

## Operating Test Comments

### JPM Comments

\*SRO-U,-I,RO

A1-RO	Changed JPM step 9 cues from "ACB 2412 BUS ALIVE light is LIT..." and "ACB 2422 BUS ALIVE light is LIT..." to "BUS 241 BUS ALIVE..." and "BUS 242 BUS ALIVE...".
A2-RO/SRO	<p>Added "The examiner will provide approval signatures when required." to the Initiating Cue.</p> <p>Added cue before JPM step 1 "CUE: The reactor tripped at _____." (NOTE to Evaluator: Fill in the time as 5 minutes before the JPM start time.)"</p> <p>Change step 2 cue from "CUE: The SRO has signed step F.1.k." to "Evaluator Note: Sign step F.1.k as the SRO."</p> <p>Added step 3 cue "Evaluator Note: Sign step F.3.g as the SRO."</p>
A3-RO	<p>Added to Step 1 "and a calculator."</p> <p>Changed JPM step 3 Standard from "44.33 PSIG ((44 to 45 PSIG)" to "≤ 44.33 PSIG".</p> <p>Changed JPM step 5 to OC GDT is 4 X 10<sup>4</sup> CURIES (Had left off the "4")</p>
A1-SRO	Changed the Initial Conditions list of personnel to a table
A3-SRO	Removed from JPM step 10: " <b>Cue: Log entry made, by the U1 NSO, stating that this is an "planned entry"</b> " and "ENTER "Planned" in LOG".
A4-SRO	<p>Added new "2. Jay Eby, ext 2473, is originating the Containment Entry Checklist, BAP 1450-T2." to the Initiating Cues.</p> <p>Added "Jay Eby" and "2473" to JPM step 3 Standard.</p>
A5-SRO	Changed Plant Conditions step 4 " <a href="#">Annunciator 0-38-E5, "Accelerograph Accel High" is in alarm</a> and the National Earthquake Center reports it as a 0.3g seismic event" to separate steps: " <a href="#">Annunciator 0-38-E5, "Accelerograph Accel High" is in alarm</a> " and "The National Earthquake Center reports it as a 0.3g seismic event."
Sim/CRa	<p>Page 4 Added Close 1CV8149A-C, and 1CV459 and 1CV460. Close 1CV8105 and 1CV8106.</p> <p>Page 5 Added "Reactor Power is &lt; 99.5%" and "and BOTH letdown heat exchangers to for maximum cooling."</p> <p>Page 6 Changed "remains" to "stabilizes at"</p>
Sim/CRg	<p>Page 6 Changed generator output cue to 1245MW</p> <p>Page 7 Added NOTE to "When the candidate highlights the calorimetric calculation on the Alarm typer, direct the candidate to NOT select print, and provide the copy of the computer printout."</p> <p>Page 8 Inserted new step 11 to Highlight the calorimetric calculation on the Alarm Typer and select PRINT, and moved cue to Provide the printout to this step. Fixed typo (NI 41)</p> <p>Following pages Renumbered steps appropriately, including the critical steps. Renumbered the critical steps on the summary page 10.</p> <p>Page 9 Changed critical step 20 standard to 99.91% to 100.41%.</p>
IPi*	Added <b>CUE: (if asked): The MCR controllers for _AF005A-D on _PM06J indicate 0.</b> to

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	NOTE before JPM step 4.
IPj*	<p>Made the JPM specific for a 111 to 211 DC crossties. Filled in blanks to 211 or 111 as appropriate. Changed rev # to 4 and updated Revision Summary page.</p> <p>Changed JPM step 3 from “<i>Cue: The meter selection switch is in the ‘BUS’ position</i>” to “<i>NOTE: The meter will read the same voltage in either the Bus or Battery position.</i>”</p> <p>Removed “Select ‘Bus’ for the Bus Meter” from JPM step 3 standard.</p> <p>Removed Note before JPM step 7: “The last two steps may be performed in either order – the preference is to close DF1 on the Bus this JPM is being performed on LAST. If on U1 step F.1.h (JPM #8) is performed first and on U2 step F.1.g. (JPM #7) is performed first.”</p>
IPk*	<p>Made the JPM specific to Unit 1. Filled in blanks to make Unit 1 as appropriate. Changed rev # to 4 and updated Revision summary page.</p> <p>Removed Unit 2 locations from JPM step 1</p>

