

Changes Requested by the NRC after Initial Exam Submittal

| Date | Test Item | Comment | Resolution |
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| 2/21/17 | Scenario 1 Event 2 | Delay CRD pump start until after the CRD accumulator trouble is received to make the Tech Spec entry clear | Added an instructor note to delay the pump start until the accumulator trouble is received. |
| 2/21/17 | Scenario 1 Event 3 | Change the wording for the CT action from lower power below 80% to $\leq 100\%$ power | Two steps added one for the CRS to direct and the other for the URO to perform actions to lower Reactor power $\leq 100\%$ power. |
| 2/21/17 | Scenario 1 Event 5 | Add a reference to SO 9A.7.G including expected step to be taken by the PRO | Steps added to state that the CRS may direct SO 9A.7.G but should follow-up with SO 9A.7.E |
| 2/2/17 | Scenario 1 Event 5 | The drop in RPV level will not be dramatic enough to require the candidate to take action. Revise the event to make the level drop require operator action or delete the event. | Could not modify the event to allow for a realistic operator response. Deleted event 5. Updated the D-1 and D-2 forms to Rev 001 |
| 2/2/17 | Scenario 1 Event 9 | Is the action to batch feed with a failure of the startup level controller procedurally driven? | OP-PB-1001-111-1001, "Strategies for Successful Transient Mitigation" has a section for Unit Reactor Operator Response to Reactor Scram. The section on Level control directs the operator to "Return a RFP to service and establish RPV level control using the start-up level controller (preferred) or a RFP discharge valve". Since T-101, "RPV Control" lists RCIC as an option it has been included as an option in Event 9 |
| 2/22/17 | Scenario 1 | Swap events 3 and 4 | Events 3 and 4 swapped |

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| 2/22/17 | Scenario 1 | Revise the ES-D-1 form to match the existing Scenario | Revised to match the scenario |
| 2/21/17 | Scenario 1 | Add the criteria to move to the next event into the "Operator Action" section of the SEG | Added |
| 2/2/17 | Scenario 2 Event 1 | This scenario has two Reactivity events (only one is required). Delete Event 1 | Deleted Event 1. Updated the D-1 and D-2 forms to Rev 001 |
| 2/21/17 | Scenario 2 | Add the criteria to move to the next event into the "Operator Action" section of the SEG | Added |
| 2/22/17 | Scenario 3 | Revise the ES-D-1 form to match the existing Scenario | Revised to match the scenario |
| 2/21/17 | Scenario 3 | Add the criteria to move to the next event into the "Operator Action" section of the SEG | Added |
| 2/22/17 | Scenario 3 turnover info | Direct the Crew that their first activity will be to cycle the HPCI Steam supply valve | Added |
| 2/22/17 | Scenario 3 Critical task | Add critical task "Shutdown the Reactor by depressing the manual Scram pushbuttons" | Added |
| 2/22/17 | Scenario 3 Critical task | Delete Critical Task "Open one-non-ADS SRV to compensate for the failure of an ADS valve to open during an Emergency Blowdown | Deleted |
| 2/2/17 | Scenario 3 Event 3 | Move the Stuck rod to control rod 34-19. Clear the stuck rod after the first adjustment of pressure. | Move the stuck control rod malfunction to rod 34-19. Revised the directions so the stuck rod is cleared after drive water differential pressure is raised 50 psid. Updated the D-1 and D-2 forms to Rev 001 |
| 2/2/17 | Scenario 3 Event 6 | Delete Event 6 | Event 6 deleted from Scenario 3. Updated the D-1 and D-2 forms to Rev 001 |
| 2/22/17 | Scenario 3 Event 8 New | Added for the scram failure | added |
| 2/22/17 | Scenario 3 Event 8 Old and 9 | Combine events 8 and 9 | Events combined |
| 2/2/17 | Scenario 5 Event 4 | Delete Event 4 | Event 4 deleted from Scenario 5. Updated the D-1 and D-2 forms to Rev 001 |

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| 2/22/17 | JPM 064P CR withdraw venting | <p>Include in the task standard the rod number and that the venting lineup must be done properly.</p> <p>Add to the task conditions that the candidate has a key to the EOP locker.</p> <p>Delete Step 1 to obtain a key to the EOP tool locker</p> <p>Make step 2(new step 1) (to open the tool locker) a critical step.</p> <p>Make step 2 a "Simulate"</p> <p>Make step 5 (new step 4)(place the hose into the floor drain) a critical step</p> <p>Split step 5 because taping the hose down is not critical</p> <p>Make Step 10 (obtain permission to vent) a critical step</p> <p>Make step 13 (MCR informs you that rod 26-15 is fully inserted) a critical step.</p> | Changes made |
| 2/22/17 | JPM 198P Defeat HPCI Torus swap | <p>Change estimated time to complete to 18 minutes</p> <p>Add to the task conditions that the candidate has a key to the key locker.</p> <p>Delete Step 1 to obtain a key to the EOP tool locker</p> <p>Make step 2(new step 1) (to open the tool locker) a critical step.</p> <p>Make step 2 a "Simulate"</p> | Changes made |
| 2/22/17 | JPM 154C Monitor cooldown | <p>Delete "of the procedure a copy to be provided to you." From section F</p> <p>Delete Section E, Directions to Examinee</p> <p>Give a 1 degree F range for the value in step 6.</p> <p>Change step 10 to not critical.</p> <p>Add initials to the data sheet for P/T curve compliance</p> | Changes made with the exception of Deleting Section E. Added a note to Section E for make reviewing this section optional. |
| 2/22/17 | JPM 61C DW Bulk average temp | <p>Add the following to the Task Standard "correctly perform RT calculation".</p> <p>Delete Section E, Directions to Examinee</p> <p>Modify the initiating cue to include, "identify any additional actions, if required, on the cue sheet".</p> <p>Add a range of 18.8 to 18.82 to step 1.</p> <p>Add a second acceptable answer to step 3 (71.8)</p> <p>Add a second acceptable answer to step 4 (10.6)</p> <p>Add a second acceptable answer to step 5 (4.6)</p> <p>Add a range of 162.95 to 163.03 to step 6.</p> | Changes made with the exception of Deleting Section E. Added a note to Section E for make reviewing this section optional. |

