★- compromised 8/28/13 needs replaced (book accidently left in classroom)

STP 09/2013 OPERATING TEST COMMENTS



## Scenario 1

Pg. 4- Add boration & turbine setpoints Pg. 17- delete "criteria will NOT be met"

Pg. 13- Add EHC Level - (CT) Isolate SG should be a CT. Change order of instrument malfunctions to have SG malfunction first Revise PORV CT to "isolate prior to exiting E-0"

JPM S-1

Pg. 7- add increased flow band

JPM S-2 ★

Pg. 7- ensure 480v load center breakers will shut (possible SIM problem)

Pg 7- Add note regarding minimum ccw flow; Why Ecw pump start w/dsch valve no pwr?

JPM P-1 - end JPM after placing system in service

JPM P-2 Pg. 5- add status lights cue → gauges read "as is", Terminate JPM at 8C

JPM P-3 Check voltages locally (not in CR). End JPM after last CT

Add cue to obtain wrench - cue that only one train needs to be done.

— Run P2/P3 together w/ each examiner on separate units —

## Scenario 2

Pg. 10- add note that VCT level MAY NOT get below 28%

Pg. 12- station cooling ΔT - sbw ramp rate and stop increase once alarm comes in.

Pg. 21- Isolating Ruptured/Faulted SG is a CT

Pg. 26- Add boration value from table.

## Scenario 3 ([redacted])

Pg. 13- Change turbine load reduction to 12%; Change boron to ~120 gallons

Pg. 16- put time delay in the "notes" section. - Change TS case to just "b"

Pg. 21- Depressurize SG's to <1000# is critical task.

## Scenario 4

Pg. 6- Add "examiner followup TS" in notes section. (in bold)

Pg. 13- Condensate Pump 11 trips and 12 will not start (Event Description)

Pg. 17- Delete 415 psig on LITS1 pump flow criteria

Pg. 12 TS- add condition d to TS 3.8.8.1b. (ACTION) (SWAP EVENTS 3&4)

Scenario 5 ★

Event 2 is just a TS call. Not an instrument failure (no action required)

Pg. 14 - Add range of boric acid amount needed for power reduction.

Pg. 13 - ensure winding temp higher than oil temp.

Pg. 16 - put time limit on EDG PTL.

JPM S-4 - OK JPM S-3 - OK

★ ADMINS - need room split so 2 groups can be going at once.

JPM A1 - change loop ΔT pwr and OP ΔT stpts to be realistic numbers

JPM A-2 : OK JPM A-3 - handswitch position should be stop (not off)

added note that if boundary expanded, post evaluate on case by case basis

JPM A-4 - show on cue this is time critical.

★ Perform A4 & A9 at same time (1st) ★

→ Add "this is a drill" in initiating cue.

JPM A-5 ! Pg 13 - change Tave to 592 + recalculate average

JPM A-6 : use Conduct of Ops procedure (not specific handout). - RO do STA change to critical. (2nd bullet pg. 5)

JPM A-7 - OK JPM A-8 ; Change initiating cue to ask for amount of total annual exposure extension necessary and whose approval is required,

JPM A-9 - specify to identify points for e-plan determination. (9 pts)
- use book, not specific handout.

JPM S-5 - no cue on step 6 ; no cue on step 13 ; step 12 - add cue "2 min. has elapsed"

JPM S-6 - OK, but ★ S5 and S6 cannot be run at same time ★

JPM S-7 - OK JPM S-8 - end after step 11 (secure A HHSI pump 1A)

can be run concurrent, but staggered.

STP 09/2p13
OPERATING TEST COMMENTS

"New" Scenario 5 (validated 9/19/13)

- Pg. 12 - Rods MAY be inserted in "auto" based on plant conditions
- RCP "C" needs to be secured within 5 MIN. following verification of Rx trip (new CT).

"NEW" JPM S-2 (Validated 9/19/13)

- END JPM after performance step 15

"New" JPM S-3 (9/19/13)

- ADD NOTE AFTER Performance step 2 to indicate which supply and exhaust fans are running

"New" JPM S-4 (9/19/13)

- No comment