JPM NO JC076.007

Perform ATTACHMENT NO SW PUMPS

Revision #: 0

Review Date:

Location: Simulator

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

NOTE

THE EVALUATOR WILL EXPLAIN THE JPM INITIAL CONDITIONS AND PROVIDE CLARIFICATION AS REQUIRED. THE EXAMINEE MAY USE ANY CONTROLLED COPY REFERENCES THAT ARE NORMALLY AVAILABLE IN THE CONTROL ROOM, INCLUDING LOGS. MAKE ALL WRITTEN REPORTS, ORAL REPORTS, AND LOG ENTRIES AS IF THE EVOLUTION WAS ACTUALLY BEING PERFORMED. THE EVALUATOR WILL BE TAKING NOTES. ASK FOR CLARIFICATION OF JPM REQUIREMENTS PRIOR TO THE BEGINNING

Initial Conditions:

Option 1: The plant was at 100% power when all SW pumps tripped and could not be restarted. The crew tripped the Reactor. The E-0 immediate actions have been performed. The crew has just entered ES-0.1, "REACTOR TRIP RESPONSE."

Option 2: The plant was at 100% power when Alarm L-12, "Condenser Pit or Screenhouse High Level 6" was received followed by L-15 and L-23, "Bus 17/18 Undervoltage" and L-5, "Safeguard Bus Main Breaker Overcurrent Trip". The E-0 immediate actions have been performed. The crew has just entered ES-0.1, "REACTOR TRIP RESPONSE."

Initiating Cues :

The CRF directs you to perform Att-2.4 "ATTACHMENT NO SW PUMPS" while the rest of the crew continues with ES-0.1 "REACTOR TRIP RESPONSE".

Description: Respond to a Total Loss of SW

JPM Tasks

Task ID: 076-004-05-01

Task Standards

In accordance with the procedure

Tools :

Installed indication

Procedures

Installed switches/pushbuttons

Terminating Cues

Task Completion

References :

ID		Description	Review Date	Ref Flag
PRATT	ATT-2.4	ATTACHMENT NO SW PUMPS		☐

Safety Considerations :

Consequences of Inadequate Performance:

Equipment Damage

Thermal design limit challenge

Procedure Violation

General Comments :

Simulator setup with Reactor tripped from 100% power, Option 1 - All service water pumps tripped, Option 2 - bus 17 & 18 de-energized and both D/Gs running unloaded. (Malf CRC03A, 200,000; Malf EDS 04C, 04D)

Performance Checklist

1 **Element :** Cue

Conditions : CUE: Give examinee a copy of ATT-2.4 ATTACHMENT NO SW PUMPS.

Standards :

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

2 **Element :** Note - Steps 1 through 5 should be performed promptly to avoid equipment damage.

Conditions :

Standards : Ensure examinee reads note and performs steps in a prompt manner.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element : CRITICAL Trip both RCPs.

Conditions :

Standards : Locates control switches for RCPs and trips both RCPs

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*4 **Element :** CRITICAL Determine if any D/G running without alternate cooling.

Conditions : Option 1) No D/G running (Go to step 11)
Option 2) Both D/G running (Go to step 5)

Standards : Same as Element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*5 **Element :** CRITICAL Pull stop the affected D/G.

Conditions : D/Gs can be shutdown in any order.

Standards : Locates control switch for A D/G and takes switch to pull stop.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*6	**Element :** CRITICAL Immediately depress voltage shutdown pushbutton for A D/G	**Conditions :**	**Standards :** Locates voltage shutdown pushbutton for A D/G and immediately depresses pushbutton.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*7	**Element :** CRITICAL Pull stop the affected D/G.	**Conditions :**	**Standards :** Locates control switch for B D/G and takes switch to pull stop.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*8	**Element :** CRITICAL Immediately depress voltage shutdown pushbutton for B D/G	**Conditions :**	**Standards :** Locates voltage shutdown pushbutton for B D/G and immediately depresses pushbutton.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

9	**Element :** Directs an AO to align alternate cooling to both D/Gs using ER-D/G.2.	**Conditions :**	**Standards :** Contacts AO and directs AO to align alternate cooling to D/Gs per ER-D/G.2.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

10	**Element :** Determine if Bus 17 has been potentially damaged.	**Conditions :**	**Standards :** Based on initial conditions determines that Bus 17 has been possibly damaged, Directs AO to locally open breaker 1B3, B D/G Isol Bkr to Bus 17 in B D/G room.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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11 **Element :**
Close Letdown isolation, AOV-427

Conditions :

Standards :
Locates control switch for AOV-427 and places control switch in close.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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12 **Element :**
Close excess letdown, HCV-123

Conditions :

Standards :
Locates manual controller for HCV-123 and adjusts (or verifies) controller has "0" demand and no pressure indicated on PI-121.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*13 **Element :** **CRITICAL**
Close both MSIVs.

