

INITIAL SUBMITTAL OF WALKTHROUGH JPMS

FOR THE POINT BEACH EXAMINATION - WEEKS OF OCTOBER 16 AND 23, 2000

PERFORM A REACTOR SHUTDOWN

K/A REFERENCE: 001 K4.01 (3.5/3.8)
(NUREG-1122) 001 K4.08 (3.2/3.4)
001.K4.02 (3.8/3.8)
001 K5.10 (3.9/4.1)
001 K5.65 (3.2/3.6)
001 A2.11 (4.4/4.7)
001.A4.03(4.0/3.7)
001.AA2.05 (4.4/4.6)

ALTERNATE PATH JPM X YES NO

PERFORMANCE CHECKLIST:

SATISFACTORY - Properly performed and/or in sequence (if applicable)

UNSATISFACTORY - Improperly performed and/or out of sequence (if applicable)

X Procedure adequately addresses task elements.
Enter identifier here: AOP-6C, Rev. 9, OP-3B, Rev. 30

Other document adequately describes necessary task elements.
Enter identifier here:

X Task elements described as attached.

DESIRED MODE OF EVALUATION:

APPLICABLE EVALUATION SETTING:

SIMULATE/WALKTHROUGH X DISCUSSION PERFORM X IN-PLANT CONTROL ROOM X

VALIDATED TIME FOR COMPLETION: 12 MINUTES

PERFORM A REACTOR SHUTDOWN

EXAMINEE _____ EVALUATOR _____

START TIME _____ FINISH TIME _____

PERFORMANCE SAT UNSAT

JOB TITLE: AOT COT SRO STA

TOOLS/EQUIPMENT/REFERENCES:

AOP-6C, Rev. 9 "Uncontrolled Motion of RCCA(s)"
 OP-3B, Rev. 30 "Reactor Shutdown"

TASK STANDARDS:

While performing a reactor shutdown, uncontrolled rod motion is recognized and corrective actions are taken in accordance with AOP-6C.

SIMULATOR INFORMATION:

TIME	FAIL	COMP.	OPTION	VALUE	RAMP	DELAY	ACT	COND
--:--:--	IC-15	< 5%	Steady State Xenon increasing					
	OVERRIDE (switches)	CRF9C	1				D	--- (Fails switch to manual)
	OVERRIDE (switches)	CRF10A	1 (OFF)				C	JCRFIN (Fails switch to out when signal to drive in)
	OVERRIDE	INDICATORS	PCS31	UNIT 1				
	OVERRIDE (switches)	CRF10B	2 (ON)				C	JCRFIN

Note: Power needs to be adjusted to <2% to meet OP-3B prerequisites. **ENSURE ROD STEP COUNTERS ARE ON or adjust Bank D demand to 152 steps. CHECK to ensure audio multiplier in 10X position.**

NOTE: If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

PERFORM A REACTOR SHUTDOWN

READ AND PROVIDE TO THE EXAMINEE

THIS SECTION IS READ ONCE FOR THE ENTIRE PACKAGE OF JPMS. IT IS NOT REQUIRED TO REVIEW THIS SECTION FOR EVERY JPM BEING PERFORMED IN THE PACKAGE. THE INITIAL CONDITIONS AND INITIATING CUE(S)/TASKS TO BE PERFORMED SHOULD BE READ AND THEN PROVIDED TO THE EXAMINEE.

After I read you the initial conditions and initiating cue(s)/task to be performed for this JPM and provide you a copy of the same, you may review and begin. Once you have completed the task, indicate completion by handing back this form to the evaluator unless otherwise told.

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

For all two and three-way communications, make your report to me, the JPM evaluator. I will reply to your reports with the statement, "acknowledge." All actions in the plant are to be simulated and all actions in the simulator will be performed. Ensure you make it clear to me, the evaluator, of all actions you are taking so that credit may be given for completing each step of the task.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

Unit 1 has been shutdown at 1%/min in accordance with OP-3A, "Normal Power Operation to Low Power Operation" due to entry into Tech Spec 15.3.0.A. Currently power level is <2% and all the initial conditions of OP-3B, "Reactor Shutdown" have been completed. BOP Operator will maintain the secondary plant and respond to any secondary plant alarms which may Occur.

