectly logged and therefore Technical Specification 3.6.1.5 is not applicable, is also correct. In accordance with NUREG 1021, ES-303, two correct answers should be accepted because there was a deficiency in the procedure (CB rounds handout) that was beyond the applicant's control. Both methods have validity to the way you answer the questions to complete the JPM satisfactorily. Both methods allowed the candidate to find an error within the logs.

Attached is an answer key for the manual method.

Reactor Building Overall Average Temperature of 412', 436', and 463'.

$(PI001469) + (PI001470) + (PI001471) + (PI001472) + (PI001473) + (PI001474) + (PI001475) + (PI001476) + (PI001477) / 9, 1$

$(103.1^{\circ}F + 112.1^{\circ}F + 105.2^{\circ}F + 103.6^{\circ}F + 108.2^{\circ}F + 114.6^{\circ}F + 119.1^{\circ}F + 116.6^{\circ}F + 118.6^{\circ}F) / 9 = 111.2^{\circ}F$

If the candidate manually calculates the Reactor Building Overall Average Temperature of 412', 436', and 463', they get 111.2°F. This value is within the allowed temperature band and therefore entry into an action statement for Technical Specification 3.6.1.5 is not necessary.

Respectfully,

A handwritten signature in black ink, appearing to be 'Nikos O'Kimosh', with a long horizontal flourish extending to the right.

Nikos O'Kimosh  
Shift Manager