## Scenario Comments

Scenario 10-1-95% BOL; steamline break inside ctmt; faulted SG	<p>Page 3 Changed IOR to IMF Changed Plant Summary to Plant Status</p> <p>Page 4 Changed CD/CB-2 to CD/CB-1 Added IOR ZAO0IICS03PC 365 to event 3 to prevent candidate throttling OCW220 because of pump runoff</p> <p>Page 5 Added “and begin the ramp as soon as possible” to event 6</p> <p>Page 6 Made Verify with EO...and Check Oil Pressure OPEN Bullets as they are substeps of Starting the LO pump</p> <p>Page 8 Removed typo (“/” after RCP)</p> <p>Page 14 Changed boration amount to 240 gallons and rods to 178 steps to better match Rema.</p> <p>Page 17 Removed “for train B”</p> <p>Page 19 Changed to “1B CS pump is running” and Group 6 phase B lights “ALL LIT except CS PUMP A RUNNING light is NOT LIT</p> <p>Page 20 Inserted Page Break to keep Critical Task steps together on next page</p>
Scenario 10-2-12% BOL; SGTR; SI	<p>Page 1 Changed 14% to 12% and 154 steps to 147 steps. Added “The offgoing shift has just diluted 100 gallons” and “1A MDFP is OOS for maintenance.”</p> <p>Page 2 Changed 14% to 12% and 154 steps to 147 steps. Added “The offgoing</p>

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	<p>shift has just diluted 100 gallons” and “1A MDFP is OOS for maintenance.”</p> <p>Page 3 Added “Dilute 100 Gallons. Provide a boration/dilution log with 100 Gallons Dilution for Temperature Control to the oncoming crew. Provide 1BGP 100-3T1 initialed up to step 27.” Added Place C/O tags on the 1A MDFP C/S, its aux oil pump C/S, discharge valve C/S, and recirc valve C/S.</p> <p>Page 4 Added “1BGP 100-3” to event 1 and event 2 actions (typo)</p> <p>Page 6 Made turn on Synch Switch, Adjust Gen Volt and Adjust Gen speed OPEN Bullets Added “Adjust Feedwater Flow as needed”</p> <p>Page 7 Changed 1CV9149B to 1CV8149B</p> <p>Page 12 Added (1-10-D8) to PDMS inoperable; (1-10-B6) to RIL alarm; (OWS graphic 5501) to Turbine RB; and (BP 4.6) to C-7</p> <p>Page 14 Removed “for train B”</p> <p>Page 15 Inserted Page Break to keep Critical Task steps together on next page</p> <p>Page 17 Combined the steps to isolate steam flow and feed flow in one critical task. Bolded the critical steps and added note that (critical steps are bold)</p> <p>Page 18 Added “When necessary, bypass P-12 interlock using Bypass Interlock Switches A &amp; B”</p>
<p>Scenario 10-3-55% MOL; Primary Leak; ATWS</p>	<p>Page 4 Changed to “IMF TU01D 9 1200 6” and added “from an initial severity of 6”</p> <p>Page 9 Typo “T0402”</p> <p>Page 13 Added “and bypassed”</p>
<p>Scenario 10-4-95% BOL; Loss of FW</p>	<p>Page 8 Changed “raise” to “lower”</p> <p>Page 9 Changed 1CV9149B to 1CV8149B Added “Orifice Isol Valves” and “Letdown Isol Valves”</p> <p>Page 10 Changed 1CV8148A-C to 1CV8149A-C</p> <p>Page 11 Added “Recirc Valve”</p> <p>Page 15</p>

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<p>Scenario 10-5-100% EOL; Unisolable Primary Leak</p>	<p>Moved "Check at least 1 CV pump running"</p> <p>Page 1 Made MF TH08A 10 instead of 100 Removed TS call for events 4 and 6</p> <p>Page 4 Made MF TH08A 10 instead of 100</p> <p>Page 5 Changed leak size to 50 (per outline)</p> <p>Page 6 Removed Verify/place 1CV112A to VCT &amp; Verify/place 1CV129 to DEMIN Added step numbers Changed 1CV8402B to 1CV8401B Changed US step to Notify Rad Prot and Chemistry of change in CVCS lineup</p> <p>Page 9 Changed CREW actions to "Notify Chemistry to calculate decontamination factor of letdown demineralizer" &amp; "Notify Chemistry sample for DE I-131 and gross radioactivity" Added " May place AB Charcoal Booster Fans 0VA03CB and 0VA03CF in service"</p> <p>Page 11 Changed (0-37-e6) to (0-37-E6) Made step to evaluate TS 3.7.9 an OPEN BULLET</p> <p>Page 13 Added "Annunciator CNMT VENT ISOL (1-1-C5) is LIT" Changed Close 1CV8324A to Close 1CV8324B</p> <p>Page 14 Made step to evaluate TS 3.4.13 an OPEN BULLET</p> <p>Page 16 Remove "for train B"</p> <p>Page 18 Changed "IF the leak size hasn't been increased before reaching step 7" to "IF the leak size hasn't been increased before reaching step 17"</p> <p>Page 21 Changed 1SI8804A to 1CV8804A</p>
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