

## **Millstone 3 Operating Test Comments**

### **Scenarios**

#### **NRC-01:**

Event 2: Add "Tech Spec entry."

Event 3: Indicate that instrument fails high.

Event 5: Add "Tech Spec entry." Is there a TS entry for loss of second MDAFWP?

Event 5: There are not many significant manipulations for the BOP.

Event 6: Reduce size of LOCA.

Event 7: Change to have one MSIV fail to automatically close.

On page 71/80, include approximate RCS pressure value instead of "XXXX."

On page 11/80, explain the significance of the third and fourth bullets with respect to plant/simulator differences.

#### **NRC-02:**

Event 1: Add "Tech Spec entry."

Event 2: Add "Tech Spec entry." This basically the same Tech Spec as Event 1.

Event 3: Specify SGTL size.

Event 3: Add "Tech Spec entry."

Event 4: Provide valve numbers of components needed to isolate the faulted SG.

Event 6: Modify steam line break ramp rate.

Event 7: Specify which HPSI components do not respond to SI signal.

#### **NRC-03:**

Event 2: Add "Tech Spec entry."

Event 4: Add "Tech Spec entry."

Event 8: Specify which CVCS components do not respond to SI signal.

#### **NRC-04:**

Event 2: Page 14 – delete OMOC prompt

Event 3: Add "Tech Spec entry."

Event 4: Add "Tech Spec entry."

Event 5: "Weak" component failure – not much action required by operators.

Event 5: Page 24 – delete OMOC prompt

Event 7: Reduce LOCA size.

## **Administrative JPMs**

### RO Admin JPMs:

- A.1.1: Last column on Attachment 1 of the procedure is incorrect.  
Add cue about NI channel recalibration to initial conditions.  
Provide data instead of using the simulator.  
Revise K/A as 2.1.19 addresses using the PPC which is not available.
- A.1.2: Provide entire procedures as references not just the necessary pages.  
Specify time from trip in cue.  
Clarify that SMM section is N/A.  
Key: step 4.2.5.a – Range should be -6.8 to -7.0  
Key: step 4.3.2 – Range should be negative  
Xenon correction log should 1047 ppm vs 1030 ppm and check range.
- A.2: Add cues on pages 5, 6, 7, 8, 12, 16, 17 to initial conditions.  
Page 9 cue – can't the applicants find the specific volume by themselves?  
Need to find a "cleaner" end point for JPM to avoid need for final cue.  
Find a way to end JPM at the final critical step.  
Key: Calc Table 3, Final specific volume should be 0.002258 vs 44.29.
- A.3: No comment.

### SRO Admin JPMs:

- A.1.1: Modify initiating cue: Who is eligible to come in and why are other not eligible?  
Correct step 5 – Operator 2 not Operator 5 (or Operator 1)  
Add dual response possible for Operator 5.
- A.1.2: Move cues from pages 5, 11, 15 to initial conditions  
In initiating cue, ask applicant to list actions to be taken.  
End at step 20.
- A.2: Modify end of JPM for clarity.
- A.3: Skip EP part of this JPM. Event is not classifiable.  
Move necessary cues to initial conditions.  
Have applicant calculate release rate and determine required notifications.
- A.4: Have applicant complete notification form to record his answers.  
Provide parameters not STA injects.  
Modify scenario for one release pathway from containment.

## **System JPMs**

### SCR JPMs:

- S.1: Terminate JPM at step 21 (AOP step 2.j) after emergency boration initiated.
- S.2: Add cue about another RO checking the PPC.
- S.3: No comment other than specific task standard may be needed.
- S.4: Correct key number for valve.
- S.5: Step 32 should be step 31. Modify step 25 to be less restrictive.
- S.6: No comment.
- S.7: No comment.
- S.8: Clarify critical time action.

### In-Plant JPMs:

- P.1: Add notes regarding valve locations for examiners.
- P.2: No comment.
- P.3: No comment.

## Millstone 3 Examination Outline Comments

### General Items

Are there 9 applicants (3,4,2) vs 14 (3,7,4)? Yes

Prep week 6/13/11? Yes Exam week 7/11/11? Yes

Written Exam? 7/18/11

Meet the applicants during prep week. Licensee will set up date & time.

### Admin JPMs

SRO A.4: Previous or modified? Previous

### System JPMs

Can any of the JPMs be paired to administer simultaneously in the simulator? Licensee will check.

S.1: Previous or modified (JPM has the same title as 2009 exam)? Modified.

S.3: JPM appears to belong in SF 4 (Heat removal)? Depressurizing to establish F & B.

S.8: Appears to belong in SF 8 (Plant Service – fire protection) versus 7 (Instr - RPS)? Fire Protection procedures direct a reactor trip and thus “hit” SF 7 for RPS.

### Scenarios

May need to use Scenario 4 since we did not use a low power scenario in the past two exams. Will revisit during prep week and license will revise 301-5&6 forms.

Scenario 1 Event 3 – This is not a TS call???? Control vs protective feature

Scenario 3 Event 1 – This is not a TS call???? Control vs protective feature

### Written Exam

Do you plan on having any questions which require references? About 3 SRO TS-related Qs.

SRO Tier 1 / Group 2: “X” Site specific KA??? How does this get factored into the selection?

SRO Tier 2 /Group 2: “Site specific AMSAC?? How is this factored in the selection?

Licensee incorporates SBO, AMSAC and weather-related AOPs in their selection process.