

Job Performance Measure "E"

Facility: **Vogtle**

Task No: V-LO-TA-37003B

Task Title: Transfer AFW Pump Suction to Condensate Storage Tank 2

JPM No: V-NRC-JP-13610-HL17

K/A Reference: 061G2.1.23 4.3 / 4.4

Examinee: _____ NRC Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance _____ Actual Performance _____

Classroom _____ Simulator _____ Plant _____

Read to the examinee:

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

Initial Conditions: A reactor trip has occurred due to a feed water transient. A crane has impacted the CST 1 manway causing leakage. CST 1 level is 14%.

Initiating Cue: The SS has directed you to switch to alternate CST by initiating 13610-1, "AUXILIARY FEEDWATER SYSTEM".

Task Standard: Student transfers AFW pump suction to CST 2 with miniflows realigned to CST 2.

Required Materials: 13610-1,"Auxiliary Feedwater System" Ver. 49.0

General References: None

Time Critical Task: No

Validation Time: 10 minutes

SIMULATOR SETUP:

Simulator Setup:

1. Reset to IC # 215 for HL-17 NRC Exam.

Simulator Setup from Scratch:

1. Reset to IC # 14 (100% MOL).
2. Initiate manual Rx Trip
3. Throttle AFW flow to ~ 200 gpm per SG.
4. Isolate Demin makeup performing the following:

Place 1HS-5158 to CLOSE
Place 1HS-5162 to CLOSE

Note: Step 5 must be complete prior to doing step 6 or CST 1 will not override.

5. Drain CST 2 to 69% by performing the following:
 - a. Set Remote function. TK04a to 68%
 - b. Set Remote function TK04b to ON
 - c. When CST 2 indicates Set Remote function TK04b to Off
 6. Drain CST 1 to 14% by performing the following:
 - a. Set Remote function. TK03a to 14%
 - b. Set Remote function TK03b to ON
 - c. When CST 2 indicates Set Remote function TK03b to Off
 7. Acknowledge/reset alarms
 8. Freeze the simulator
- Setup time: 10 minutes

Performance Information

Critical steps denoted with an asterisk

Section 4.4.1 to transfer AFW suction to CST 2 selected.

Standard: Candidate selects section 4.4.1.

Comment:

NOTE

Independent Verifications performed in this Section should be documented on Checklist 3.

Standard: Candidate reads note.

Comment:

NOTE

Comply with the requirements of Technical Specification LCO 3.7.6 when in MODE 1, 2, and 3.

Standard: Candidate reads note.

Comment:

Step 4.4.1.1 To transfer Train A Motor Driven Auxiliary Feedwater Pump to CST-2, perform the following:

***a. Open CST-2 SPLY TO MDAFW PMP-A 1-HV-5119 using 1HS-5119A.
(IV Required)**

Standard: Candidate opens 1HV-5119 and signs "Performed By" space on Checklist 3.

Cue: IF CV requested, "CV request is noted."

Cue: IF IV requested, "IV is completed."

Comment:

Step 4.4.1.1.b. Unlock and Close MDAFW 3 SUCT FROM CST 1 1-HV-5095. (IV Required)

Standard: Candidate directs SO to unlock and close 1HV-5095.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.1 c. Unlock, open, and relock AFW MDAFW PUMP A RECIRC TO CST-2 1-1302-U4-185. (IV Required)

Standard: Candidate directs SO to unlock and open and relock 1-1302-U4-185.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.1.d. Unlock, close, and relock AFW MDAFW PUMP A RECIRC TO CST-1 1-1302-U4-180. (IV Required)

Standard: Candidate directs SO to unlock and close and relock 1-1302-U4-180.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.2 To transfer Train B Motor Driven Auxiliary Feedwater Pump to CST-2, perform the following:

- *a. Open CST-2 SPLY TO MDAFW PMP-B 1-HV-5118 using 1-HS-5118A. (IV Required)**

Standard: Candidate OPENS 1-HV-5118 and signs "Performed By" space on Checklist 3.

Cue: IF CV requested, "CV request is noted."

Cue: IF IV requested, "IV is completed."

Comment:

Step 4.4.1.2 .b. Unlock and Close MDAFW 2 SUCT FROM CST 1 1-HV-5094. (IV Required)

Standard: Candidate directs SO to unlock and close 1HV-5094.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.2. c. Unlock, open, and relock AFW MDAFW PUMP B RECIRC TO CST-2
1-1302-U4-184. (IV Required)

Standard: Candidate directs SO to unlock, open and relock 1-1302-U4-184.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.2. d. Unlock, close, and relock AFW MDAFW PUMP B RECIRC TO CST-1
1-1302-U4-181. (IV Required)

Standard: Candidate directs SO to unlock, close and relock 1-1302-U4-181.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.3 To transfer Train C Turbine Driven Auxiliary Feedwater Pump to CST-2, perform the following:

***a. Open CST-2 SPLY TO TDAFW 1-HV-5113 using 1-HS-5113A. (IV Required)**

Standard: Candidate OPENS 1-HV-5113 and signs "Performed By" space on Checklist 3.

Cue: IF CV requested, "CV request is noted."

Cue: IF IV requested, "IV is completed."

Comment:

Step 4.4.1.3. b. Unlock and Close TDAFW PMP SUCT FROM CST 1 1-HV-5093. (IV Required)

Standard: Candidate directs SO to unlock and close 1HV-5093.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.3 c. Unlock, open, and relock AFW TDAFW PUMP RECIRC TO CST-2
1-1302-U4-183. (IV Required)

Standard: Candidate directs SO to unlock, open and relock 1-1302-U4-183.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Step 4.4.1.3 d Unlock, close, and relock AFW TDAFW PUMP RECIRC TO CST-1
1-1302-U4-182. (IV Required)

Standard: Candidate directs SO to unlock, close and relock 1-1302-U4-182.

NOTE to examiner: Candidate will call or page Clearance and Tagging or directly to Outside Area Operator for manipulation of valve. Also, for the IV request and confirmation.

Comment:

Terminating cue: Student returns initiating cue sheet. Student informs SS that transfer of AFW pump suction to CST 2 is complete.

Verification of Completion

Job Performance Measure No. V-NRC-JP-13610-HL17

Examinee's Name:

Examiner's Name:

Date Performed:

Number of Attempts:

Time to Complete:

Question Documentation:

Question: _____

Response: _____

Result: Satisfactory/Unsatisfactory

Examiner's signature and date: _____

Initial Conditions: A reactor trip has occurred due to a feed water transient. . A crane has impacted the CST 1 manway causing leakage. CST 1 level is 14%.

Initiating Cue: The SS has directed you to switch to alternate CST by initiating 13610-1, "AUXILIARY FEEDWATER SYSTEM".