

Beaver Valley 1 Operating Test Comments (In-office review, prior to prep visit)

General JPM Comment: Remove "DIRECTIONS" from JPMs.

System JPMs

General comment: Ensure pre-briefing can be done for normal evolutions.

- S.1 None
- S.2 Ensure the applicants have time to review surveillance prior to entering the simulator.
JPM step 12 – Add Evaluator note to describe means to accomplish the task
- S.3 None
- S.4 None
- S.5 Ensure the applicants have time to review this procedure before entering simulator.
- S.6 None
- S.7 None
- S.8 Change JPM to have applicant respond to a failed IR detector.
- P.1 Will attempt to pre-brief JPM to expedite exam.
- P.2 This is a simplistic JPM that is essentially one step.
Replace with a more discriminating JPM.
- P.3 Second cue is incomplete.

Admin JPMs

General Comment: Including ranges (+ or -) if applicable for calculations.

- RO A.1.1 Include first paragraph of initiating cue into the initial conditions.
Provide plant data in initial conditions and applicant records & calculates.
Modify JPM to start at Step 8a.
- RO A.1.2 JPM step 3: What is the boron concentration? 900 or 750? Change to 900.
- RO A.2 None
- RO A.3 Initiating cue is leading (and make recommendations).
Change initiating cue to complete step 17.
- SRO A.1.1 Provide your evaluation/conclusions vs provide any recommendations.
- SRO A.1.2 Delete last sentence in initiating cue.

Provide each applicant with an entire copy of Tech Specs.
Add note to have applicant evaluate TS if he stops after finding the problem.

SRO A.2 None

SRO A.3 None

SRO A.4 Review/discuss on-site.

Scenarios

- 2 Why was emergency boration event removed from draft scenario?
Removed due to time and overlap with JPM as determined during validation.
- 2.5 Similar to EOP entry condition as Scenario 1. Check during prep visit.
Symptoms different. Also, Scenario 1 was designated as spare.
- 3.1 Similar to 2.2. Justify why this is not a repeat item?
Failures are similar but do affect different aspects of RCS pressure control.
- 3.4 Consider 10 minute ramp to ensure opportunity for reactivity manipulation.
Check during prep visit.

Summary of Operating Exam Changes for BVPS Unit 1 Exam due to walkthrough comments (1LOT8)

Week of 3/12/12 – NRC Ops Validation Changes incorporated as noted below.

ADMIN JPM's

RO A.1.1

Added a band and removed bold print to critical steps (Initial/Final Void Volume).

RO A.1.2

Added “emergency boration is an acceptable answer” (step 8)

RO A.2

No changes to this JPM.

RO A.3

Added the word ALL to initiating cue and “assume independent verifications are completed in sequence” to initial conditions.

SRO A.1.1

Modified Initiating Cue to add “used in determination, citing specific procedural steps, if any”. Enlarged recommendation box on candidate direction sheet.

SRO A.1.2

Bolded and underlined the evaluator cue (step 2).

SRO A.2

Added the word ALL to initiating cue. Modified procedural place-keeping to include the completion of SDP Test for 1RH-P-1A and modified initial conditions to state that SDP test was performed.

SRO A.3

No changes to this JPM.

SRO A.4

Modified JPM to focus specifically on the PAR and made more realistic by using initial notification form. Updated outline to reflect JPM name change.

SIMULATOR JPM's

S1:

No changes to this JPM.

S2:

Enhanced note prior to step 12 and changed it to an evaluator cue that provides candidate guidance on EDG shutdown if requested.

S3

No changes made to the JPM. We did resnap the IC to ensure Adverse Containment conditions existed (> 5 psig) to avoid any questions when applying the subcooling attachment.

S4

No changes to this JPM.

S5

Added non critical step 11.3 to verify fan dampers begin to reposition.

S6

No changes to this JPM.

S7

No changes to this JPM.

S8

Changed step numbers referenced in last evaluator note to correct JPM steps.

IN-PLANT JPM's

P1

Enhanced evaluator cue prior to step 5.3 to note an air/water mixture.

P2

Added 12 o'clock position to step 1.1. Added evaluator note after step 1.4 to clarify matching targets is not required. Clarified Evaluator Cue in step 7 to specify upper red light.

P3

Made Step 5 non-critical and adjusted prior to step 4 to reflect this change.

SCENARIOS

Generic Scenario enhancements

- Bolded critical task descriptions.
- Added specific expected Reactor trip criteria for events that require manual control.
- Added specific DNB Technical Specification parameters.
- All RCP trip and PORV events were evaluated to ensure the operator actions were significantly different.

Scenario 1

Closed steam supply MOV to turbine driven Aux feed pump in simulator setup to support pump being OOS as given on turnover.

Enhanced direction for inserting Event 4 when SRO enters TS for Event 3, based upon lead evaluators discretion.

Scenario 2

Bolded all actions required to meet Critical Task E-3.A.

Corrected simulator commands to ensure no PORV's will operate when attempting to depressurize in SGTR procedure.

Scenario 3

Modified Turnover information regarding Automatic rod control being OOS.

Added simulator pre-load to inhibit automatic rod movement.

Event 1, added specific Pressurizer pressure trip criteria of 2100 psig low and 2340 psig high.

Event 5, to ensure a measurable power reduction is observable, the dropped rod trigger setpoint changed to occur at 215 steps vice 220 steps on Bank D.

Added additional potential exit point for FR-H.1

Scenario 4

Event 2, change to BOP normal evolution vice ATC normal evolution.

Event 3, stuck control rod, Added additional scripting if crew initially enters AOP for Rod Position Indication Malfunction.

Event 4, Added specific S/G level trip criteria of 25% low and 85% high.

Event 6, Modified role play, report in as a field operator at the lead evaluators discretion.