Conditions :

CUE: The other operator will control temperature using ARV's.

Standards :
Locates control switch for MSIVs (AOV-3517 & AOV-3516) and closes both MSIVs.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*14 **Element :** **CRITICAL**
Pull stop control switches for both MDAFW pumps.

Conditions :

Standards :
Locates control swithes for A and B AFW pumps and places both switches in pull stop.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*15	**Element :** **CRITICAL** Pull stop control switches for all four CNMT Recirc Fans.	**Conditions :**	**Standards :** Locates control switches for all four CNMT Recirc Fans and places switches in pull stop.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

16	**Element :** Pull stop control switches for both MFW pumps.	**Conditions :**	**Standards :** Locates control switches for both MFW pumps and places switches in pull stop.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

17	**Element :** Pull stop control switches for Condensate Pumps.	**Conditions :**	**Standards :** Locates control switches for Condensate pumps and places all three switches in pull stop.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

18	**Element :** Monitor CCW temperature.	**Conditions :** Option 1) Cue: No further actions	**Standards :** Monitors CCW temperature and determines temperature less than 125F. No action needs to be taken to stop CCW.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

19	**Element :** CUE: Report to examinee as AO that alternate cooling has been aligned to "A" D/G.	**Conditions :**	**Standards :** Examinee will acknowledge that alternate cooling has been aligned to "A" D/G and returns to step 2.e of Att-2.4.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

20 **Element :** Place "A" D/G control switch to Auto

Conditions :

Standards : Locates and places control switch for "A" D/G to AUTO.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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21 **Element :** Depress "A" D/G RESET and D/G FEILD RESET pushbuttons.

Conditions :

Standards : Locates and depresses the "D/G RESET" and D/G FEILD RESET" for "A" D/G.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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22 **Element :** Observe restart of "A" D/G

Conditions :

Standards : Observe/verify auto restart of "A" D/G by observing frequency and voltage on "A" D/G.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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23 **Element :** CUE: No further action.

Conditions :

Standards :

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag

JPM NO JR062.026

Restore Power to One Train from D/G per AP-ELEC.3

Revision #: 2

Review Date: 9/16/2004

Location: Simulator

Estimated Time (minutes): 14.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant is in a refueling outage. RCS Loop Level is currently 84 inches with RCS temperature less than 100 degrees. The plant has just experienced a loss of offsite power. D/G "A" started and loaded onto Bus 18, but did not load onto Bus 14. D/G "B" did not start, attempts to start from the MCB did not work. Procedure AP-ELEC.3, LOSS OF 12A AND/OR 12B TRANSFORMER (BELOW 350 DEGREES) has been entered.

Initiating Cues :

You have been directed to attempt to restore power to Bus 14 from D/G "A" per ER-D/G.1.

Description: Restore Power to One Train of AC Emergency Buses with Emergency D/G (CT ER

JPM Tasks

Task ID: 062-033-05-01A

Task Standards

Bus 14 energized by "A" Diesel Generator

Tools :

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PRAP	AP-ELEC.3	LOSS OF 12A AND/OR 12B TRANSFORMER (BELOW 350 F)		☐
PRER	ER-D/G.1	RESTORING D/GS		☐

Safety Considerations

Consequences of Inadequate Performance:

General Comments :

Start sim in IC-2, 84 inches, RHR inservice. Insert MALF GEN04B (TRIP ALL COND) for D/G "B". Insert MALF GEN09A to fail Bus 14 breaker Auto Close. Insert MALF EDS06 (FAST) for Loss of Offsite Power. Reset Control Room lights on inside MCB, ensure Service Water Pump has auto started, then freeze simulator to give Initial Conditions and Cue.

