

# BV1LOT16 NRC Exam Material Change Summary

Following Walkthrough Week Of 9/12/16

## ADMIN JPMs

RO A1.1	<p>Task Standard: Add wording that the Surveillance is determined to be Satisfactory.</p> <p>Step 21.1C: Typo – change Block “B.4.f” to “B.5”</p> <p>Step 21.3 add wording “and initials Data Sheet 1</p> <p>Answer Key: type in “Initials” on the form in line (1)</p>
RO A1.2	<p>Step 3: Add step 3.5 “Initials and dates Data Sheet 1”</p> <p>Step 4.1: change to “Step 5 is N/A...” (clarifies which step in the procedure is N/A)</p> <p>Remove normalization factors and NIS readings from the QPTR form, make separate handouts with this information.</p>
RO A2	<p>Initiating Cue: Reword to state that they are to mark the isolation points on the VOND. Will read as ....isolate the rupture by marking them on the VOND, and inform your supervisor of the isolation points.</p> <p>Step 7: Change “must” to “should” in left hand column. The Air compressor will Auto stop once the valves are closed to isolate the leak as the pressure switch is upstream of the isolation points.</p> <p>Step 8.1: delete last part of the sentence, change to “and provides summary report in the Answer box.</p> <p>General: Add an Answer box to the Candidate Direction Sheet to write in their actions and report.</p>

RO A3	<p>Task Standard: Reword to match the Answer, delete the parenthetical sentence and add "Determines that the job cannot be completed within limits".</p> <p>Change allotted time to 20 minutes.</p> <p>Initial Conditions: Add sentence to the second bullet that the drain for the hose is located directly below the valve. Eliminates questions on which locations are to be evaluated for the task. Modify fourth bullet to read as "Your task to connect the drain hose will take 1.5 hours to perform"</p> <p>Initiating Cue: Remove "Candidate" prior to Answer box.</p> <p>Candidate Sheet: Label the box "ANSWER" for consistency with other JPMS</p> <p>RADPRO Maps: Redo the reading for the valve in the JPM is thicker than the other readings and stands out.</p> <p>Step 1.1C: Remove the word "Candidate"</p> <p>Step 2.1C: Change "EAD" to "Task Dose Limit", and specify where the numbers are coming from, i.e RWP 116-1001 for the 25 mr number and Survey Map 112105 for the 20 mr number.</p> <p>Step 3.1C: Remove the word "Candidate". Modify the sentence to read "... 1.0 hour) and the initial condition stated that the task will take 1.5 hours".</p> <p>Evaluator Cue step 3: Remove the word "Candidate"</p> <p>Answer Box: Add the words "Stay Time" to the BV Administrative Limit line.</p>
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SRO A1.1	<p>Initial Conditions: Change ARO to “All Rods Out” and add “Bank “C” between the words Control Rod.</p> <p>Initiating Cue: in parenthetical statement add the word “JPM” prior to the word evaluator.</p> <p>Step 1.2: Change first bullet to “Checks or Circles”</p> <p>Step 1.2: Add a third bullet to Initial and Date the Comments section</p> <p>Step 2.1C: add wording “...with N/A or removal on procedure...” after the word performed.</p> <p>Answer Sheet cover page: Circle the word “partial”</p> <p>General: Have available the rubber stamp OPS uses to sign off as preparer and reviewer. Obtain from OPS.</p>
SRO A1.2	<p>Initiating Cue: 4<sup>th</sup> Bullet, add “and reason why” to the end of the sentence.</p> <p>Page 3 Step 2.3: Remove this step as this would be a follow-up action.</p> <p>Page 4 Step 3: Add Critical step 3.3.C as “Does not approve the Surveillance”.</p> <p>Added NIS Normalization form to the JPM in case the candidate desires to verify these numbers.</p>
SRO A2	<p>Initiating Cue: change wording to “...rupture by marking them” (from RO JPM Comment).</p> <p>Step 7: Change “must” to “should” in left hand column. The Air compressor will Auto stop once the valves are closed to isolate the leak as the pressure switch is upstream of the isolation points. (from RO JPM Comment)</p> <p>Step 8.4: Change wording to read...”Direction Sheet in the Answer Box”</p> <p>Step 8 Evaluator Cue: remove the word “Candidate” prior to Answer Box.</p>

SRO A3	<p>Initial Conditions: Add the person's name "Mike Defulle has" to the beginning of the last bullet.</p> <p>Step 1.C Remove the "1" in the left hand column (typo)</p> <p>General: See if we can provide copies of the EPP plan books versus handing out the procedures. (determine if adequate copies are available of the EPP procedures (3 binders)</p>
SRO A4	<p>Task Standard: Modify to resemble step 3 of the JPM, with the PAR bulleted items and state that it must be completed within 15 minutes.</p> <p>Initiating Cue: Reword second to last sentence to state "Assume the Peer Check on the form will be SAT."</p> <p>NOTE – Type in the word Peer Check in the signature blank of the form to avoid any confusion. (answer Key and handout Form)</p> <p>Step 5: Add Critical Step 5.3C to verify that the form is signed by the candidate.</p>

