

**CLINTON POWER STATION**

**Job Performance Measure**

Reset a Recirc Flow Control Valve Lockout

JPM Number: 3302.0116

Revision Number: 00

Date: 7/30/03

Developed By:	<u>T. Pickley</u>	<u>7/30/03</u>
	Instructor	Date
Validated By:	<u>J. Anderson</u>	<u>10/17/03</u>
	SME or Instructor	Date
Review By:	<u>P. Ryan</u>	<u>8/18/03</u>
	Operations Representative	Date

## JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

**NOTE:** All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

- \_\_\_\_\_ 1. Task description and number, JPM description and number are identified.
- \_\_\_\_\_ 2. Knowledge and Abilities (K/A) references are included.
- \_\_\_\_\_ 3. Performance location specified. (in-plant, control room, or simulator)
- \_\_\_\_\_ 4. Initial setup conditions are identified.
- \_\_\_\_\_ 5. Initiating and terminating cues are properly identified.
- \_\_\_\_\_ 6. Task standards identified and verified by SME review.
- \_\_\_\_\_ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (\*).
- \_\_\_\_\_ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:  
Procedure Rev. \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ 9. Pilot test the JPM:
  - a. verify cues both verbal and visual are free of conflict, and
  - b. ensure performance time is accurate.
- \_\_\_\_\_ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- \_\_\_\_\_ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

CLINTON POWER STATION  
SYSTEM JPM

JPM NUMBER: 3302.0116

REVISION: 00

## Revision Record (Summary)

1. **Revision 00,**            This is a new JPM

CLINTON POWER STATION  
SYSTEM JPM

JPM NUMBER: 3302.0116

REVISION: 00

Operator's Name: \_\_\_\_\_ SSN: \_\_\_\_\_  
Job Title:  NLO  RO  SRO  STA  SRO Cert

JPM Title/Number: 3302.0116, **Reset a Recirc Flow Control Valve Lockout**

Revision Number: 00

Task Number and Title: 330201.16, Complete in plant actions to perform FCV Lockout/Reset

**Suggested Testing Environment:** Simulator

**Actual Testing Environment:**  Simulator  Plant  Control Room

**Testing Method:**  Simulate  Perform **Faulted:**  No  Yes  
**Alternate Path:**  No  Yes

**Time Critical:**  No  Yes

**Estimated Time to Complete:** 10 minutes **Actual Time Used:** \_\_\_\_\_ minutes

**References:** CPS 3302.01, Reactor Recirculation

**EVALUATION SUMMARY:**

Were all the Critical Elements performed satisfactorily?  Yes  No

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be:  Satisfactory  Unsatisfactory

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Evaluator's Name: \_\_\_\_\_

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

CLINTON POWER STATION  
SYSTEM JPM

**JPM NUMBER:** 3302.0116

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READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied.

**SIMULATOR SET-UP CONDITIONS:**

The simulator can be operating at any power with Recirc in operation. Manually lockout the B Recirc Flow Control Valve and then restart the HPU. Lower the Flow controller output to cause a 5%-10% Servo Error.

**TASK STANDARDS:**

The FCV lock out is reset.

**TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:**

None

**PROCEDURAL/REFERENCES:**

CPS 3302.01 Reactor Recirculation

**EVALUATOR INSTRUCTIONS:**

Amplifying cues are provided within the JPM steps.

**INITIAL CONDITIONS AND INITIATING CUE:**

The B Recirc Flow Control Valve was manually locked out to perform maintenance. The maintenance is complete and the HPU has been restarted. You are to reset the Flow Control Valve lockout.

**START TIME:** \_\_\_\_\_

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SYSTEM JPM

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**PERFORMANCE INFORMATION**

Critical steps are denoted with an asterisk (\*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

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**PERFORMANCE STEPS**

1. Maintain steady state power and balanced recirc loop flows, if possible, by adjusting the operable FCV.

Standard

No adjustment needed

CUE

Comments

SAT    UNSAT    Comment Number

2. Determine/correct the cause of the lockout from alarm indicators on 1H13-P614 and/or the annunciators on 1H13-P680.

Standard

Determines that annunciator 5003-4H is due to the manual lockout.

CUE

Comments

SAT    UNSAT    Comment Number

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3. Reset any FCV runback signal per section 8.4.2.

Standard

No FCV runback signal is present.

CUE

Comments

SAT    UNSAT    Comment Number

**\*4. Zero the A(B) loop SERVO ERROR.**

**Standard**

**Raises the Flow Controller output with the slide switch to Zero the SERVO ERROR**

CUE

Comments

SAT    UNSAT    Comment Number

5. Restore the HPU A(B) equipment to normal operation per CPS 3302.02, Reactor Recirculation Flow Control Hydraulic System.

Standard

The HPU is already running

CUE

Comments

SAT    UNSAT    Comment Number

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**\*6. Depress the A(B) FCV A/B Motion Inhibit Reset.  
Verify the lead HPU becomes operational, and FCV motion is no longer inhibited.**

**Standard**

**Depresses the B FCV Motion Inhibit Reset switch**

CUE

Comments Annunciator 5003-4H will reset and the Motion Inhibit light for FCV B will go out. If asked about the status of the B lead RR HPU, respond that it is in service.

SAT UNSAT Comment Number

STOP TIME: \_\_\_\_\_

**TERMINATING CUES:**

The B Recirc Flow Control Valve lockout is reset.

**K/A REFERENCE NUMBERS**

Importance Rating

<b><u>K/A SYSTEM NUMBER</u></b>	<b><u>K/A NUMBER</u></b>	<b><u>RO</u></b>	<b><u>SRO</u></b>
202002	A4.08	3.3	3.3

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**INITIATING CUE**

The B Recirc Flow Control Valve was manually locked out to perform maintenance. The maintenance is complete and the HPU has been restarted. You are to reset the Flow Control Valve lockout.