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| | | Add a non-critical step that determines that Step 6.2.2 in N/A | |
| 2/22/17 | JPM 204C Block the CRD pump | <p>Delete Section E, Directions to Examinee</p> <p>Change Task Conditions as follows, "The 2B CRD pump was removed from service due to high vibration. The 2A CRD pump is in service. Maintenance requires a tagout to perform shaft inspection of the 2B CRD pump. System breach is NOT required for the inspection".</p> <p>Change the initiation Cue as follows "Using M-356 sheet1 and E-8, the Control Room Supervisor directs you to identify the clearance points to develop a zone of protection to allow the inspection of the 2B CRD pump".</p> <p>Make step 3 non-critical</p> <p>Include the following blocking points, suction or discharge valve, breaker, seal flood cross connect, recirc to the CST, CRD pump discharge valve to recirc pump Seal purge.</p> | Changes made with the exception of Deleting Section E. Added a note to Section E for make reviewing this section optional. |
| 2/22/17 | JPM 092C everbridge | <p>Delete Section E, Directions to Examinee</p> <p>Revise JPM for new method to perform the activation in the Simulator mode (does not broadcast a message)</p> | Changes made with the exception of Deleting Section E. Added a note to Section E for make reviewing this section optional. |
| 2/22/17 | JPM 105P SLC injection | Replace | Replaced with JPM104P fire water injection |
| 2/22/17 | JPM 218C Thermal limit | <p>Change estimated time to complete to 15 minutes</p> <p>Delete Section E, Directions to Examinee</p> <p>Change the initiating to, "Assess the power ascension, by reviewing the 3D Monitor case (P-1) edit. Document any comments on the cue sheet. Include in your comments any procedure actions and/or Tech Spec or Technical Requirements Manual required actions."</p> | Changes made with the exception of Deleting Section E. Added a note to Section E for make reviewing this section optional. |
| 2/22/17 | JPM 354C Coolant leak test | <p>Add the word "Correctly" to the task standard.</p> <p>Delete Section E, Directions to Examinee</p> <p>Change the initiating Cue to "The Control Room Supervisor directs you to determine the Unit 2 reactor coolant leakage flow rate by performing steps 6.1.2 through 6.4 of ST-O-020-560-2, "Reactor Coolant Leakage Test," and</p> | Changes made with the exception of Deleting Section E. Added a note to Section E for make reviewing this section optional. |

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| | | <p>identify any follow-up actions, if required.”</p> <p>Change step 9 value to 2.375 or 2.38</p> | |
| 2/22/17 | JPM 252C AFTO | Delete Section E, Directions to Examinee | Added a note to Section E for make reviewing this section optional. |
| 2/22/17 | JPM 215C KI | Delete Section E, Directions to Examinee | Added a note to Section E for make reviewing this section optional. |
| 2/22/17 | JPM 135C Vent primary cont. | <p>Change F1 as follows, “An ELAP is in progress. In order to support continued RCIC operation due to high Torus Temperature, Containment venting is required.”</p> <p>Make steps 2 and 3 critical</p> <p>Add a note that allows the candidate to direct the Equipment to perform 4.2.3 through 4.2.12.</p> <p>Make steps 6-14 critical</p> <p>Add key number to step 17</p> <p>Add a note after step 17 that this is the transition point to Attachment 1</p> <p>Add key number to step 20.</p> <p>Add a note after step 22 that this is the return from Attachment 1 to step 4.2.17</p> <p>Add information about the standard key in step 25</p> | Changes made |
| 1/16/17 | JPM 355CA | Allow the candidate to drive one control rod before the failure occurs | Changed the JPM so that the first control rod in GP-9 will insert. When the second control rod is selected, the RMCS will fail and no rods can be inserted |
| 2/22/17 | JPM 355CA Insert rods | <p>Change references to inserting four control rods to five rods.</p> <p>Change task condition 1 to operation started in the MELLLA+ region prior to the transient.</p> <p>Make step 2 critical</p> <p>Fix the control rods to match the rod insertion sheet.</p> | Changes made |
| 2/22/17 | JPM 136C | Change the name of the switch to a pulser knob is step 8. | Change made |