## SIMULATOR JPMs

S1	<p>Initial Conditions – added “Full out position for Shutdown Bank ‘A’ rods this cycle is 228 steps.”</p> <p>Removed the blank examiner cue prior to JPM start time which stated the current cycle ARO position for SDA position.</p> <p>Simulator Change: Modified Stuck Rod N7 at 100 Steps verses 150 steps.</p> <p>Task standard modified to identify N7 rod as stuck prior to 125 steps.</p> <p>Evaluator Note prior to step 5: Modified the stuck rod position from 150 to 100 Steps.</p> <p>Step 6 - changed A4-76 alarming at 111 step verses 164 steps, and critical step identifying N7 stuck prior to 125 steps. Both changes due to changing stuck rod height to 100 steps.</p> <p>Bulleted the Initial Conditions for ease of reading.</p> <p>Changed Handout to include pages 1-32 of 1OM-50.4.D2 for candidate ease of procedure review and P&amp;Ls.</p>
S2	<p>Added the following to step 14.</p> <p>YIC-1CH-113 Totalizer + 48 gal. = _____</p> <p>YIC-1CH-168A Totalizer + 300 gal. = _____</p>
S3	<p>No changes.</p>
S4	<p>Corrected typo in the instructor simulator setup notes to match the Initial conditions of the JPM for RCS pressure and temperature.</p>
S5	<p>Added additional Evaluator Note prior to starting JPM to set up IPC trend for SG A NR Range levels L0400A, L0401A, and L0402A on the lowest scan rate per Att. 18 step 2.</p> <p>Added Evaluator Cue for step 11.3 that another Operator will monitor for valve leakage.</p>
S6	<p>Removed Evaluator Cue from beginning of JPM, and added the following information to the Initiating Cue. “You are responsible for simulator alarms on the primary side of the plant. The BOP will respond to secondary alarms ONLY.”</p>

S7	<p>Modified Simulator Setup to reduce #1 EDG loading to &lt; 1200 KW to allow for a EDG shutdown without requiring a 10 minute load reduction.</p> <p>Combined JPM steps 12 and 13 to reduce EDG load to 200 KW, and deleted evaluator cue in step 12 pertaining to the 10 minute load reduction if loading is &gt; 1200KW.</p>
S8	<p>Evaluator Cue in JPM step 6 about NEITHER Unit 2 Control Room Pressurization Fan will start, was moved up earlier in the JPM.</p> <p>Modified JPM step 8 to include evaluator cues for directing Unit <sup>2</sup> <del>1</del> to perform 1/2OM-44A.4A.A step 6, or to accommodate the candidate directing step 6 step by step.</p> <p>JPM step 10.1 marked as N/A since candidate should disregard it based on procedure direction.</p>

**PLANT JPMs**

P1	<p>General: This JPM to be Pre-Briefed prior to entry into the RCA. No changes.</p>
P2	<p>No changes.</p>
P3	<p>Added JPM step 6 for reviewing the caution regarding EDG operation without cooling water.</p> <p>Added Evaluator Note/Cue in step 11 for the River Water supply valves for cueing purposes if the valves are verified open.</p>

## SIMULATOR Scenarios

Sim 1	<p>Event 1, slow failure rate to fail over 1 minute vice 45 seconds.</p> <p>Event 1, add scripting for actions if crew enters AOP 1.7.1.</p> <p>Event 2, add note/enhance script for Lead Evaluator to go to next event.</p> <p>Event 5, Remove action from occurring on a trigger, make at LE discretion.</p> <p>Allow rods to step in further before Urgent failure occurs, change trigger from 150 steps to 100 steps.</p> <p>Add trigger to trip Main Feedwater pump during event 5.</p> <p>Enhance wording for CT-52, better describing expected action required to meet Critical Task.</p> <p>Enhance scripting as to when to actuate local reactor trip.</p>
Sim 2	<p>Typo on page 6, replace percent sign (%) with "psig".</p> <p>Modify steam dump failures after cooldown is completed, Change original steam dump failure from 50% open to 95% open and add an additional steam dump failed at 100% open.</p>
Sim 3	<p>Page 14, add note describing that the 2<sup>nd</sup> EDG may be started IAW EOP Attachment 1-K.</p>
Sim 4	<p>Event 1, to prevent crew from performing an Emergency S/D, add ROLE PLAY scripting that Mechanical Maintenance can fix in Approximately 1 hour.</p> <p>Event 3, Fail control rods in AUTO, require RO to manually insert control rods.</p> <p>Event 7, Remove ramp from break, give contingency to insert break at LE discretion. Add ROLE PLAY as Shift Manager to "trip the reactor"</p>
Sim 5	<p>Event 5, change dropped rod from a Shutdown bank rod to Control Bank D, ensure dropped rod is in different quadrant.</p>