Performance Checklist

1	**Element :** Review procedure ER-D/G.1.	**Conditions :**	**Standards :** Determine Section 4.4 provides needed direction.
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
2	**Element :** Verify D/G "A" output voltage approximately 480 volts.	**Conditions :**	**Standards :** Check MCB indications for proper voltage.
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
3	**Element :** Check for bus fault indications.	**Conditions :** CUE: If examinee requests Electrician or AO to locally check bus; cue that no relays are tripped and no indications of damage are seen.	**Standards :** Check MCB alarm panels for fault indications, determine no faults other than loss of offsite power are indicated. (Annunciators L-5 and L-13 are main indications that no fault occurred.)
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
4	**Element :** Ensure all bus tie breakers are open.	**Conditions :**	**Standards :** Check MCB for open indications: - Bus 13-Bus 14 tie - Bus 16-Bus 14 tie
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
5	**Element :** Place Bus 14 normal supply breaker to after trip on MCB.	**Conditions :**	**Standards :** Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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6 **Element :**
Press Overcurrent Reset for Bus 14.

Conditions :

Standards :
Locate pushbutton (inside MCB).
Depress pushbutton.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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7 **Element :**
Check auto voltage control properly set.

Conditions :

Standards :
Verify Auto control selected on MCB selector switch.
Verify 480 volts output.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*8 **Element :** **CRITICAL**
Place D/G "A" synchroscope switch to Bus 14 position.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*9 **Element :** **CRITICAL**
Manually close D/G "A" feed to Bus 14.

Conditions :

CUE: No further action.

Standards :
Places D/G A feed to Bus 14 to close. Verifies breaker closes.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag

JPM NO JR026.001

Secure Containment Spray

Revision #: 6

Review Date: 9/15/2004

Location: Simulator

Estimated Time (minutes): 5.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant was operating at 100% power and experienced a large break LOCA followed by a reactor trip and SI. All necessary equipment functioned properly.

Initiating Cues :

The plant experienced a large break LOCA. All steps of E-0 and E-1 have been completed up to step 13. The Shift Supervisor directs you to secure Containment Spray per Step 13 of E-1.

Description: Secure Containment Spray (JR026.001)

JPM Tasks

Task ID: 026-008-05-01A

Task Standards

Secure Containment Spray Pumps and System.

Tools :

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PRE	E-1	LOSS OF REACTOR OR SECONDARY COOLANT		☐

Safety Considerations

Consequences of Inadequate Performance:

General Comments :

Any full power IC. MALF RCS02A, B, C or D (10 000). Complete E-0 and E-1 up to Step 13. Ensure spray energized and Cnmt pressure < 4 psig and NAOH Tank level < 55%. Use Indicator Override SIS37 and set NAOH Tank level to 50%. (IC-52)

Performance Checklist

1	**Element :** Obtain a controlled copy of E-1.	**Conditions :**	**Standards :** Same as element.
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
2	**Element :** Verify Containment Spray Pumps running.	**Conditions :**	**Standards :** Same as element.
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
3	**Element :** Verify Containment pressure less than 4 psig and NAOH Tank level less than 55%.	**Conditions :**	**Standards :** MCB meters
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
*4	**Element :** **CRITICAL** Reset Containment Spray.	**Conditions :**	**Standards :** Depress Containment Spray Reset pushbutton.
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
5	**Element :** Verify NaOH flow - no flow.	**Conditions :**	**Standards :** Check FI-930 no flow.
	Comments :		
	Satisfactory ☐	**Unsatisfactory** ☐	
	Element : **CRITICAL** Stop CS Pumps. Place switches in auto.	**Conditions :**	**Standards :** Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*7 **Element :** **CRITICAL**
Close spray isolation valves; MOV-860A, MOV-860B, MOV-860C, MOV-860D.

Conditions :
CUE: No further action.

Standards :
MCB switches to close.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
*13	Monitor If CNMT Spray Should Be Stopped:	
	a. CNMT spray pumps - RUNNING	a. Go to Step 14.
	b. Check the following: o CNMT pressure - LESS THAN 4 PSIG o Sodium hydroxide tank level - LESS THAN 55%	b. Continue with Step 14. WHEN BOTH conditions satisfied, THEN do Steps 13c through f.
	c. Reset CNMT spray	
	d. Check NaOH flow (FI-930) - NO FLOW	d. Place NaOH tank outlet valve switches to CLOSE. • AOV-836A • AOV-836B
	e. Stop CNMT spray pumps and place in AUTO	
	f. Close CNMT spray pump discharge valves • MOV-860A • MOV-860B • MOV-860C • MOV-860D	

JPM NO JC006.010

Perform SFP-RWST Attachment

Revision #: 4

Review Date: 9/16/2004

Location: Aux Bldg

Estimated Time (minutes): 15.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant experienced a LOCA outside of Containment. The LOCA cannot be isolated. Control Room transitioned from ECA-1.2, LOCA OUTSIDE CONTAINMENT, to ECA-1.1, LOSS OF EMERGENCY COOLANT RECIRCULATION.

