

**EXAM CHANGES REQUESTED BY NRC AND  
INCORPORATED INTO THE DECEMBER 2007 OPERATING  
EXAM FOR THE DUANE ARNOLD ENERGY CENTER INITIAL  
EXAMINATION - DECEMBER 2007**

## DAEC 2007 Validation Week Operating Exam Changes – 11-28-07

The following changes/enhancements were requested by the NRC and incorporated into the December 2007 Operating Exam.

### Scenario #1

- Event #1 – added more specific operator action steps for placing Feedwater & Condensate pumps in service.
- Event #2 – added more specific operator action steps for raising reactor power with Recirc.
- Event #5 – added more specific operator action steps for placing Well Water pump in service.
- Event #6 – added more specific operator action steps for transferring reactor water level control channels and transferring non-essential power to the startup transformer.

### Scenario #2

The ES D1 form was changed as required to address any event changes noted below.

- Deleted Events 6 and 8 – These were deleted because there were sufficient additional events to evaluate the operators throughout individual scenario sets (ES 301-5 provides detail).
- Deleted a critical task due to deletion of events 6 and 8. The scenario now has 2 critical tasks.
- Event #4 – added more specific operator actions for reducing reactor power with Recirc.
- Event #5 – Changed malfunction to FRV fails “as is”. Event is now timed to occur coincident with Event #3.
- Events #6 and #7 – added SRO/BOP actions to direct/install Defeats 4, 11 and 17.
- Event #7 – added more specific operator actions for placing drywell spray in service.

### Scenario #3

The ES D1 form was changed as required to address any event changes noted below.

- Event #1 – added more specific operator action steps for swapping CRD pumps.
- Event #2 – added BOP action step to crack open MO-2723 per ARP.
- Event #3 – added more specific operator action steps for re-starting the CRD pump.
- Event #5 – added more specific operator action steps to reduce Recirc flow and lower power.
- Event #7 – added more specific operator action steps for terminating and preventing injection and for placing Suppression Pool cooling in service.
- Event #8 – changed event to feedwater FRVs lockup during terminate & prevent injection evolution.

## ADMIN JPMs

General – Added the following to all 5 JPMs Initiating Cues – ‘This is NOT a time critical JPM”

- ADMIN COO1 – no changes
- ADMIN COO2 – Changed critical task criteria to identifying 4 out of 4 TS related issues. One additional OOS item is not critical
- ADMIN EC – no changes
- ADMIN RC – no changes
- ADMIN EP – added additional cueing and role play information for steps related to communicating with offsite agencies.

•

## SIMULATOR JPMs

- JPM #'s 1,2,5,7 – no changes
- JPM #3 – added malfunction to close the RHR crosstie valve in order to have a more controlled RPV floodup during the level restoration steps of the JPM.
- JPM #4 – added examiner note prior to step #12 in regard to the start of alternate path steps.
- JPM #6 – added critical step to reposition the Flow Unit Rod Block Bypass Switch

## IN PLANT JPMs

- JPM #'s 1 and 3 – no changes
- JPM #2 – added more specific operator action steps for resetting the DG overspeed trip and for disengaging the clutch.