INITIATING CUE(S) / TASK TO BE PERFORMED (SIMULATED):

You are directed by the DSS/DOS to perform a normal shutdown of Unit 1 reactor in accordance with OP-3B, "Reactor Shutdown," Step 4.2.

PERFORM A REACTOR SHUTDOWN

PERFORMANCE INFORMATION

NOTE: *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

START TIME _____	STEP/SEQUENCE/CRITICAL	SAT _____
	1 1 N	UNSAT _____

ELEMENT: Proceed to Attachment A to perform a normal reactor shutdown.

STANDARD: Recognize initiating cue requires a normal reactor shutdown and initial Step 4.2.1.

CUE: A normal reactor shutdown is to be performed.

COMMENTS:

	STEP/SEQUENCE/CRITICAL	SAT _____
	2 2 N	UNSAT _____

ELEMENT: Align the NIS recorder to (NR45) to the intermediate range channels:

1) N-35

2) N-36

STANDARD: NR-45 aligned to N-35 and N-36 and initialed in procedure.

CUE: NR-45 is aligned to N-35 and N-36

COMMENTS:

	STEP/SEQUENCE/CRITICAL	SAT _____
	3 3 N	UNSAT _____

ELEMENT: Place NR-45 in fast speed.

STANDARD: NR-45 drawer pulled out and D/P switch on left side of recorder moved to the fast speed position.

CUE: NR-45 recorder moving in fast speed (or as indicated on simulator)

COMMENTS:

PERFORM A REACTOR SHUTDOWN

PERFORMANCE INFORMATION

NOTE: *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

STEP/SEQUENCE/CRITICAL
4 4 N

SAT _____
UNSAT _____

ELEMENT: Completely read Step 5.0 and its substeps to determine actions required during reactor shutdown.

STANDARD: Trainee should read through Step 5.0 and its associated substeps.

CUE: Step 5.0 and associated substeps have been reviewed.

COMMENTS:

STEP/SEQUENCE/CRITICAL
5 5 Y

SAT _____
UNSAT _____

ELEMENT: Commence insertion of the control banks using MANUAL rod control mode.

STANDARD: Shim switch placed in the Rods In position.

CUE: Control bank rods are moving out (or as indicated on simulator)

COMMENTS:

STEP/SEQUENCE/CRITICAL
6 6 Y

SAT _____
UNSAT _____

ELEMENT: Recognize control bank rods are moving out versus in.

STANDARD: Recognize improper rod motion and let go of shim switch.

CUE: Control rod banks continue to move outward (or as indicated on simulator)

NOTE: *Trainee may inform DOS and make recommendation to trip or tell the DOS that he is performing a manual reactor trip. If asked, DOS directs AOP-6C actions to be completed. In either case, it is critical that the operator recognizes rods are moving improperly in the wrong direction and ultimately a reactor trip is required to terminate the outward motion.*

COMMENTS:

PERFORM A REACTOR SHUTDOWN

PERFORMANCE INFORMATION

NOTE: *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

STEP/SEQUENCE/CRITICAL
7 7 Y

SAT _____
UNSAT _____

ELEMENT: Manually trip the reactor.

STANDARD: Press both red reactor trip pushbuttons on 1C04, prior to any automatic reactor protection actuation.

CUE: All rod button lights are lit, IRPI's indicate rods are on the bottom, IR power level lowering, and SUR is negative.

NOTE: *Once reactor is verified tripped, inform trainee that the JPM is complete. NR Chart Recorder should be placed back in slow speed by booth operator to conserve paper.*

COMMENTS:

TERMINATION CUE: THIS COMPLETES THIS JPM.

COMPLETION TIME: _____