Initiating Cues :

The CRF directs you to transfer water from SFP to the RWST using Attachment ATT-18.0, SFP-RWST.

Option 3: Transfer at the Maximum rate (Bypass SFP DIs)

Option 4: Transfer at Normal Rate (Through the SFP DI)

Description: Perform SFP-RWST Attachment (JC006.010)

JPM Tasks

Task ID: 005-017-05-04A

Task Standards

Tools :

Key

Safety Glasses

Hard Hat

Hearing Protection

Terminating Cues

Trainee Says Task is Completed
Task Completion

References :

ID		Description	Review Date	Ref Flag
PRATT	ATT-18.0	ATTACHMENT SFP - RWST		☐

Safety Considerations

Radiological Hazard

Consequences of Inadequate Performance:

Insufficient water for injection during a Loss of Emergency Coolant Recirculation.

General Comments :

Estimated Time is 15 minutes for Options 1 and 4. Option 2 adds 5 minutes. Option 3 adds 10 minutes.

Performance Checklist

1 **Element :**
Note

Conditions :
NOTE: Supply student copy of the attachment.

CUE: Simulate you have a locked valve key.

Standards :

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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2 **Element :**
Review attachment.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element :
Verify SPF Cooling Lineup.

Conditions :
CUE: A SFP Running
Option 1: Lower suction in service (Go to Step 11)
(Option 2:) Upper suction in service (Go to Step 4)

Standards :
Check SFP Pumps
Check SFP Suction Valves

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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4 **Element :**
Obtain copy of S-9A.
Review procedure.

Conditions :
CUE: Given Examinee Copy

Standards :
Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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5 **Element :**
Check SFP Level

Conditions :
Visual Inspection of Level

Standards :
Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

6	**Element :** Contact Control about TR 3.7.7 and 3.9.4	**Conditions :** CUE: Requirements are satisfied sign off Initial Condition	**Standards :** Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

7	**Element :** Determine Section 5.6 to be performed.	**Conditions :**	**Standards :** Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

8	**Element :** Verify Pool Temperature	**Conditions :** Check Pool Temperature < 115 deg F or call MCR to verify. CUE: Pool Temp 90 deg F	**Standards :** Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

9	**Element :** Check level above weir gate bracket	**Conditions :** CUE: Level above brackets	**Standards :** Checks level

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*10	**Element :** **CRITICAL** Open V-782	**Conditions :** Locate valve Simulator opening CUE: Valve no longer turns in that direction	**Standards :** Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

1	**Element :** **CRITICAL** Close V-781	**Conditions :** Locates valve Simulates closing CUE: Valve no longer turns in that direction	**Standards :** Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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12 **Element :**
Observe note.

OPTION #3 - Proceed to next step.
OPTION #4 - proceed to step 20.

Conditions :
CUE:
OPTION #3 = Transfer at maximum rate.

OPTION #4 = Transfer through SFP DI.

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*13 **Element :** **CRITICAL**
Unlock and close V-804.

Conditions :
CUE: Valve is unlocked. Valve no longer turns in that direction.

CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP HEAT EXCH AREA, ELEV 4

Standards :
Locate valve.
Simulate unlocking and closing.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*14 **Element :** **CRITICAL**
Open V-789.

Conditions :
CUE: Valve no longer turns in that direction.

CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP FILTER ROOM AREA, ELEV 1

Standards :
Locate valve.
Simulate opening valve.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*15	**Element :** Close V-790.	**CRITICAL**	**Conditions :** CUE: Valve no longer turns in that direction. CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP FILTER ROOM AREA, ELEV 1	**Standards :** Locate valve. Simulate closing valve.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*16	**Element :** Close V-796.	**CRITICAL**	**Conditions :** CUE: Valve no longer turns in that direction. CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP FILTER ROOM AREA, ELEV 1	**Standards :** Locate valve. Simulate closing valve.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*17	**Element :** Open V-797.	**CRITICAL**	**Conditions :** CUE: Valve no longer turns in that direction. CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP FILTER ROOM AREA, ELEV 5	**Standards :** Locate valve. Simulate opening valve.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*18	**Element :** Close V-798A.	**CRITICAL**	**Conditions :** CUE: Valve no longer turns in that direction. CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP FILTER ROOM AREA, ELEV 5	**Standards :** Locate valve. Simulate closing valve.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*19 **Element :** **CRITICAL**
Close V-802.

