

CLINTON POWER STATION

Job Performance Measure

Turbine On Line Tests

JPM Number: 3812.0101

Revision Number: 00

Date: 7/31/03

Developed By:	<u>T. Pickley</u>	<u>7/31/03</u>
	Instructor	Date
Validated By:	<u>M. Griffin</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: 3812.0101

REVISION: 00

Revision Record (Summary)

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

CLINTON POWER STATION
SYSTEM JPM

JPM NUMBER: 3812.0101

REVISION: 00

Operator's Name: _____ SSN: _____
Job Title: ☐ NLO ☐ RO ☐ SRO ☐ STA ☐ SRO Cert

JPM Title/Number: 3812.0101, Turbine On Line Tests

Revision Number: 00

Task Number and Title: 381201.01, Complete Control Room actions to perform the Turbine Electrical Trip Test

Suggested Testing Environment: Simulator

Actual Testing Environment: ☒ Simulator ☐ Plant ☐ Control Room

Testing Method: ☐ Simulate
☒ Perform

Faulted: ☐ No
Alternate Path: ☐ Yes

Time Critical: ☐ No

Estimated Time to Complete: 15 minutes

Actual Time Used: _____ minutes

References:

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: _____

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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:

Any power level with the Turbine on line
Override the Backup Overspeed Trip Test Reset Push-Button after the first channel is reset.

TASK STANDARDS:

The Turbine is on line at the completion of the task.

Note: If the procedure is not stopped when the fault occurs, a Turbine trip and Reactor Scram will occur.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

None

PROCEDURAL/REFERENCES:

CPS 3812.01, Turbine On Line Tests

EVALUATOR INSTRUCTIONS:

Amplifying cues are provided within the JPM steps.

INITIAL CONDITIONS AND INITIATING CUE:

Perform sections 8.1 through 8.4 of CPS 3812.01, Turbine On Line Tests. All prerequisites are complete.

START TIME: _____

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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.

PERFORMANCE STEPS

8.1.1 Verify applicable prerequisites are met.

Standard

CUE

Comments Given in the initiating cue.

SAT UNSAT Comment Number

8.1.2 Observe the following:
 NORMAL light is ON
 RESET light is ON
 Remaining lights in ELECTRICAL TRIP TEST Group are OFF

Standard

CUE

Comments

SAT UNSAT Comment Number

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NOTE

The following Alarms and indications should be expected when the next steps are performed:

*Annunciator IH13-P680:
5007-1C Trouble EHC Syst*

*Status Lights on P680:
EHC STATUS - Electrical Malfunction
EHC STATUS – System Fault*

*Status Lights on IPA06J:
Electrical Malfunction
First Hit Detection
Elect Trip Solenoid Trip
Hit 1*

***8.1.3 Depress and hold START TEST push-button and observe the following:**

**NORMAL light goes OFF
LOCKED OUT light comes ON**

Standard

**NORMAL light goes OFF
LOCKED OUT light comes ON
CUE**

Comments

SAT UNSAT Comment Number

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***8.1.4 Release START TEST push-button and observe the following sequence:**

RESET light goes OFF, and

TRIPPED light comes ON

TRIPPED light goes OFF, and RESET light comes ON

LOCKED OUT light goes OFF and NORMAL light comes ON

Standard

RESET light goes OFF, and

TRIPPED light comes ON

TRIPPED light goes OFF, and RESET light comes ON

LOCKED OUT light goes OFF and NORMAL light comes ON

CUE

Comments

SAT UNSAT Comment Number

8.1.5 Reset all alarms that were caused by section 8.1 at the First Hit panel 1PA06J using guidance in CPS 3105.01 section 8.3.3.

Standard

CUE

Comments

SAT UNSAT Comment Number

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8.2.1 Verify applicable prerequisites are met.

Standard

CUE

Comments Given in the initiating cue.

SAT UNSAT Comment Number

***8.2.2 Depress and hold the No. 1 125 VOLT DC & 24 VOLT DC BACKUP OVERSPEED TRIP TEST push-button.**

Standard

Push-button is held depressed

CUE

Comments Given in the initiating cue.

SAT UNSAT Comment Number

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8.2.3 Observe the associated 125 VOLT DC and 24 VOLT DC lights come ON. (Upper and lower halves of push-button)

Standard

CUE

Comments

SAT	UNSAT	Comment Number
-----	-------	----------------

***8.2.4 Release the No. 1 125 VOLT DC & 24 VOLT DC BACKUP OVERSPEED TRIP TEST push-button. The two lights should remain ON.**

Standard

The two lights remain ON

CUE

Comments

SAT	UNSAT	Comment Number
-----	-------	----------------

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***8.2.5 Depress the RESET push-button and observe the associated 125 VOLT DC & 24 VOLT DC lights go OFF.**

Standard

The two lights go off

CUE

Comments

SAT UNSAT Comment Number

***8.2.2 Depress and hold the No. 2 125 VOLT DC & 24 VOLT DC BACKUP OVERSPEED TRIP TEST push-button.**

Standard

Push-button is held depressed

CUE

Comments

Given in the initiating cue.

SAT UNSAT Comment Number

CLINTON POWER STATION
SYSTEM JPM

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REVISION: 00

8.2.3 Observe the associated 125 VOLT DC and 24 VOLT DC lights come ON. (Upper and lower halves of push-button)

Standard

CUE

Comments

SAT	UNSAT	Comment Number
-----	-------	----------------

***8.2.4 Release the No. 2 125 VOLT DC & 24 VOLT DC BACKUP OVERSPEED TRIP TEST push-button. The two lights should remain ON.**

Standard

The two lights remain ON

CUE

Comments

SAT	UNSAT	Comment Number
-----	-------	----------------

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CAUTION

Do not perform any further BOST tests unless the circuit is reset, because a turbine trip will occur.

8.2.5 Depress the RESET push-button and observe the associated 125 VOLT DC & 24 VOLT DC lights go OFF.

Standard

The RESET push-button Depressed

CUE

Comments The lights will remain on. (does not reset)

SAT UNSAT Comment Number

* **Stop the test to prevent a turbine trip and inform the CRS.**

Standard

The test is stopped

CUE

Comments Further testing would cause a turbine trip and reactor scram.

SAT UNSAT Comment Number

STOP TIME: _____

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TERMINATING CUES:

The test is stopped.

K/A REFERENCE NUMBERS

Importance Rating

K/A SYSTEM NUMBER

K/A NUMBER

RO

SRO

241000

A4.19

3.5

3.4

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INITIATING CUE

Perform sections 8.1 and 8.2 of CPS 3812.01, Turbine On Line Tests. All prerequisites are complete.