

JOB PERFORMANCE MEASURE

UNIT: 2

REV #: 0

DATE: _____

SYSTEM/DUTY AREA: Auxiliary Feedwater

TASK: Steam Generator Feed Using AFW Pump 2P75

JTA#: 20065100601

KA VALUE RO: 3.4 SRO: 3.8 KA REFERENCE: 061 A2.04

APPROVED FOR ADMINISTRATION TO: RO: X SRO: X

TASK LOCATION: INSIDE CR: X

 OUTSIDE CR: _____ BOTH: _____

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform LAB: _____

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: X PLANT SITE: _____ LAB: _____

TESTING METHOD: SIMULATE: _____ PERFORM: X

APPROXIMATE COMPLETION TIME IN MINUTES: 15 minutes

REFERENCE(S): OP 2106.006 Rev 050-00-0

EXAMINEE'S NAME: _____ SSN: - -

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

_____ Start Time _____ Stop Time _____ Total Time

SIGNED _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

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THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS: Plant is in Mode 3, Main Feed Pumps and EFW Pumps have just been secured

TASK STANDARD: Feed SGs through EFW Train B. When 2P7B Discharge Valve (2CV-1038-2) handswitch is taken to OPEN its breaker will trip. THIS IS AN ALTERNATE SUCCESS PATH JPM.

TASK PERFORMANCE AIDS: OP 2106.006

SIMULATOR INITIAL CONDITIONS:

Mode 3 with SG levels ~60 %.

Main Feed Pump tripped with Bypass Valves closed and recircs closed.

EFW pumps secured with all discharge MOVs closed.

2EFW-0706 and 2EFW-17 open.

Malf set for 2CV-1038-2 breaker trip when handswitch taken to OPEN

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INITIATING CUE:

The SS/CRS directs, “Feed SGs at 200 gpm each with AFW pump 2P75 through EFW Train B using OP2106.006 starting at step 12.10. CRS waives local verifications for start of 2P225 and 2P75”.

CRITICAL ELEMENTS (C): 10

PERFORMANCE CHECKLIST		STANDARDS	(Circle One)	
	1.	Start Auxiliary Lube Oil Pump (2P225).	On 2C02, placed handswitch 2HS-0766 to ON position. Observed red light ON and green light OFF.	N/A SAT UNSAT
	2.	Check amber light at (2P225) handswitch extinguished.	Checked amber light above handswitch 2HS-0766 extinguished	N/A SAT UNSAT
	3.	Start AFW pump (2P75).	On 2C02, started 2P75 by taking handswitch 2HS-0763 to START. Observed red light ON and green light OFF.	N/A SAT UNSAT
	4.	Check 2P75 discharge pressure ~1450 psig.	On 2C02, observed discharge pressure ~ 1450 psig on 2PIS-0763.	N/A SAT UNSAT
	5.	Stop Auxiliary Lube Oil Pump 2P225.	On 2C02, placed handswitch 2HS-0766 to OFF position. Observed red light OFF and green light ON.	N/A SAT UNSAT
	6.	Place 2HS-0766 in AUTO.	On 2C02, placed handswitch 2HS-0766 to AUTO position.	N/A SAT UNSAT
	7.	Verify 2P7A and 2P7B are secured prior to feeding SGs with 2P75.	Observed green light ON above 2P7B handswitch 2HS-0710-A1 on 2C17. Observed green light ON for 2CV-0340-2 on 2C16.	N/A SAT UNSAT
	8.	If feeding SGs and EFAS occurs, Then immediately stop 2P75.	Stated that he will stop 2P75 if EFAS occurs.	N/A SAT UNSAT
	9.	Monitor flow and verify in limits of step 5.10. Do NOT exceed 1000 gpm.	Read limits and stated CRS requested 200 gpm to each SG and this flowrate will not exceed limits.	N/A SAT UNSAT
(C)	10.	Verify 2P7B Discharge Valves (2CV-1038-2) and (2CV-1036-2) are open.	On 2C02, placed handswitch for 2P7B Discharge Valve (2CV-1038-2) to OPEN. Observes green light OFF and red light OFF. Reports that breaker tripped.	N/A SAT UNSAT

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PERFORMANCE CHECKLIST		STANDARDS	(Circle One)	
EXAMINEERS NOTE: Cue examinee as CRS. "Feed SGs through EFW Train A."				
	11.	Verify 2P7A Discharge Valves (2CV-1037-1) and (2CV-1039-1) are open.	On 2C16, placed handswitch for 2P7A Discharge Valves (2CV-1037-1) and (2CV-1039-1) to OPEN. Observed green light OFF and red light ON.	N/A SAT UNSAT
	12.	Crack open 2P75 to EFW Train A Flow Control Valve (2CV-0761).	On 2C02, placed handswitch for 2CV-0761 to OPEN until red and green light ON with valve position indicating ~10%.	N/A SAT UNSAT
	13.	Check the following to ensure 2P7A discharge stop-check valve is not leaking by: <ul style="list-style-type: none"> • 2P7A discharge pressure stable (2PIS-0713-2). • 2P7A Suct Press HI/LO alarm (2K05-E9) clear. 	Checked 2P7A discharge pressure (2PIS-0713-2) on 2C16 stable. Checked alarm 2K05-E9 clear.	N/A SAT UNSAT
	14.	Cycle 2P7A Discharge Valves (2CV-1026-2) and (2CV-1076-2) as desired to maintain SG levels.	On 2C16, placed handswitch for 2P7A Discharge Valves (2CV-1026-2) and (2CV-1076-2) to OPEN. Observed red light ON and green light OFF.	N/A SAT UNSAT
	15.	Adjust 2CV-0761 as necessary to maintain desired SG levels and 2P75 discharge pressure.	Modulated open 2CV-0761 to establish ~200gpm flow to each SG. Observed 2FIS-0718-2 to A SG and 2FIS-0713-2 to B SG on 2C16.	N/A SAT UNSAT
END				

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QUESTION

ANSWER

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EXAMINEE'S COPY

JPM INITIAL TASK CONDITIONS:

Plant is in Mode 3 and Main Feedwater Pumps and EFW Pumps have just been secured.

INITIATING CUE:

The SS/CRS directs, "Feed SGs at 200 gpm each with AFW pump 2P75 through EFW Train B using OP2106.006 starting at step 12.10. CRS waives local verifications for start of 2P225 and 2P75".