

NUCLEAR POWER BUSINESS UNIT
TRAINING JOB PERFORMANCE MEASURES

JPM P010.010COT
Revision 0 DRAFT
July 11, 2000
TOTAL REWRITE

INITIATE AND SECURE LOW TEMPERATURE
OVERPRESSURE PROTECTION

K/A REFERENCE: 010-K4.03 (3.8/4.1)
(NUREG-1122) 010-A4.03 (4.0/3.8)

ALTERNATE PATH JPM _____ YES X NO

PERFORMANCE CHECKLIST:

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

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

X Procedure adequately addresses task elements.
Enter identifier here: OP-1A, Rev. 79

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: 10 MINUTES

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EXAMINEE _____ EVALUATOR _____

START TIME _____ FINISH TIME _____

PERFORMANCE ☐ SAT ☐ UNSAT

JOB TITLE: ☐ AOT ☒ COT ☐ SRO ☐ STA

TOOLS/EQUIPMENT/REFERENCES:

OP-1A, "Cold Shutdown to Low Power Operation", Rev. 79
Technical Specifications
Key for Enabling LT/OP

TASK STANDARDS:

Low temperature overpressure protection is activated.

SIMULATOR INFORMATION:

TIME	FAIL	COMPONENT	OPTION	VALUE	RAMP	DELAY	ACT	COND
	IC-8	Unit 1	Cool down in progress					
Note: JPM administrator should ensure plant conditions are established for the applicable mode and then FREEZE the simulator. This can be set up ahead of time.								
Danger Tag 1SI-866A								

NOTE: Instructor must adjust temperature and ensure LT/OP keyswitch position are appropriate for mode of JPM performance.

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.

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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 cool down in progress in accordance with OP-3C and RCS temperature is <380° F but >370° with RCS pressure 350-375 psig. OP-3C has been completed through step 4.10.4.

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

You have been directed by the DSS/DOS to continue to place the LT/OP system in service starting at OP-3C, Step 4.10.5 through 4.10.14.

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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: Ensure IRC-515, PORV block valve is open

STANDARD: IRC-515 verified open by checking red indicating light on

CUE: IRC-515 is open. (or as shown on simulator)

COMMENTS:

	STEP/SEQUENCE/CRITICAL	SAT
	2 2 N	UNSAT _____

ELEMENT: Ensure IRC-516, PORV block valve is open

STANDARD: IRC-516 verified open by checking red indicating light on.

CUE: IRC-516 is open (or as shown on simulator)

COMMENTS:

	STEP/SEQUENCE/CRITICAL	SAT
	3 3 N	UNSAT _____

ELEMENT: Ensure RC-430 control switch in "AUTO" position

STANDARD: RC-430 control switch in "AUTO" position.

CUE: RC-430 selected to "AUTO"

COMMENTS:

	STEP/SEQUENCE/CRITICAL	SAT
	4 4 N	UNSAT _____

ELEMENT: Ensure RC-431C control switch in "AUTO" position

STANDARD: RC-431C control switch in "AUTO" position

CUE: RC-431C selected to "AUTO"

COMMENTS:

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STEP/SEQUENCE/CRITICAL
5 5 N

SAT
UNSAT

ELEMENT: Check the bistable status light L/T/O/P PCV-430 is OFF (reset)
STANDARD: Trip status light "L/T/O/P 430 checked OFF (reset)
CUE: Status light for PCV-430 indicates reset (or as indicated on simulator)
COMMENTS:

STEP/SEQUENCE/CRITICAL
6 6 N

SAT
UNSAT

ELEMENT: Check the bistable status light "L/T/O/P PCV-431C" is OFF (reset).
STANDARD: Trip status light "L/T/O/P PCV-431C" checked OFF (reset).
CUE: Status light for PCV-431C indicates reset (or as indicated on simulator).
COMMENTS:

STEP/SEQUENCE/CRITICAL
7 7 Y

SAT
UNSAT

ELEMENT: Arm one train of LTOP by turning the key operated switch for RC-430 to ON
STANDARD: RC-430 key operated switch placed to ON
CUE: RC-430 key operated switch placed to ON
COMMENTS:

STEP/SEQUENCE/CRITICAL
8 8 N

SAT
UNSAT

ELEMENT: Verify red armed light LIT
STANDARD: Red armed light LIT verified
CUE: RC-430 red armed light is LIT
COMMENTS:

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	STEP/SEQUENCE/CRITICAL	SAT
	9 9 Y	UNSAT
ELEMENT:	Arm the second train of L/T/O/P by turning the key operated switch for RC-431C to ON	
STANDARD:	RC-431C key operated switch turned to ON	
CUE:	RC-431C key operated switch placed to ON	
COMMENTS:		

	STEP/SEQUENCE/CRITICAL	SAT
	10 10 N	UNSAT
ELEMENT:	Verify red light LIT	
STANDARD:	Red armed light verified LIT	
CUE:	RC-431C red armed light is LIT	
COMMENTS:		

TERMINATION CUE: This completes this JPM.

COMPLETION TIME: _____