Conditions :
CUE: Valve no longer turns in that direction.

CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP FILTER ROOM AREA, ELEV 5

Standards :
Locate valve.
Simulate closing valve.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*20 **Element :** **CRITICAL**
Observe caution.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*21 **Element :** **CRITICAL**
Slowly open V-803 and close V-804.

Conditions :
CUE OPTION #4: Flow meter reads 60 gpm.

CUE OPTION #3: Valves no longer turn in that direction.

CUE BOTH OPTIONS: Secure transferring water to RWST.

CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP HEAT EXCH AREA ELEV 4 for both valves

Standards :
Locates valves.
Simulate unlocking and operating valves.
IF performing OPTION #4, indicate that meter is monitored (for 60 gpm flow)=

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*22 **Element :** **CRITICAL**
Close V-803.

Conditions :
CUE: Valve no longer turns in that direction.

CUE:(If student requests eSOMS location) eSOMS gives valve location at: AB INTER, SFP HEAT EXCH AREA, ELEV 4

Cue: No further actions

Standards :
Locate valve.
Simulate closing valve and locking.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM NO JC062.023

Dilute BAST following a Loss of All AC

Revision #: 2

Review Date: 9/14/2004

Location: Aux Bldg

Estimated Time (minutes): 18.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant experienced a loss of all AC. BAST temperature is 153 degrees Fahrenheit.

Initiating Cues :

The plant experienced a loss of all AC. The BAST is at 153 degrees Fahrenfeit. The Shift Supervisor directs you to dilute the BAST per ER-BA.1.
The Control Room has verified normal system alignment for steps 4.1.1 through 4.1.4, you are to begin actions at step 4.1.5. DO NOT MANIPULATE ANY EQUIPMENT.

Description: Dilute BAST Following LOSS OF ALL AC (JC062.023)

JPM Tasks

Task ID: 062-029-05-04B

Task Standards

In accordance with the procedure

Tools :

Safety Glasses

Hard Hat

Hearing Protection

Terminating Cues

Task Completion
Trainee Says Task is Completed

References :

ID		Description	Review Date	Ref Flag
PRER	ER-BA.1	BAST TEMPERATURE CONCERNS - LOSS OF ALL AC		☐

Safety Considerations

Radiological Hazard

Consequences of Inadequate Performance:

General Comments :

Radiation area entry required.
Handout copy of ER-BA.1.

Performance Checklist

*1	**Element :** **CRITICAL** Locate and open MOV-826A AND MOV-826C.	**Conditions :** CUE: (As each valve is manipulated) Valve no longer turns in that direction. (Cue for valve stem indication if examinee indicates observing for motion.) CUE: (If student requests eSOMS location) eSOMS gives valve location at: AB INTERMEDIATE EAST STAIRWAY AREA. ELEV (For V-826A): 4, (For V-826C): 6.	**Standards :** Simulate depressing declutching device and opening valve with handwheel.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*2	**Element :** **CRITICAL** Locate and crack open MOV-826B OR MOV-826D.	**Conditions :** CUE: (If goes in open direction) Valve stem moves. CUE: (If student requests eSOMS location) eSOMS gives valve location at: AB INTERMEDIATE EAST STAIRWAY AREA, ELEV (For V-826B): 4, (For V-826D): 6	**Standards :** Simulate depressing declutching device and opening valve with handwheel.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

3	**Element :** CUE for continuation	**Conditions :** CUE: If examinee monitors BAST overflow piping - Water flow is occurring. If examinee contacts Control Room - RWST level has decreased by 2%.	**Standards :**

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*4	**Element :** CRITICAL Close MOV-826B or MOV-826D (whichever was previously opened).	**Conditions :** NOTE: Order of closure for 826 valves is not critical. CUE: Valve no longer turns in that direction.	**Standards :** Simulate using handwheel to close the valve that was opened.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

*5	**Element :** CRITICAL Close MOV-826A AND MOV-826C.	**Conditions :** CUE: (For each valve) Valve no longer turns in that direction. CUE: (If student requests eSOMS location) eSOMS gives valve location at: AB INTERMEDIATE EAST STAIRWAY AREA. ELEV (For v-826A): 4, (For V-826C): 6 CUE: No further action.	**Standards :** Simulate using handwheels to close both valves.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag