

## CLINTON POWER STATION

### Job Performance Measure

Verify Conditions are met to Enter Mode 2

JPM Number: JPM113

Revision Number: 01

Date: 05/10/2011

Developed By:	<u>Tom Pickley</u>	<u>05/10/11</u>
	Instructor	Date
Validated By:	<u></u>	<u></u>
	SME or Instructor	Date
Reviewed By:	<u></u>	<u></u>
	Operations Representative	Date
Approved By:	<u></u>	<u></u>
	Training Department	Date

**Clinton Power Station**  
**Job Performance Measure (JPM)**

**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 and 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  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
00	02/25/09	Converted from old JPM
01	05/10/11	Updated procedure revisions

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

**TASK STANDARDS:**

- Identify discrepancies requiring resolution prior to entering Mode 2.

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

- None

**PROCEDURAL/REFERENCES:**

- CPS 3001.01, Approach to Critical, Rev. 25b
- CPS 3001.01C001, Preparation for Startup Checklist, Rev. 18a
- CPS 3001.01C002, Mode 2 Checklist, Rev. 16c

**EVALUATOR INSTRUCTIONS:**

- Present the completed copy of CPS 3001.01, CPS 3001.01C001, and CPS 3001.01C002 to the operator when the Initiating Cue is presented.
- Respond when required during the JPM as the Shift Manager.
- Amplifying cues are provided within the JPM steps.



**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

You have taken the shift as the CRS in Mode 4.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

Review procedures CPS 3001.01, Approach to Critical, CPS 3001.01C001, Preparation for Startup Checklist, CPS 3001.01C002, Mode 2 Checklist.

Identify and report to the Shift Manager all remaining actions required prior to entering Mode 2.

**NOTE TO EVALUATOR**

When the Initiating Cue has been read by the student and acknowledged, provide a MARKED UP copy of the following procedures to the student.

- Copy of completed CPS 3001.01, Approach to Critical, Rev. 25b
- Copy of completed CPS 3001.01C001, Preparation for Startup Checklist, Rev. 18a
- Copy of completed CPS 3001.01C002, Mode 2 Checklist, Rev. 16c

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

1. Reviews:
- 1) CPS 3001.01 Approach to Critical
  - 2) CPS 3001.01C001, Preparation for Startup Checklist
  - 3) CPS 3001.01C002, Mode 2 Checklist

Standard: Examinee begins review of completed:

- 1) CPS 3001.01 Approach to Critical
- 2) CPS 3001.01C001, Preparation for Startup Checklist
- 3) CPS 3001.01C002, Mode 2 Checklist

Cue: None

Comments

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

2. RCIC Inoperable

Standard: Operator identifies and reports that RCIC Inoperability does not impact plant startup, LCO 3.5.3. and may N/A Step 9.9 of CPS 3001.01C001.

Cue: If asked RPV pressure is 0 psig.  
When reported to, acknowledge the report.

Comments Not required to be Operable until 150 psig.

SAT ☐          UNSAT ☐          Comment Number \_\_\_\_\_

**\*3. All divisions of RHR NOT in Standby**

Standard: Operator identifies and reports that all divisions of RHR must be placed in Standby to enter Mode 2 (Per 3001.01 8.1.5 and 3001.01 C002)

Cue: When reported to, acknowledge the report.

Comments RHR systems NOT in Standby does not satisfy LCOs for ECCS and Containment Spray:  
ITS 3.5.1  
ITS 3.6.1.7  
ITS 3.6.2.3

SAT ☐          UNSAT ☐          Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

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**\*4. RHR B Test Prep Switch in TEST**

Standard: Operator identifies and reports that RHR B Test Prep Switch must be in NORMAL. (Per 3001.01 Appendix B)

Cue: When reported to, acknowledge the report.

Comments ORM 2.5.2 Action 3.5.2 NOT satisfied.

SAT ☐      UNSAT ☐      Comment Number

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**TERMINATING CUES:**

Reports discrepancies requiring resolution prior to placing the plant into Mode 2.

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

**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ NLO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      Verify Conditions are met to Enter Mode 2JPM Number: JPM113Revision Number: 01Task Number and Title: 300101.01, Complete Control Room actions to perform preparation for startup and approach to critical.

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.1.23	4.3	4.4

**Suggested Testing Environment:**    Any**Actual Testing Environment:**    ☐ Simulator      ☐ Plant      ☐ Control Room
**Testing Method:**    ☐ Simulate  
                              ☒ Perform
**Faulted:**    ☐ Yes      ☒ No**Alternate Path:**    ☐ Yes      ☒ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:**    20 minutes

Actual Time Used: \_\_\_\_\_ minutes

References:      CPS 3001.01, Preparation for Startup & Approach to Critical, Rev. 25b  
                          CPS 3001.01C001, Preparation for Startup Checklist, Rev. 18a  
                          CPS 3001.01C002, Mode 2 Checklist, Rev. 16c
**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: \_\_\_\_\_ (Print)

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**Initial Conditions**

You have taken the shift as the CRS in Mode 4.

**Initiating Cue**

**CAUTION**

- All pre-job briefings are completed.

Review procedures CPS 3001.01, Approach to Critical, CPS 3001.01C001, Preparation for Startup Checklist, CPS 3001.01C002, Mode 2 Checklist.

Identify and report to the Shift Manager all remaining actions required prior to entering Mode 2.

## CLINTON POWER STATION

### Job Performance Measure

Complete an SRV Actuation Report

JPM Number: JPM407

Revision Number: 01

Date: 02/22/2011

Developed By:	<u>T. Pickley</u>	<u>02/22/2011</u>
	Instructor	Date
Validated By:	<u></u>	<u></u>
	SME or Instructor	Date
Reviewed By:	<u></u>	<u></u>
	Operations Representative	Date
Approved By:	<u></u>	<u></u>
	Training Department	Date

**Clinton Power Station  
Job Performance Measure (JPM)**

**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 and 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
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SME/Instructor	Date
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SME/Instructor	Date
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**Clinton Power Station  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Description</b>
0	New JPM. Previously 3831.0101. Upgraded to new template.
1	Updated for procedure revision.

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

**TASK STANDARDS:**

- SRV actuation report is correctly filled out and the SRV has been identified as leaking.

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

- None

**PROCEDURAL/REFERENCES:**

- CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST R 29b
- CPS 3831.01, SAFETY RELIEF VALVE REPORT R 6a

**EVALUATOR INSTRUCTIONS:**

Amplifying cues are provided within the JPM steps.

Provide the operator with the following:

- CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST R 29b
- CPS 9056.02C001, SAFETY/RELIEF VALVE MANUAL ACTUATION CHECKLIST R 28
- CPS 3831.01, SAFETY RELIEF VALVE REPORT R 6a
- CPS 3831.01D002, ACTUATION LOG R 6
- CPS 3831.01F001, ACTUATION LOG R 4
- DCS Display 6D-04
- DCS Display D05AD1
- DCS Display DD5BD3
- SRV Tailpipe temperature graph

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

You are the B RO.  
The plant is operating at 80% power.  
CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST was performed on B21-F047A the previous shift at steady state power.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

You are to complete CPS 3831.01, SAFETY RELIEF VALVE REPORT for B21-F047A.  
The CRS has marked the appropriate blocks as 'N/A' on 3831.01D002.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

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8.1 Fill in block 302 of the CPS No. 3831.01D002, ACTUATION LOG.

Standard: B21-F047A

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

8.1 Fill in block 303 of the CPS No. 3831.01D002, ACTUATION LOG.

Standard: Notes that block 303 is already filled in.

Cue:

Comments Already filled in.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

---

8.1 Fill in block 304 of the CPS No. 3831.01D002, ACTUATION LOG.

Standard: Notes that block 304 is already filled in.

Cue:

Comments Already filled in.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**\*8.1 Fill in block 305 of the CPS No. 3831.01D002, ACTUATION LOG.**

Standard: B

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**\*8.1 Fill in block 306 of the CPS No. 3831.01D002, ACTUATION LOG.**

Standard: C

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

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**\*8.1 Fill in block 307 of the CPS No. 3831.01D002, ACTUATION LOG.**

Standard: E

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

8.1 Fill in block 308 of the CPS No. 3831.01D002, ACTUATION LOG.

Standard: 80

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**\*8.1 Fill in block 309 of the CPS No. 3831.01D002, ACTUATION LOG.**

Standard: **Determines that the tail pipe has not returned to normal or that the SRV is leaking. Block may be left BLANK or N/A'ed.**

Cue:

Comments If the candidate determines that the tail pipe has not returned to normal or that the SRV is leaking, as the CRS you may instruct the candidate to leave the block blank if questioned.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

---

8.1 Fill in block 310 of the CPS No. 3831.01D002, ACTUATION LOG.

Standard: Notes that block 310 is already filled in.

Cue:

Comments Already filled in

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

8.1 Fill in block 311 of the CPS No. 3831.01D002, ACTUATION LOG.

Standard: 1013

Cue:

Comments

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

8.2 Fill in block 312 of the CPS No. 3831.01D002 ACTUATION LOG, if available at the time of reporting or enter "not available" when completing the log. Additional data may be entered later for cross reference.

Standard: 1013

Cue: If requested from the MCR log, the reseal pressure was 1013 psig.

Comments Value may be derived from material provided, requested from the MCR log or considered "not available".

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

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**Clinton Power Station  
Job Performance Measure (JPM)**

- 8.2 Fill in block 313 of the CPS No. 3831.01D002 ACTUATION LOG, if available at the time of reporting or enter "not available" when completing the log. Additional data may be entered later for cross reference.

Standard: N/A or  $\approx$ 1 Minute

Cue: If requested from the MCR log, the SRV was open for 1 minute.

Comments Value may be derived from material provided, requested from the MCR log or considered "not available".

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

- 8.2 Fill in block 314 of the CPS No. 3831.01D002 ACTUATION LOG, if available at the time of reporting or enter "not available" when completing the log. Additional data may be entered later for cross reference.

Standard: A, B, E or N/A

Cue:

Comments If asked, reply no additional information is available at this time.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

- 8.2 Fill in block 315 of the CPS No. 3831.01D002 ACTUATION LOG, if available at the time of reporting or enter "not available" when completing the log. Additional data may be entered later for cross reference.

Standard: Notes that block 315 is already filled in.

Cue:

Comments Already filled in

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_



**Clinton Power Station  
Job Performance Measure (JPM)**

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- 8.3 If a COMMENT SHEET, CPS No. 3831.01F001, is completed for this log entry, indicate "YES" in block 316, if a comment sheet was not completed, indicate "NO" in block 316.

Standard: Yes or No

Cue:

Comments If yes then a comment sheet should be completed (3831.01F001)

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**TERMINATING CUES:**

The SRV actuation log is complete.

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

**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ NLO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      JPM407, Complete an SRV Actuation ReportJPM Number: JPM407      Revision Number: 01

Task Number and Title: 383101.01, Complete Control Room actions to document data on failures and actuation's of the Safety Relief Valves in the Main Steam System and to generate reports required by the Nuclear Regulatory Commission

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.1.18	3.6	3.8

**Suggested Testing Environment:**    Any**Actual Testing Environment:**    ☐ Simulator      ☐ Plant      ☐ Control Room

**Testing Method:**    ☐ Simulate  
                               ☒ Perform

**Faulted:**    ☐ Yes      ☒ No**Alternate Path:**    ☐ Yes      ☒ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:**    18 minutes

Actual Time Used: \_\_\_\_\_ minutes

**References:**

- CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST R 29b
- CPS 3831.01, SAFETY RELIEF VALVE REPORT R 6a

**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: \_\_\_\_\_ (Print)

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

You are the B RO.  
The plant is operating at 80% power.  
CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST was performed on B21-F047A the previous shift at steady state power.

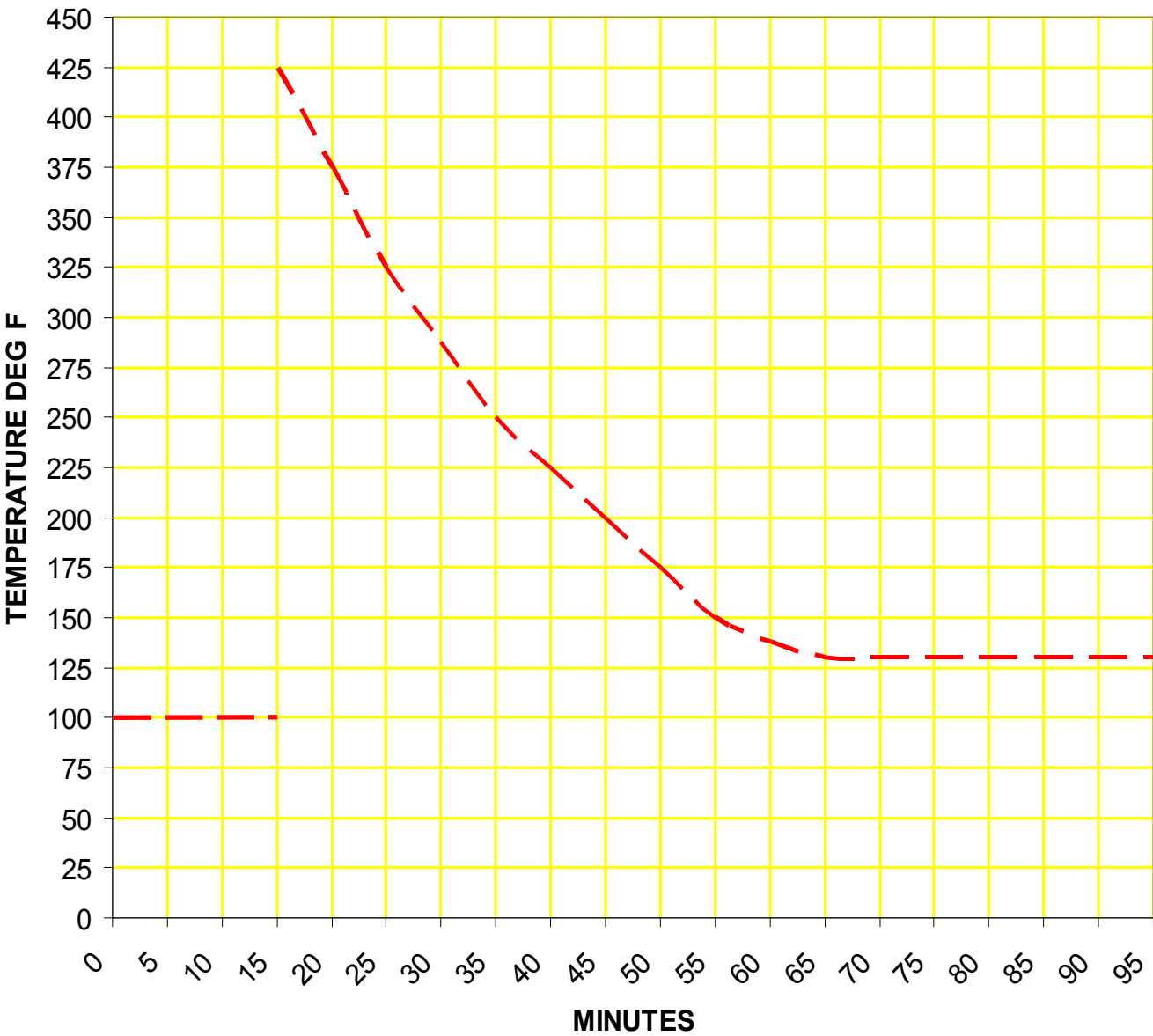
**INITIATING CUE:**

**CAUTION**

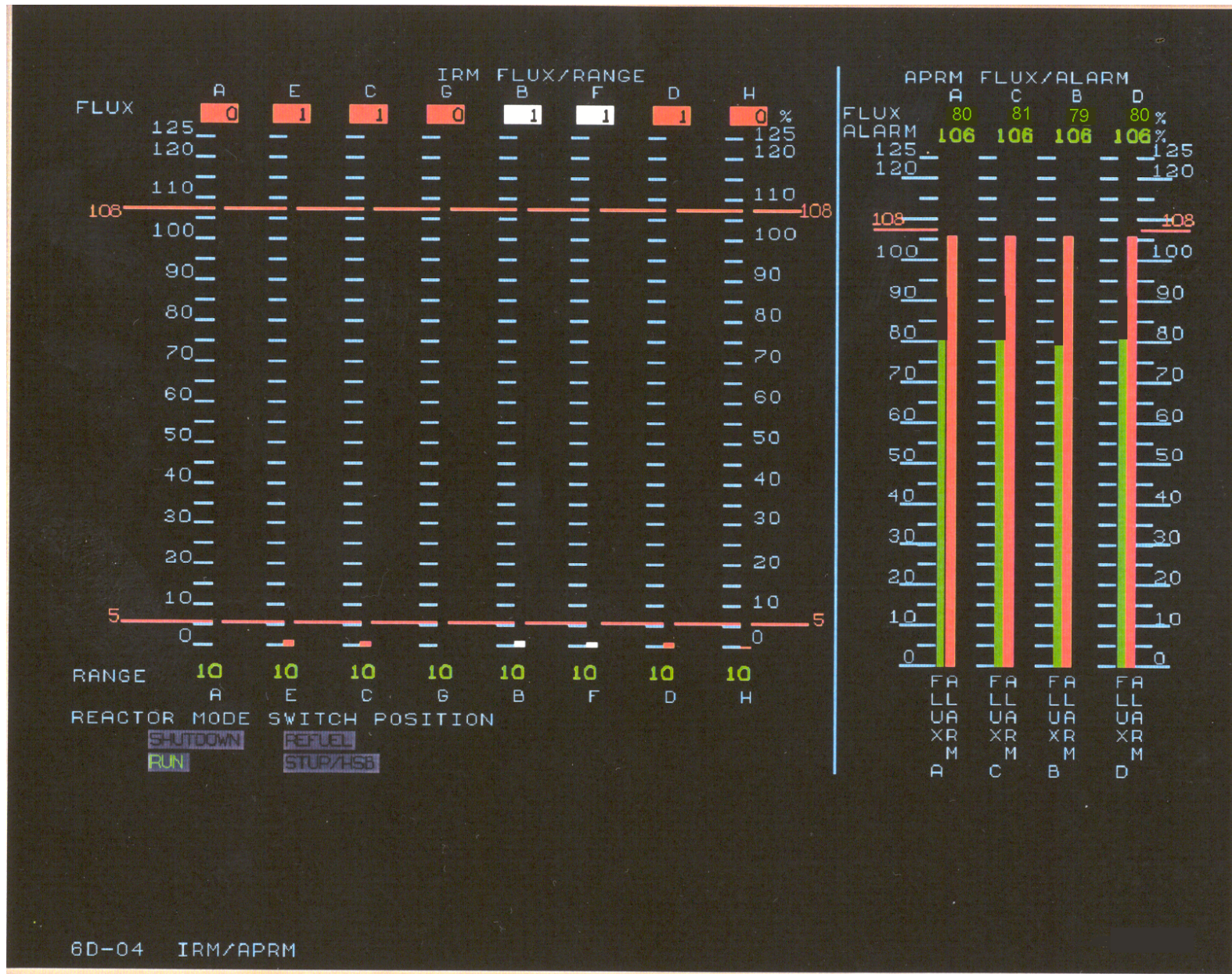
- All pre-job briefings are completed.

You are to complete CPS 3831.01, SAFETY RELIEF VALVE REPORT for B21-F047A.  
The CRS has marked the appropriate blocks as 'N/A' on 3831.01D002.

Attachments

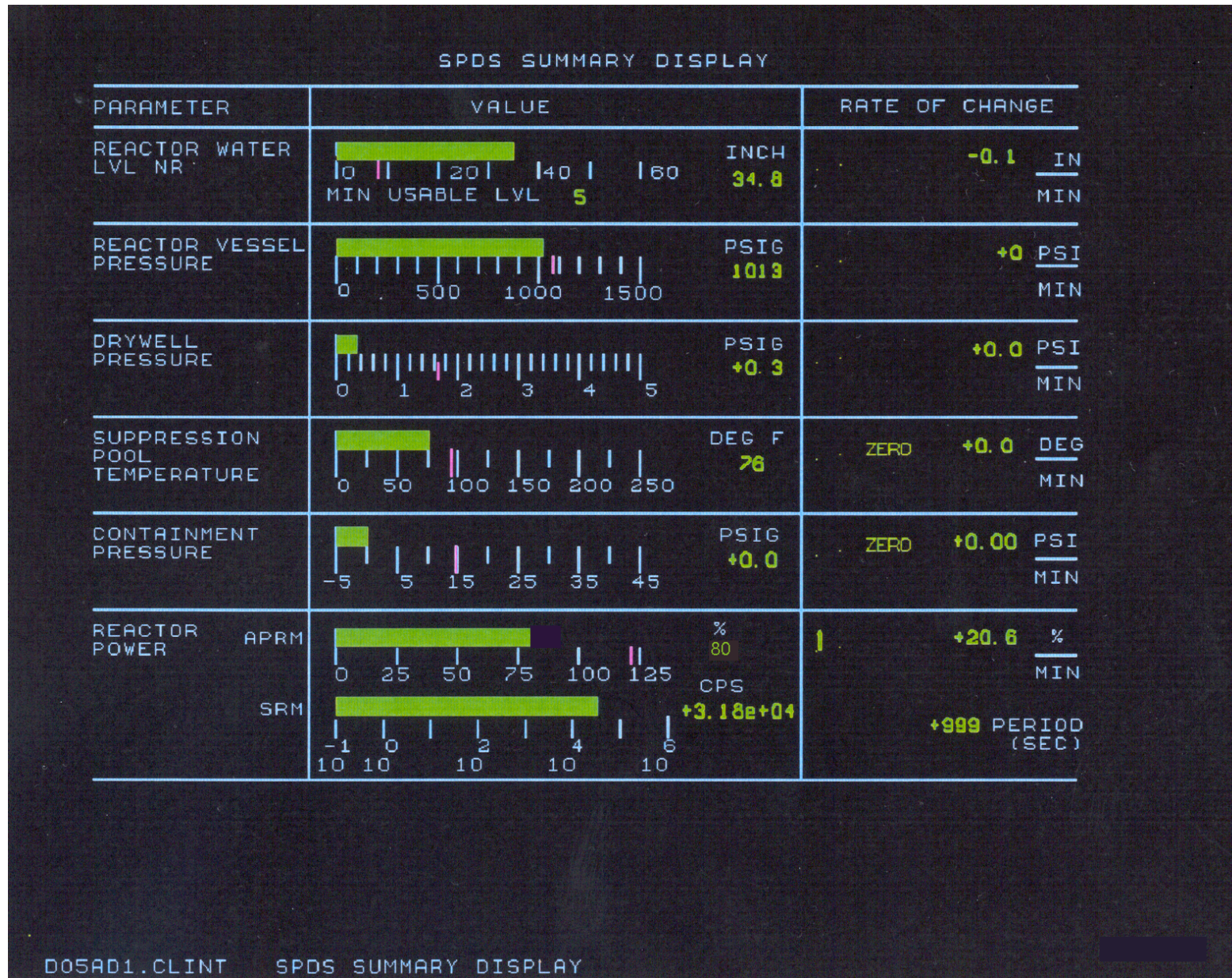


## Attachments



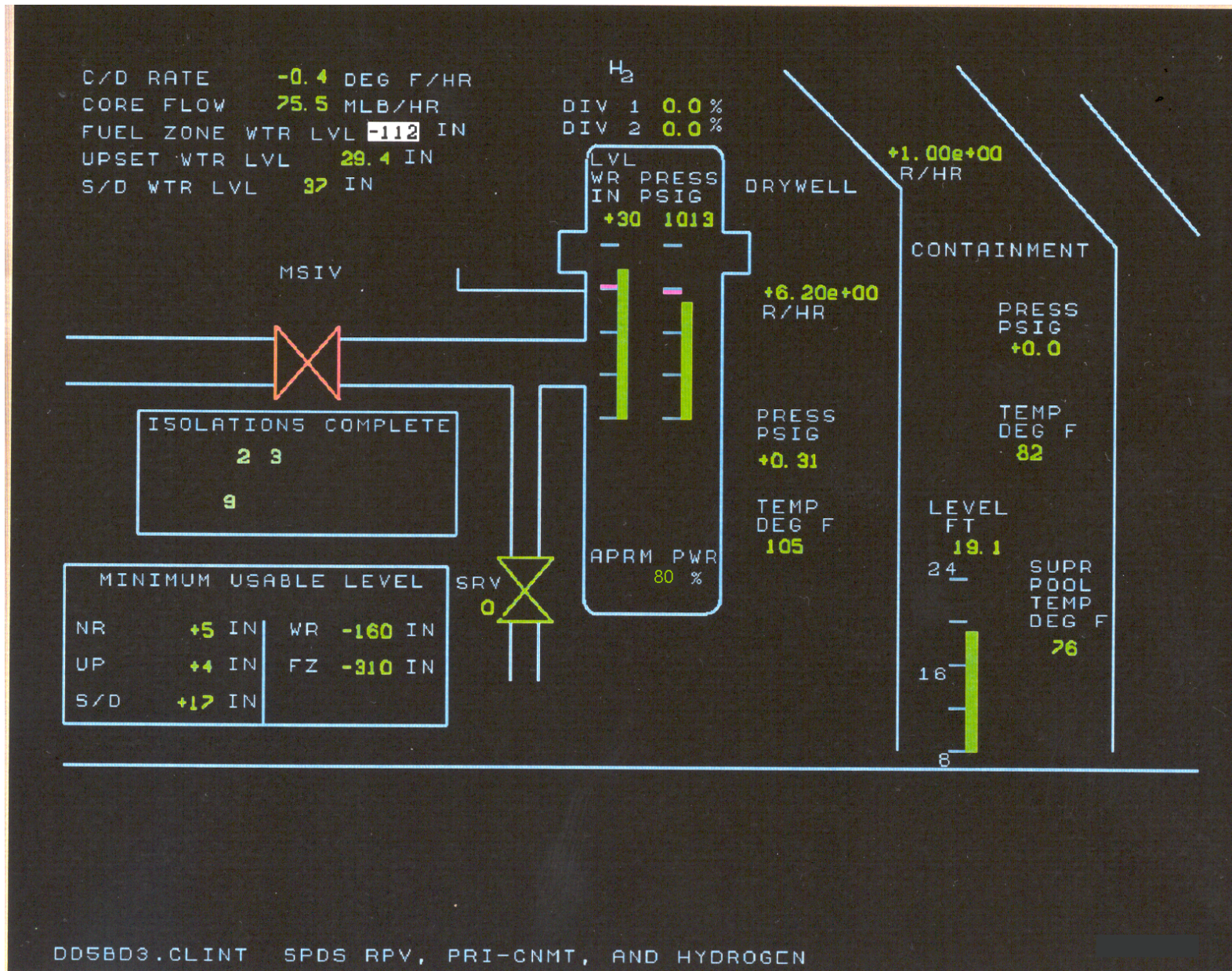


# Attachments





# Attachments







## CLINTON POWER STATION

### Job Performance Measure

Read Survey Map

JPM Number: 410

Revision Number: 01

Date: 08/31/2010

Developed By:	<u>T. Pickley</u>	<u>05/25/2011</u>
	Instructor	Date
Validated By:	<u></u>	<u></u>
	SME or Instructor	Date
Reviewed By:	<u></u>	<u></u>
	Operations Representative	Date
Approved By:	<u></u>	<u></u>
	Training Department	Date

**Clinton Power Station  
Job Performance Measure (JPM)**

**JOB PERFORMANCE MEASURE VALIDATION CHECKLIST**

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- \_\_\_\_\_ 1. Task description and number, JPM description and number are identified.
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- \_\_\_\_\_ 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
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SME/Instructor	Date
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SME/Instructor	Date
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**Revision Record (Summary)**

**Clinton Power Station  
Job Performance Measure (JPM)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
00	08/31/10	New JPM.
01	05/25/11	Reformatted

**Clinton Power Station  
Job Performance Measure (JPM)**

**Simulator Setup Instructions**

**(This page is applicable only to JPMs performed in the Simulator.)**

1. Administrative

<p><b><u>NOTE:</u></b> It is permissible to use a similar IC to the IC listed above, provided the IC actually used is verified to be compatible with this and other JPMs that are scheduled to be run concurrently.</p>
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2. Attachment 1 is the survey map.

3. When the above steps are completed for this and other JPMs to be run concurrently, then validate the concurrently run JPMs if applicable.

4. This completes the setup for this JPM.

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

**TASK STANDARDS:**

- The evolution completed IAW RP-AA-203 EXPOSURE CONTROLS AND LIMITS Rev. 03.

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

- Calculator

**PROCEDURAL/REFERENCES:**

- RP-AA-203 EXPOSURE CONTROLS AND LIMITS Rev. 03.

**EVALUATOR INSTRUCTIONS:**

- Amplifying cues are provided within the JPM steps.

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

The plant is operating at 97%.

**INITIATING CUE:**

You are preparing to enter the RT 'B' Pump room to vent RT Pump from valves 1G33F010B and 1G33F011B.

You have been tasked with reviewing the survey map and answering the provided list of questions.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

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**\*1) What is the highest contamination level in the HCA?**

Standard: 15K dpm/100 cm<sup>2</sup>

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

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**Clinton Power Station  
Job Performance Measure (JPM)**

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**\*2) What is the highest contact radiation level in the HCA?**

Standard: 270 mr/hr

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

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**\*3) What is the highest dose rate level in the HCA?**

Standard: 60 mr/hr

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

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**\*4) What is the estimated dose for venting RT pump 'B' if you are next to the vent valves for 4 minutes?**

Standard: ~ 4 mr

Cue:

Comments If asked, do not consider travel time.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

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**TERMINATING CUES:**

The candidate turns in the answer sheet.

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



**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ EO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      Read Survey MapJPM Number:    JPM410Revision Number: 00Task Number and Title: 102405.01 Apply the administrative requirements of the ALARA program

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.3.7	3.5	3.6

**Suggested Testing Environment:**    Classroom**Actual Testing Environment:**    ☐ Classroom      ☐ Plant      ☐ Control Room
**Testing Method:**    ☐ Simulate  
                               ☒ Perform
**Faulted:**    ☐ Yes      ☒ No**Alternate Path:**    ☐ Yes      ☒ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:**    20 minutes

Actual Time Used: \_\_\_\_\_ minutes

References:      RP-AA-203 EXPOSURE CONTROLS AND LIMITS Rev. 03

**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily?    ☐ Yes      ☐ NoThe operator's performance was evaluated against the standards contained in this JPM, and has been determined to be:                      ☐ Satisfactory      ☐ Unsatisfactory

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

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Evaluator's Name: \_\_\_\_\_ (Print)

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**Initial Conditions**

The plant is operating at 97%.

**Initiating Cue**

You are preparing to enter the RT 'B' Pump room to vent RT Pump from valves 1G33F010B and 1G33F011B.

You have been tasked with reviewing the survey map and answering the provided list of questions.

What is the highest contamination level in the High Contamination Area (HCA)?	
What is the highest contact radiation level in the HCA?	
What is the highest general area dose rate level in the HCA?	
What is the estimated dose for venting RT pump 'B' if you are next to the vent valves for 4 minutes?	

# CLINTON POWER STATION

## Job Performance Measure

## Perform Offsite Source Power Verification

JPM Number: 441

Revision Number: 01

Date: 05/10/2011

Developed By:	<u>Tom Pickley</u>	<u>05/10/2011</u>
	<u>Instructor</u>	<u>Date</u>

**Validated By:** \_\_\_\_\_

**SME or Instructor** **Date**

**Reviewed By:** \_\_\_\_\_

**Operations Representative** **Date**

Approved By: \_\_\_\_\_

Training Department \_\_\_\_\_ Date \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

**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 and 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  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
00	04/08/02	New JPM number (old number 9082)
01	05/10/11	Added overrides of computer points

**Clinton Power Station  
Job Performance Measure (JPM)**

**Simulator Setup Instructions**

**(This page is applicable only to JPMs performed in the Simulator.)**

1. Initialize the Simulator to any IC with both Off-site source and all DGs operable and place the simulator in RUN.

2. Run Lesson Plan JPM441 which will activate

APBA539SUBSV = -1.0

APBA539SUBSF = True

SYDA501SUBSV = -1.0

SYDA501SUBSF = True

3. Verify:

- 1A1, 1B1 and 1C1 are on the Main power source.
- Make sure the simulator doesn't have any annunciators OOS that are needed in performance of CPS 9082.01.

<p><b><u>NOTE:</u></b> It is permissible to use a similar IC to the IC listed above, provided the IC actually used is verified to be compatible with this and other JPMs that are scheduled to be run concurrently.</p>
---

4. This completes the setup for this JPM.

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

**TASK STANDARDS:**

- CPS 9082.01, OFFSITE SOURCE POWER VERIFICATION, Revision 39b, Section 8.1, 8.2, and 8.3 are complete in accordance with the procedure.

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

- None

**PROCEDURAL/REFERENCES:**

- CPS 9082.01, OFFSITE SOURCE POWER VERIFICATION, Revision 39b

**EVALUATOR INSTRUCTIONS:**

- Amplifying cues are provided within the JPM steps.
- Provide the operator with the following:
  - CPS 9082.01, OFFSITE SOURCE POWER VERIFICATION

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

The plant is operating at full power.

The Normal Frequency (7-day) performance of CPS 9082.01, Offsite Source Power Verification, is due to be performed this shift.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

Perform CPS 9082.01, Offsite Source Power Verification.

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



**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

CPS 9082.01, Offsite Source Power Verification  
Section 8.1 – 138KV Offsite Source Operability

8.1.1 Log status of Auxiliary Steam Boilers:

☐ None in service

☐ Aux Boiler in service: #1 \_\_\_\_ or # 2 \_\_\_\_

☞ 138KV is INOPERABLE if 2 Aux Boilers are in-service.

Standard Determines the number of Auxiliary Boilers that are in service.

CUE There are no Auxiliary Boilers in service.

Comments Candidate selects “None in service”.

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_

8.1.2 At 1H13-P870, verify ERAT SVC in-service and able to function as follows:

☞ Contact NSED as needed for Engineering Evaluations which support ERAT SVC ability to properly function.

Standard No action is required. The examinee may contact NSED for applicable Engineering Evaluations.


CUE If requested, respond that there are no Engineering Evaluations applicable to the ability of the ERAT SVC to function properly.

Comments There is no action required with this note. The examinee may read, acknowledge the note and continue on. The cue is provided as a contingency.

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_

**Clinton Power Station**  
**Job Performance Measure (JPM)**

---

8.1.2  
(continued)            If annunciator(s) 5011-8E/8F/8G is Out of Service, a walkdown of the ERAT SVC building panels may be used to verify no condition exists which would result in the ERAT SVC not being able to function.

If walkdown used in place of annunciator verification, initial the step with a NOTE in the Comments section.

Standard      No action is required. The examinee may verify no OOS stickers on Annunciator windows in conjunction with the following steps to determine 5011-8E/8F/8G are not out of service.

CUE      If requested, respond that there are no OOS annunciators pending.

Comments      There is no action required with this note. The examinee may read, acknowledge the note and continue on. The cue is provided as a contingency.

SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

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8.1.2.1)      Annunciator 5011-8E, ERAT SVC TRIP is deenergized.

Standard      Verifies annunciator 5011-8E, ERAT SVC TRIP is deenergized.

CUE

Comments

SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

---



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8.1.2.2)      Annunciator 5011-8F, ERAT SVC TROUBLE is deenergized, or if energized, that the alarm is not due to a cause which would result in the ERAT SVC not being able to function.

Standard      Verifies annunciator 5011-8F, ERAT SVC TROUBLE is deenergized.

CUE

Comments

SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

---

## Clinton Power Station Job Performance Measure (JPM)

8.1.2.3) Annunciator 5011-8G, ERAT SVC FROZEN is deenergized, or if energized, that the alarm is not due to a cause which would result in the ERAT SVC not being able to function.

Standard	Verifies annunciator 5011-8G, ERAT SVC FROZEN is deenergized.
----------	---

CUE

## Comments

SAT ☐ UNSAT ☐ Comment Number

8.1.2.4) ERAT SVC Voltage 4084 - 4300V. V

Standard	Records ERAT SVC voltage. Determines ERAT SVC Voltage is within the required range.
----------	--

CUE

## Comments

SAT ☐ UNSAT ☐ Comment Number

8.1.2.5) Review logs or From E-area Operator, ERAT-LTC Tap in MANUAL at Position 2L.

Standard (From E-area daily rounds)  
ERAT-LTC Tap is in MANUAL at Position 2L.

CUE                      Logged MANUAL at position 2L.

## Comments

SAT ☐ UNSAT ☐ Comment Number

**Clinton Power Station**  
**Job Performance Measure (JPM)**

- 
- 8.1.3            At 1H13-P870, verify:
- 1)        ERAT CIRCUIT SWITCHER, B018 is CLOSED.
  - 2)        DISC SW ET14 is OPEN.
  - 3)        DISC SW ET4 is CLOSED.

Standard        Verifies the three switches are in the required position.

CUE

Comments

SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

**\*8.1.4 Complete the following voltage table:**

<i>Preferred:</i> 138KV Bus (AP-BA539)	_____ kV
---	----------

Standard Determines computer point AP-BA539 is bad (white) data.

CUE

Comments The 138KV Bus (AP-BA539) computer point is Bad (white) Data so candidate is expected to use the ***Alternate 1*** method.

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_\_

**Contacts EMD/IMD to use *Alternate* source 1.**

\_\_\_\_\_ VDC

Standard Records measured value and converts to KV by multiplying by 15.

CUE Measured value is 9.2 VDC

Comments If requested, Multimeter EIN was MM1234 with a Cal Due Date of 01/20/12.  
If ***Alternate 2*** method is selected, the measured value is 0.113 VAC.

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_\_

Verify voltage:  
 138KV Bus Voltage  $\geq$  129.72.

\_\_\_\_\_  
Initial

Standard Verifies recorded voltage is within the acceptable range.

CUE

Comments Calculated value is 138 kV.

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

CPS 9082.01, Offsite Source Power Verification  
Section 8.2 – 345KV Offsite Source Operability

8.2.1	At 1H13-P870, verify RAT SVC in-service and able to function as follows:  ☞ Contact NSED as needed for Engineering Evaluations which support RAT SVC ability to properly function.
Standard	No action is required. The examinee may contact NSED for applicable Engineering Evaluations.
CUE	If requested, respond that there are no Engineering Evaluations applicable to the ability of the RAT SVC to function properly.
Comments	There is no action required with this note. The examinee may read, acknowledge the note and continue on. The cue is provided as a contingency.  SAT <input type="checkbox"/> UNSAT <input type="checkbox"/> Comment Number _____
8.2.1 (continued)	☞ If annunciator(s) 5011-7E/7F/7G is Out of Service, a walkdown of the RAT SVC building panels may be used to verify no condition exists which would result in the RAT SVC not being able to function.  If walkdown used in place of annunciator verification, initial the step with a NOTE in the Comments section.
Standard	No action is required. The examinee may verify no OOS stickers on Annunciator windows in conjunction with the following steps to determine 5011-7E/7F/7G are not out of service.
CUE	If requested, respond that there are no OOS annunciators pending.
Comments	There is no action required with this note. The examinee may read, acknowledge the note and continue on. The cue is provided as a contingency.  SAT <input type="checkbox"/> UNSAT <input type="checkbox"/> Comment Number _____
8.2.1.1)	Annunciator 5011-7E, RAT SVC TRIP is deenergized.
Standard	Verifies annunciator 5011-7E, RAT SVC TRIP is deenergized.
CUE	
Comments	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/> Comment Number _____

**Clinton Power Station**  
**Job Performance Measure (JPM)**

---

8.2.1.2)            Annunciator 5011-7F, RAT SVC TROUBLE is deenergized, or if energized, that the alarm is not due to a cause which would result in the RAT SVC not being able to function.

Standard            Verifies annunciator 5011-7F, RAT SVC TROUBLE is deenergized.

CUE

Comments

SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

8.2.1.3) Annunciator 5011-7G, RAT SVC FROZEN is deenergized, or if energized, that the alarm is not due to a cause which would result in the RAT SVC not being able to function.

Standard Verifies annunciator 5011-7G, RAT SVC FROZEN is deenergized.

CUE

Comments

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_\_

8.2.1.4) RAT SVC Voltage 4084 - 4300V. \_\_\_\_\_ V

Standard Records RAT SVC voltage.  
Determines RAT SVC Voltage is within the required range.

CUE

Comments

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_\_

8.2.1.5) Review logs or From E-area Operator, RAT B-LTC Tap in MANUAL at Position 5.

Standard (From E-area daily rounds)  
RAT B-LTC Tap in MANUAL at Position 5.

CUE Logged MANUAL at position 5.

Comments

SAT ☐ UNSAT ☐ Comment Number \_\_\_\_\_



**Clinton Power Station**  
**Job Performance Measure (JPM)**

- 
- 8.2.2            At 1H13-P870, verify:
- 1)     RAT 1 CIRCUIT SWITCHER, 4538 is CLOSED.
  - 2)     DISC SWITCH RT14 is CLOSED.
  - 3)     DISC SWITCH RT4 is OPEN.

Standard        Verifies the three switches are in the required position.

CUE

Comments

SAT   ☐   UNSAT   ☐   Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

**\*8.2.3      Complete the following voltage table:**

Voltage source {mark one}:  <b><i>Preferred</i></b> , as long as the North and South Buses are connected:  South Bus (SY-DA501 or Meter) <input type="checkbox"/>  OR  <b><i>Alternate 1:</i></b>  North Bus (SY-DA502 or Meter) <input type="checkbox"/>	_____ KV
---	----------

Standard      Determines North and South Buses are connected and records 345 kV Bus voltage from the *Preferred* source (SY-DA501 or meter).

**CUE**

Comments      The South Bus computer point is Bad (white) Data so candidate is expected to use the Meter on P870 or ***Alternate 1***.  
 If ***Alternate 2*** method is selected, the measured value is 115 MV DC.  
 SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

Verify voltage: 345KV Bus Voltage $\geq$ 327.40 KV.	_____ Initial
--	------------------

Standard      Verifies recorded voltage is within the acceptable range.

**CUE**

Comments      Meter reading is ~ 360 kV.  
 SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

CPS 9082.01, Offsite Source Power Verification  
Section 8.3 – Divisional Bus Feeder Breaker Verification

---

8.3.1.1. 4160V Bus 1A1 Feeder Breaker Verification (1H13-P877)

Verify one of the following breakers is CLOSED, and the other one is in AUTO position, or N/A if source is not required to be OPERABLE:

- |    |  | <u>Auto</u> | <u>Closed</u> | <u>Init</u> |
|----|--|-------------|---------------|-------------|
| 1) | 4160V Bus 1A1 Mn Bkr (1AP07EK)                             | _____       | _____         | _____       |
|    | ☞ 345KV Source OPERABLE for Div 1 bus when step satisfied. |             |               |             |
| 2) | 4160V Bus 1A1 Res Bkr (1AP07EH)                            | _____       | _____         | _____       |
|    | ☞ 138KV Source OPERABLE for Div 1 bus when step satisfied. |             |               |             |

Standard      Verifies and records 4160V Bus 1A1 Mn Bkr position-Closed.  
Verifies and records 4160V Bus 1A1 Res Bkr position-Auto.

CUE

Comments      Closed breaker position may also be recorded as Auto & Closed.

SAT ☐    UNSAT ☐    Comment Number \_\_\_\_\_

---

8.3.1.2.      Verify annunciator 5060-1D, NOT AVAILABLE 4160V BUS BREAKER is deenergized, or if energized, that the alarm cause is not due to a source which is required to be OPERABLE.

Standard      Verifies annunciator 5060-1D, NOT AVAILABLE 4160V BUS BREAKER is NOT out of service and is deenergized.

CUE

Comments

SAT ☐    UNSAT ☐    Comment Number \_\_\_\_\_

---

**Clinton Power Station**  
**Job Performance Measure (JPM)**

---

8.3.2.1. 4160V Bus 1B1 Feeder Breaker Verification (1H13-P877)  
 Verify one of the following breakers is CLOSED, and the other one is in AUTO position, or N/A if source is not required to be OPERABLE:

- |    |  | <u>Auto</u> | <u>Closed</u> | <u>Init</u> |
|----|--|-------------|---------------|-------------|
| 1) | 4160V Bus 1B1 Mn Bkr (1AP09EA) _____                     | _____       | _____         | _____       |
|    | 345KV Source OPERABLE for Div 2 bus when step satisfied. |             |               |             |
| 2) | 4160V Bus 1B1 Res Bkr (1AP09EC) _____                    | _____       | _____         | _____       |
|    | 138KV Source OPERABLE for Div 2 bus when step satisfied. |             |               |             |

Standard      Verifies and records 4160V Bus 1B1 Mn Bkr position-closed.  
 Verifies and records 4160V Bus 1B1 Res Bkr position-Auto.

CUE

Comments      Closed breaker position may also be recorded as Auto & Closed.  
 SAT ☐    UNSAT ☐    Comment Number \_\_\_\_\_

---



---

8.3.2.2.      Verify annunciator 5061-1D, NOT AVAILABLE 4160V BUS BREAKER is deenergized, or if energized, that the alarm cause is not due to a source which is required to be OPERABLE.

Standard      Verifies annunciator 5061-1D, NOT AVAILABLE 4160V BUS BREAKER is deenergized.


CUE

Comments

SAT ☐    UNSAT ☐    Comment Number \_\_\_\_\_

---

**Clinton Power Station**  
**Job Performance Measure (JPM)**

- 
- 8.3.3.1.      4160V Bus 1C1 Feeder Breaker Verification (1H13-P601)
- Verify one of the following breakers is CLOSED, and the other one is in AUTO position, or N/A if source is not required to be OPERABLE:
- |  | <u>Auto</u> | <u>Closed</u> | <u>Init</u> |
|--|-------------|---------------|-------------|
| 1)    4160V Bus 1C1 Mn Bkr (1RT4C1)  | _____       | _____         | _____       |
|  345KV Source OPERABLE for Div 3 bus when step satisfied. |             |               |             |
| 2)    4160V Bus 1C1 Res Bkr (1ETR4C1)  | _____       | _____         | _____       |

Standard      Verifies and records 4160V Bus 1C1 Mn Bkr position-Closed.  
Verifies and records 4160V Bus 1C1 Res Bkr position-Auto.

CUE

Comments      Closed breaker position may also be recorded as Auto & Closed.

SAT   ☐    UNSAT   ☐    Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

---

8.3.3.2.      Verify annunciator 5062-7B, HPCS NOT READY FOR AUTO START/BKR IN LOWER POS is deenergized, or if energized, that the alarm cause is not due to a source which is required to be OPERABLE.

Standard      Verifies annunciator 5062-7B, HPCS NOT READY FOR AUTO START/BKR IN LOWER POS is deenergized.

CUE

Comments

SAT ☐    UNSAT ☐    Comment Number \_\_\_\_\_

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---

8.4.      Notify the SMngt of surveillance completion.

Standard      Signs and dates the surveillance.  
Notifies SMngt the surveillance is completed.

CUE      Acknowledge notification of surveillance completion.

Comments

SAT ☐    UNSAT ☐    Comment Number \_\_\_\_\_

---

**TERMINATING CUES:**

All required data has been recorded.  
Shift Management has been notified of surveillance completion.

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

**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ RO      ☐ SROJPM Title:      Perform Offsite Source Power VerificationJPM Number: JPM441Revision Number: 00Task Number and Title: 908201.01 Complete Control Room actions to perform the OFFSITE  
SOURCE POWER VERIFICATION

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.1.31	4.6	4.3

**Suggested Testing Environment:**    Simulator**Actual Testing Environment:**    ☐ Simulator      ☐ Plant      ☐ Control Room**Testing Method:**    ☐ Simulate  
                              ☒ Perform**Alternate Path:**    ☐ Yes      ☒ No**SRO Only:**    ☐ Yes      ☒ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:**    20 minutes

Actual Time Used: \_\_\_\_\_ minutes

References:      CPS 9082.01, OFFSITE SOURCE POWER VERIFICATION, Revision 39b

**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily?    ☐ Yes      ☐ NoThe operator's performance was evaluated against the standards contained in this JPM, and has been determined to be:    ☐ Satisfactory      ☐ Unsatisfactory
Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Evaluator's Name: \_\_\_\_\_ (Print)

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

The plant is operating at full power.

The Normal Frequency (7-day) performance of CPS 9082.01, Offsite Source Power Verification, is due to be performed this shift.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

Perform CPS 9082.01, Offsite Source Power Verification.



## CLINTON POWER STATION

### Job Performance Measure

Print Reading/Tag out verification

JPM Number: JPM442

Revision Number: 00

Date: 04/25/2011

Developed By:	<u>W. D. Kiser</u>	<u>04/25/2011</u>
	Instructor	Date
Validated By:	<u></u>	<u></u>
	SME or Instructor	Date
Reviewed By:	<u></u>	<u></u>
	Operations Representative	Date
Approved By:	<u></u>	<u></u>
	Training Department	Date

**Clinton Power Station**  
**Job Performance Measure (JPM)**

**JOB PERFORMANCE MEASURE VALIDATION CHECKLIST**

<p><b>NOTE:</b> All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 11 below.</p>
---

- \_\_\_\_\_ 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  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
00	04/25/11	New JPM.

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

**TASK STANDARDS:**

- Applicant determines that two tags are incorrect and makes corrections to OP-AA-109-101.

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

- OP-AA-109-101, Clearance and Tagging Rev. 6 - Attachment 14 Part 1 and 2 (marked up).

**PROCEDURAL/REFERENCES:**

- OP-AA-109-101, Clearance and Tagging Rev. 6
- EO2-1RP099 Sheets 101 Rev. Q
- E02-0AP21 Sheet 001 Rev. AC
- CPS 3509.01, Instrument Power System (IP) Rev. 20b
- CPS 3509.01E001, Instrument Power System Elec Lineup Rev. 11c

**EVALUATOR INSTRUCTIONS:**

- Provide a copy to candidate :
  - OP-AA-109-101, Clearance and Tagging Rev. 6 - Attachment 14 Part 1 and 2 (marked up).
  - OP-AA-109-101, Clearance and Tagging Rev. 6
  - CPS 3509.01, Instrument Power System (IP) Rev. 20b
- Allow applicant access to reference prints and procedures (not already provided).
- The “ALT DETAIL FOR 1RP01E” on EO2-1RP099 Sheets 101 Rev. Q is not applicable and the candidate should be informed as soon as this print is accessed.

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

The plant is at rated conditions and NSPS Div 1 REG ISO Transformer needs to be tagged out for repairs on Terminal Boards TB1 & TB2. Passport and EDMS are down.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

Peer Check the provided clearance order and determine if the boundaries are adequate. A second approval is **NOT** required. If the boundaries are not adequate, then suggest needed changes.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

**\*1) Identifies 0AP54EB-5AL as the incorrect circuit breaker/bucket.**

Standard: Determines that 0AP54EB-5AL is the incorrect circuit breaker/bucket and it should be 0AP54EB-5AR.

Cue: Examinee may need to be told to complete the independent technical review.

Comments The candidate may also choose to add 1RP01E/CB1- OFF to the clearance order in addition to or in place of 0AP54EB-5AR. Although 0AP54EB-5AR is normally used, 1RP01E/CB1 would provide an acceptable electrical boundary to the work being performed in place of 0AP54EB-5AR and therefore meet the intent of this critical step. If added in addition to 0AP54EB-5AR, 1RP01E/CB1 would be considered excessive but not constitute an UNSAT performance step.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

**\*2) Identifies 1RP17J – MAINTENANCE BYPASS is in the wrong position.**

Standard: Determines that “ON” is the incorrect position and it should be in the “OFF” position.

Cue:

Comments

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

- 3) Verifies that 1RP01E/CB2 – ISO TRANSF OUTPUT BKR is in the correct position.

Standard: Determines that “OFF” is the correct position for 1RP01E/CB2 – ISO TRANSF OUTPUT BKR.

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

- 4) SRO ONLY (Examiner will read the following statement to the candidate.)

Determine the ITS impact and/or required compensatory action due to removing NSPS Regulating Transformer 1RP01 from service.

Standard: Regulating Transformer 1RP01E is NOT required for Inverter OPERABILITY.

Div 1 NSPS Inverter ITS SR 3.8.7.1 frequency changes from '7 days' to 'DAILY' (compensatory monitoring per CPS 9082.02, Electrical Distribution Verification).

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

**NOTE:**

The candidate may choose to add additional information tags for the Manual Bypass Switch or the inverter itself to maintain the inverter alignment or identify that alternate power (NSPS Div 1 REG ISO Transformer) is not available. These measures would be considered acceptable but not required.

**TERMINATING CUES:**

Applicant submits his attachment 14 parts one and two of OP-AA-109-101 noting the wrong breaker and switch position. Applicant recommends correct breaker and switch position changes.

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

**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ NLO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      Print Reading/Tag out verificationJPM Number: JPM442      Revision Number: 00Task Number and Title: (0.13L) Read Mechanical and Electrical Prints

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.2.41	3.5	3.9

**Suggested Testing Environment:** Simulator**Actual Testing Environment:**    ☐ Simulator    ☐ Plant    ☐ Control Room
**Testing Method:**    ☐ Simulate  
                               ☒ Perform
**Faulted:**    ☐ Yes    ☒ No**Alternate Path:**    ☐ Yes    ☒ No**Time Critical:**    ☐ Yes    ☒ No**Estimated Time to Complete:** 20 minutes

Actual Time Used: \_\_\_\_\_ minutes

References:    EO2-1RP099 Sheets 101 Rev. Q    EO2-0AP21 Sheet 001 Rev. AC

CPS 3509.01, Instrument Power System (IP) Rev. 20b

CPS 3509.01E001, Instrument Power System Elec Lineup Rev. 11c

**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily?    ☐ Yes    ☐ NoThe operator's performance was evaluated against the standards contained in this JPM, and has been determined to be:    ☐ Satisfactory    ☐ Unsatisfactory

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

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Evaluator's Name: \_\_\_\_\_ (Print)

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



**Clinton Power Station  
Job Performance Measure (JPM)**

**Initial Conditions:**

The plant is at rated conditions and NSPS Div 1 REG ISO Transformer needs to be tagged out for repairs on Terminal Boards TB1 & TB2. Passport and EDMS are down.

**Initiating Cue:**

**CAUTION**

- All pre-job briefings are completed.

Peer Check the provided clearance order and determine if the boundaries are adequate. A second approval is **NOT** required. If the boundaries are not adequate, then suggest needed changes.

# CLINTON POWER STATION

## Job Performance Measure

## Review a Completed SRV Actuation Report

JPM Number: 444

Revision Number: 01

Date: 02/22/2011

Developed By:	<u>Tom Pickley</u>	<u>02/22/2011</u>
	<b>Instructor</b>	<b>Date</b>

**Validated By:** \_\_\_\_\_

**SME or Instructor** **Date**

**Reviewed By:** \_\_\_\_\_ **Date** \_\_\_\_\_  
**Operations Representative**

Approved By: \_\_\_\_\_

Training Department \_\_\_\_\_ Date \_\_\_\_\_

**Clinton Power Station**  
**Job Performance Measure (JPM)**

**JOB PERFORMANCE MEASURE VALIDATION CHECKLIST**

<p><b>NOTE:</b> All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 11 below.</p>
---

- \_\_\_\_\_ 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  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
Rev 00	N/A	New JPM number ( old 3831.0102)
Rev 01	02/22/2011	Updated for procedure revisions.

**Clinton Power Station  
Job Performance Measure (JPM)**

**Simulator Setup Instructions**

**(This page is applicable only to JPMs performed in the Simulator.)**

1. None

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

**TASK STANDARDS:**

The SRV has been identified as leaking and the failure mode is coded incorrectly.

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

None

**PROCEDURAL/REFERENCES:**

CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST Rev 029b

CPS 3831.01, SAFETY RELIEF VALVE REPORT Rev 006a

**EVALUATOR INSTRUCTIONS:**

Amplifying cues are provided within the JPM steps.

Provide the operator with the following:

- CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST
- CPS 9056.02C001, SAFETY/RELIEF VALVE MANUAL ACTUATION CHECKLIST
- CPS 3831.01, SAFETY RELIEF VALVE REPORT
- CPS 3831.01D002, ACTUATION LOG
- DCS Display 6D-04
- DCS Display D05AD1
- DCS Display DD5BD3
- SRV Tailpipe temperature graph

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST was completed during steady state operations at 80% power.

CPS 3831.01, SAFETY RELIEF VALVE REPORT has been completed.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

As the CRS, you are to review and approve CPS 3831.01, SAFETY RELIEF VALVE REPORT.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

---

**\*1**                      **Reviews through block 305 of CPS 3831.01, SAFETY RELIEF VALVE REPORT**

**Standard**                      **Determines that block 305 is incorrect, Reason for actuation should be “B”.**

CUE

Comments

SAT   ☐    UNSAT   ☐    Comment Number       

---

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**\*2**                      **Reviews block 306 of CPS 3831.01, SAFETY RELIEF VALVE REPORT**

**Standard**                      **Determines that block 306 is incorrect, Reason for actuation should be “C”.**

CUE

Comments

SAT   ☐    UNSAT   ☐    Comment Number       

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**Clinton Power Station  
Job Performance Measure (JPM)**

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**\*3**                      **Reviews through block 309 of CPS 3831.01, SAFETY RELIEF VALVE  
REPORT**

**Standard**                      **Determines that block 309 is incorrect, the tail pipe has not returned to  
normal or that the SRV is leaking.**

CUE

Comments                      SAT   ☐   UNSAT   ☐   Comment Number       

---

**TERMINATING CUES:**  
  
The SRV actuation log has been reviewed.

**STOP TIME:**

**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ EO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      Review a Completed SRV Actuation ReportJPM Number:    JPM444Revision Number:    01

Task Number and Title: 383101.01, Complete Control Room actions to document data on failures and actuation's of the Safety Relief Valves in the Main Steam System and to generate reports required by the Nuclear Regulatory Commission.

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.1.32		4.0

**Suggested Testing Environment:**    Simulator**Actual Testing Environment:**    ☐ Simulator      ☐ Plant      ☐ Control Room
**Testing Method:**    ☐ Simulate  
                               ☒ Perform
**Faulted:**    ☐ Yes      ☒ No**Alternate Path:**    ☐ Yes      ☒ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:**    20 minutes

Actual Time Used:    \_\_\_\_\_ minutes

References:

CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST Rev 029b

CPS 3831.01, SAFETY RELIEF VALVE REPORT Rev 006a

**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: \_\_\_\_\_ (Print)

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

### **Initial Conditions**

CPS 9056.02, SAFETY/RELIEF VALVE ACTUATION TEST was completed during steady state operations at 80% power.

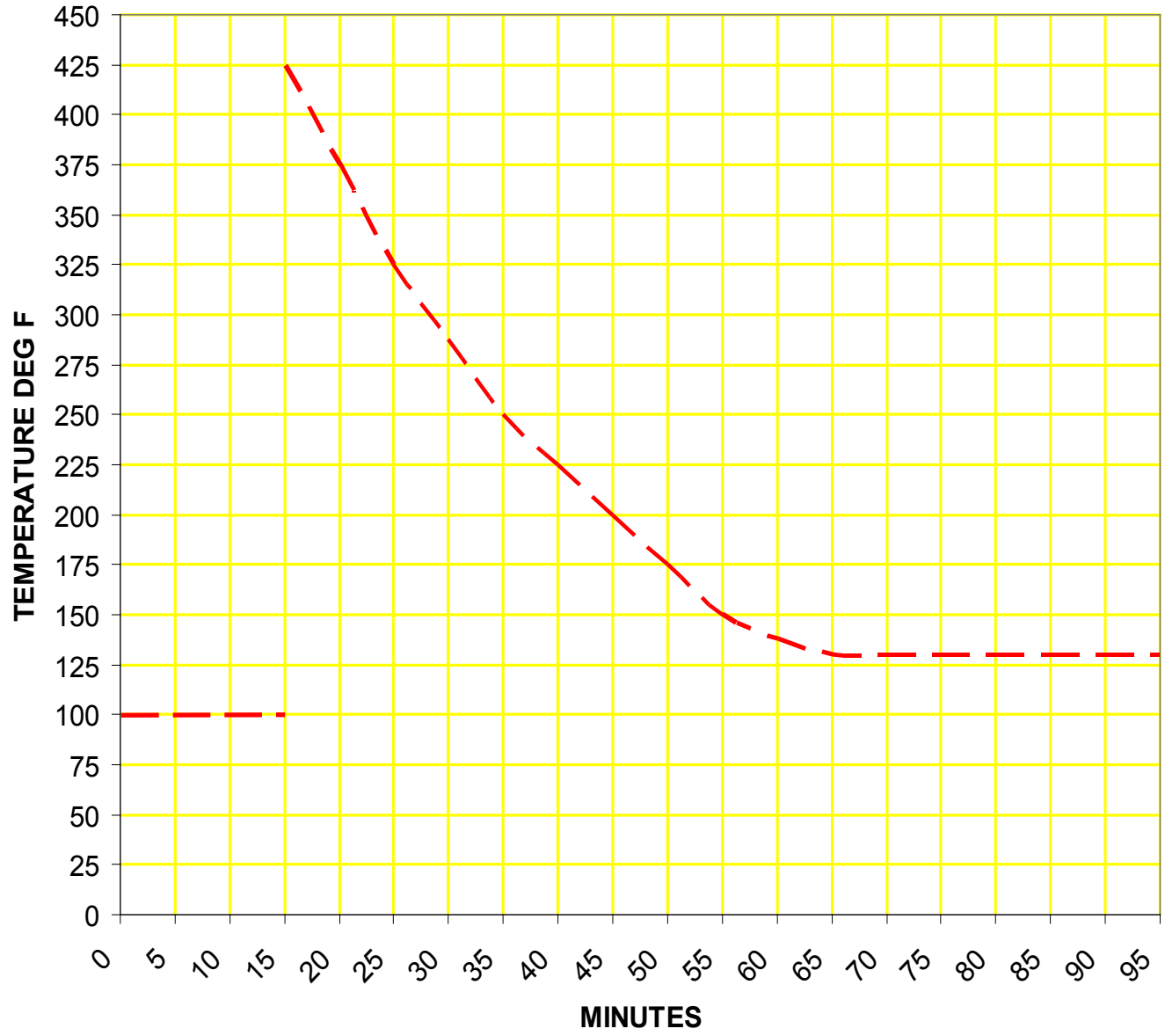
CPS 3831.01, SAFETY RELIEF VALVE REPORT has been completed.

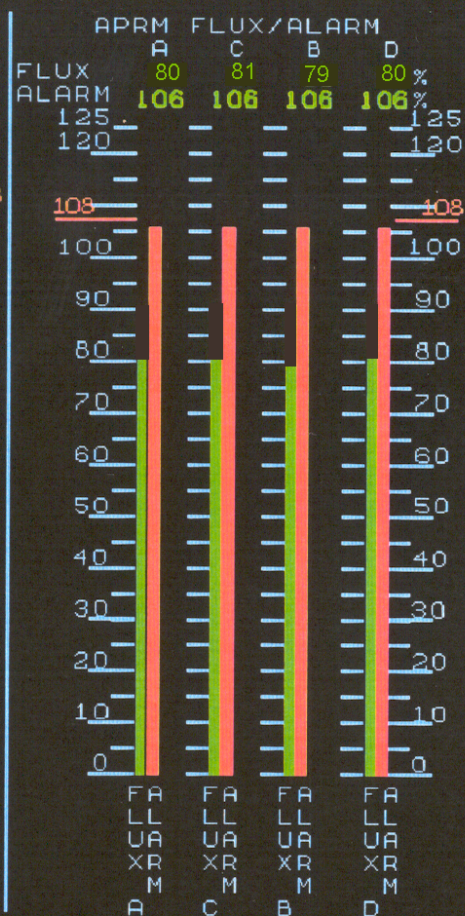
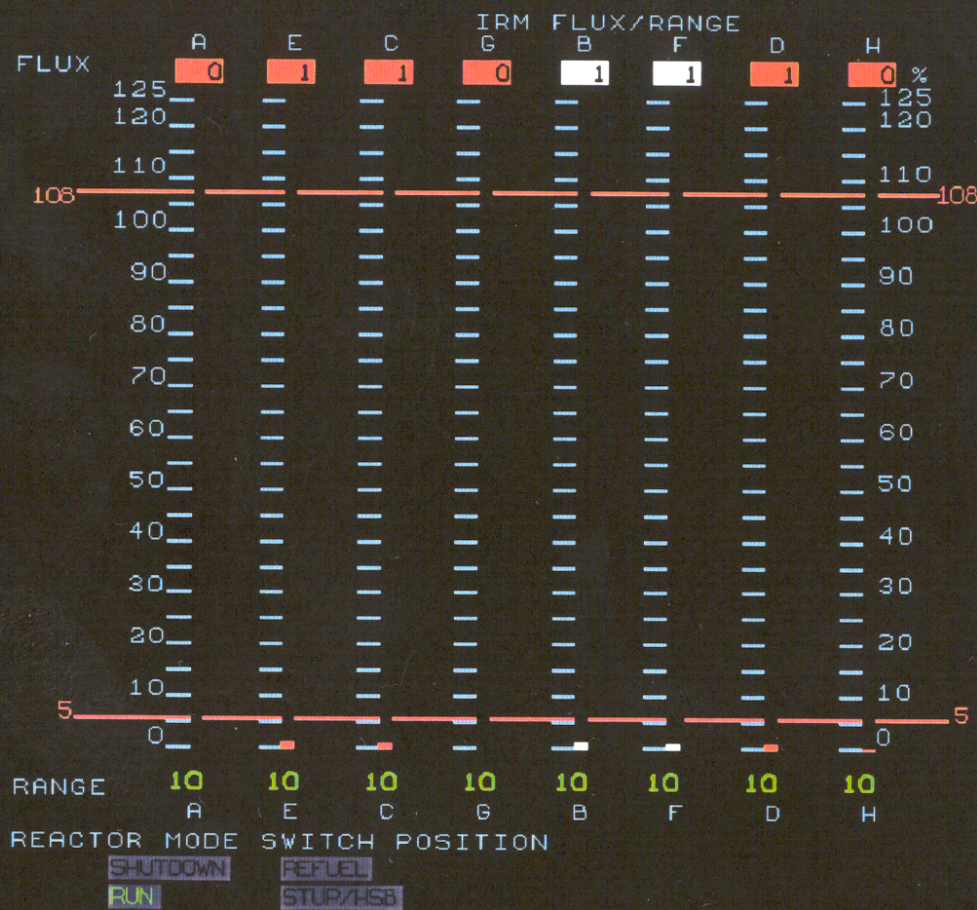
### **Initiating Cue**

#### **CAUTION**

- All pre-job briefings are completed.

As the CRS, you are to review and approve CPS 3831.01, SAFETY RELIEF VALVE REPORT.



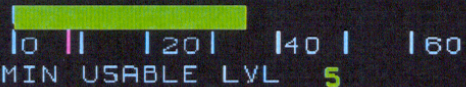



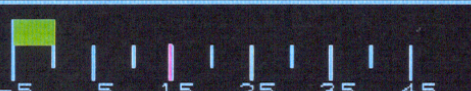

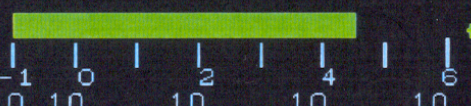


6D-04 IRM/APRM

<09:16:21>



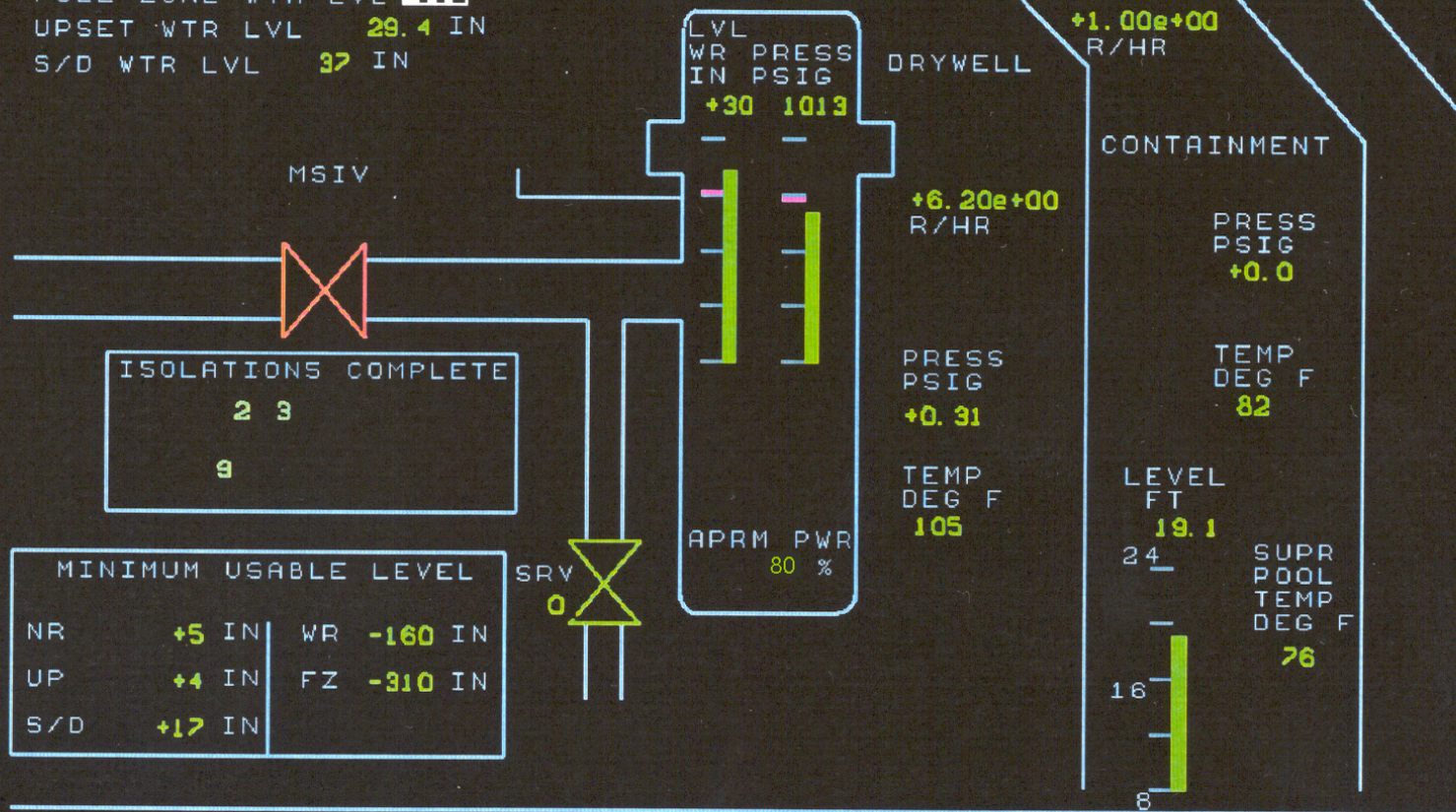
# SPDS SUMMARY DISPLAY

PARAMETER	VALUE	RATE OF CHANGE
REACTOR WATER LVL NR	 INCH 34.8 MIN USABLE LVL 5	-0.1 IN MIN
REACTOR VESSEL PRESSURE	 PSIG 1013	+0 PSI MIN
DRYWELL PRESSURE	 PSIG +0.3	+0.0 PSI MIN
SUPPRESSION POOL TEMPERATURE	 DEG F 76	ZERO +0.0 DEG MIN
CONTAINMENT PRESSURE	 PSIG +0.0	ZERO +0.00 PSI MIN
REACTOR POWER	APRM  % 80 SRM  CPS +3.18e+04	+20.6 % MIN +999 PERIOD (SEC)



C/D RATE     -0.4 DEG F/HR  
 CORE FLOW    75.5 MLB/HR  
 FUEL ZONE WTR LVL -112 IN  
 UPSET WTR LVL   29.4 IN  
 S/D WTR LVL    37 IN

H<sub>2</sub>  
 DIV 1   0.0 %  
 DIV 2   0.0 %



# CLINTON POWER STATION

## Job Performance Measure

## Activate the Emergency Response Organization – Using The Backup Automated Call Out System

JPM Number: JPM446

Revision Number: 00

Date: 02/23/2011

Developed By:	<u>T. Pickley</u>	<u>02/23/11</u>
	<b>Instructor</b>	<b>Date</b>

**Validated By:** \_\_\_\_\_

<b>SME or Instructor</b>	<b>Date</b>
--------------------------	-------------

**Reviewed By:** \_\_\_\_\_ **Operations Representative** \_\_\_\_\_ **Date**

Approved By: \_\_\_\_\_

Training Department \_\_\_\_\_ Date \_\_\_\_\_



**Clinton Power Station  
Job Performance Measure (JPM)**

**JOB PERFORMANCE MEASURE VALIDATION CHECKLIST**

<p><b>NOTE:</b> All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 12 below.</p>
---

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, simulator, or other)
4.

Initial setup conditions are identified.
5.

Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:  
Procedure \_\_\_\_\_ Rev: \_\_\_\_\_  
Procedure \_\_\_\_\_ Rev: \_\_\_\_\_  
Procedure \_\_\_\_\_ Rev: \_\_\_\_\_
9.

Verify cues both verbal and visual are free of conflict.
10.

Verify performance time is accurate
11.

If the JPM cannot be performed as written with proper responses, then revise the JPM.
12.

When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	_____
SME / Instructor	Date
_____	_____
SME / Instructor	Date
_____	_____
SME / Instructor	Date

**Clinton Power Station  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
00	02/23/11	New JPM (modified from old A.4.a).

**Clinton Power Station  
Job Performance Measure (JPM)**

**Simulator Setup Instructions**

1. None.

**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

**TASK STANDARDS:**

- Successfully activates the ERO with an ALERT classification indicated.

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

- Telephone (not connected to any system)

**PROCEDURAL/REFERENCES:**

- EP-AA-112-100-F-06, Rev N MIDWEST ERO NOTIFICATION OR AUGMENTATION

**EVALUATOR INSTRUCTIONS:**

- Supply the examinee a copy of EP-AA-112-100-F-06.
- Amplifying cues are provided within the JPM steps.
- All pre-job briefings are completed.

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

An Alert has just been declared. The control room staff has been informed of the classification and the announcement has been made over the Public Address System. You are to activate the Emergency Response Organization. The event is NOT a Security Event.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

As the CRS you have been directed by the Shift Manager to activate the Emergency Response Organization.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

**EP-AA-112-100-F-06 MIDWEST ERO NOTIFICATION OR AUGMENTATION**

---

1.2 Access the automated callout system.

Standard: Dials 1-877-486-6612.

Cue: The number is busy.

Comments Repeat the same cue for subsequent attempts.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

**\*2.1 Activation of backup automated call out system**

Standard: Dials 1-800-308-8836

Cue: "This is the remote activation module. Please enter your company ID followed by the # sign."

Comments Cue is the expected response by the automated callout system.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

---

**\*2.2(1) Enters the company ID.**

Standard: Examinee enters 1741 followed by the # sign.

Cue: “You entered 1741. Is that correct? Press ‘9’ for yes or ‘6’ for No.”

Comments Cue is the expected response by the automated callout system.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

---

**\*2.2(2) Enters ‘9’ for yes.**

Standard: Examinee enters ‘9’ for yes.

Cue: “Please enter your scenario activation password followed by the # sign.”

Comments Cue is the expected response by the automated callout system.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

---

**\*2.3 Enters the activation password.**

Standard: Examinee enters 301 followed by the # sign.

Cue: “You entered 301. Is that correct? Press ‘9’ for yes or ‘6’ for No.”

Comments Cue is the expected response by the automated callout system.

SAT ☐      UNSAT ☐      Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

---

**\*2.4 Enters '9' for yes.**

Standard:           Examinee enters '9' for yes.

Cue:                “To start a scenario, enter the scenario ID followed by the # sign or press # alone for more options.”

Comments           Cue is the expected response by the automated callout system.

SAT   ☐           UNSAT   ☐           Comment Number \_\_\_\_\_

---

---

**\*2.5 Enters the scenario ID number.**

Standard:           Examinee enters 301 followed by the # key.

Cue:                “Please reenter the scenario ID followed by the # sign.”

Comments           Cue is the expected response by the automated callout system.

SAT   ☐           UNSAT   ☐           Comment Number \_\_\_\_\_

---

---

**\*2.6(1) Enters the scenario ID number.**

Standard:           Examinee enters 301 followed by the # key.

Cue:                “You entered 301. Is that correct? Press '9' for yes or '6' for No.”

Comments           Cue is the expected response by the automated callout system.

SAT   ☐           UNSAT   ☐           Comment Number \_\_\_\_\_

---



**Clinton Power Station  
Job Performance Measure (JPM)**

---

**\*2.6(2) Enters '9' for yes.**

Standard: Examinee enters '9' for yes.

Cue: "Please select one of the following:  
• To listen to the current scenario message press 1.  
• To re-record the scenario message press 2  
• To start the scenario press 3.  
• To return to the main menu press #.

Comments Cue is the expected response by the automated callout system.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

---

**\*2.7 Enters '3' to start the scenario.**

Standard: Examinee enters '3'.

Cue: "The scenario is building".  
Wait 30 seconds then "Press # sign to exit"

Comments Cue is the expected response by the automated callout system.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**Clinton Power Station  
Job Performance Measure (JPM)**

**\*2.8 Enters ‘#’ when prompted to exit.**

Standard: The examinee waits for the scenario to build then presses ‘#’ when the recording prompts them to exit.

Cue: “The scenario is building”, wait 30 seconds then “Press # sign to exit”. Phone call is complete.

Comments Cue is the expected response by the automated callout system.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

**2.9 Waits for a call from the automated callout system.**

Standard: Examinee waits up to 10 minutes for a confirmation call from the callout system.

Cue: Automated callout system confirmation call is received.

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

**TERMINATING CUES:**

The examinee has successfully activated the call out system by evidence of the confirmation call.

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

**Clinton Power Station**  
**Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ NLO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      Activate the Emergency Response Organization – Using the Backup Automated Call Out System.JPM Number: JPM446      Revision Number: 00Task Number and Title: 997777.07 Given a postulated E-Plan condition, augment plant staffing IAW corporate EP, and station specific EP procedures.

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.4.38		4.4

**Suggested Testing Environment:** Simulator**Actual Testing Environment:**    ☐ Simulator      ☐ Plant      ☐ Control Room**Testing Method:**    ☐ Simulate  
                                 ☒ Perform**Alternate Path:**    ☐ Yes      ☒ No  
**SRO Only:**      ☒ Yes      ☐ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:** 10 minutes      Actual Time Used: \_\_\_\_\_ minutes

References:      EP-AA-112-100-F-06, Rev N MIDWEST ERO NOTIFICATION OR AUGMENTATION

**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily?    ☐ Yes      ☐ NoThe operator's performance was evaluated against the standards contained in this JPM, and has been determined to be:      ☐ Satisfactory      ☐ Unsatisfactory
Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Evaluator's Name: \_\_\_\_\_ (Print)

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

An Alert has just been declared. The control room staff has been informed of the classification and the announcement has been made over the Public Address System. You are to activate the Emergency Response Organization. The event is NOT a Security Event.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

As the CRS you have been directed by the Shift Manager to activate the Emergency Response Organization.

## CLINTON POWER STATION

### Job Performance Measure

Authorize an Emergency Dose for a Life Saving Operation

JPM Number: JPM 450

Revision Number: 00

Date: 04/12/2011

Developed By:	<u>Tom Pickley</u>	<u>04/12/2011</u>
	Instructor	Date
Validated By:	<u></u>	<u></u>
	SME or Instructor	Date
Reviewed By:	<u></u>	<u></u>
	Operations Representative	Date
Approved By:	<u></u>	<u></u>
	Training Department	Date

**Clinton Power Station**  
**Job Performance Measure (JPM)**

**JOB PERFORMANCE MEASURE VALIDATION CHECKLIST**

<p><b>NOTE:</b> All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 12 below.</p>
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- \_\_\_\_\_

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, simulator, or other)
- \_\_\_\_\_

4. Initial setup conditions are identified.
- \_\_\_\_\_

5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:  
Procedure \_\_\_\_\_ Rev: \_\_\_\_\_  
Procedure \_\_\_\_\_ Rev: \_\_\_\_\_  
Procedure \_\_\_\_\_ Rev: \_\_\_\_\_
- \_\_\_\_\_

9. Verify cues both verbal and visual are free of conflict.
- \_\_\_\_\_

10. Verify performance time is accurate
- \_\_\_\_\_

11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- \_\_\_\_\_

12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	_____
SME / Instructor	Date
_____	_____
SME / Instructor	Date
_____	_____
SME / Instructor	Date

**Clinton Power Station  
Job Performance Measure (JPM)**

**Revision Record (Summary)**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
00	04/12/2011	New JPM number and format.

**Clinton Power Station  
Job Performance Measure (JPM)**

**Simulator Setup Instructions**

1. None



**Clinton Power Station  
Job Performance Measure (JPM)**

**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.

**TASK STANDARDS:**

The life saving operation is authorized per EP-AA-113 r10, Personnel Protective Actions and EP-AA-113-F-02 rB, Authorization for Emergency Exposure.

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

- None

**PROCEDURAL/REFERENCES:**

- EP-AA-113 r10, Personnel Protective Actions
- EP-AA-113-F-02 rB, Authorization for Emergency Exposure

**EVALUATOR INSTRUCTIONS:**

- Amplifying cues are provided within the JPM steps.
- Supply the examinee the partially filled out EP-AA-113-F-02 as the volunteer.
- You as the evaluator will play the part of the volunteer who has not yet been briefed.
- Supply the operator with a copy of EP-AA-113, Personnel Protective Actions when the examinee retrieves the procedure.

**Clinton Power Station  
Job Performance Measure (JPM)**

**INITIAL CONDITIONS:**

An emergency life saving operation must be performed. The operation will take approximately 15 minutes in a 200 Rem/hr field. A volunteer, age 45, comes for your approval to perform the life saving operation.

**INITIATING CUE:**

**CAUTION**

- All pre-job briefings are completed.

As the **Acting Station Emergency Director**, take the actions needed to authorize the life saving operation.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

**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**

EP-AA-113-F-02

**\*1. Determines volunteer will receive greater than 25 Rem TEDE.**

**Standard “25 Rem TEDE (Authorized to receive greater than 25 Rem TEDE)” should be checked.**

**CUE** Hand the partially filled out EP-AA-113-F-02 to the examinee as the volunteer.

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

2. Determines volunteer has not signed form for briefing.

Standard Determines volunteer has not been briefed.

**CUE** I was told you would perform the brief.

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

**Clinton Power Station  
Job Performance Measure (JPM)**

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**\*3. Brief volunteer IAW 3.4.2. At a minimum, this will include possible health effects (and approximate cancer risk) at the anticipated exposure level/appropriate age (using Attachment 1 of EP-AA-113).**

**Standard 50 rad will result in 2% of population affected by prodromal effects. Risk of premature death: 5.3 (deaths per 1000 persons exposed). Average years of life lost if premature death occurs: 15 (years) (Or words to that effect.)**

Cue:

Comments Sign form after briefing is completed.

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**\*4. Authorizes the exposure.**

**Standard Signs for approval.**

Cue:

Comments

SAT ☐

UNSAT ☐

Comment Number \_\_\_\_\_

---

**TERMINATING CUES:**

The life saving operation is authorized.

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

**Clinton Power Station  
Job Performance Measure (JPM)**

Operator's Name: \_\_\_\_\_

Job Title:      ☐ NLO      ☐ RO      ☐ SRO      ☐ STA      ☐ SRO CertJPM Title:      Authorize an Emergency Dose for a Life Saving OperationJPM Number: JPM 450      Revision Number: 00Task Number and Title: 997777.03 Emergency Plan Activities performed by an SRO

K/A System	K/A Number	Importance (RO/SRO)	
Generic	2.3.4		3.7

**Suggested Testing Environment:** Simulator**Actual Testing Environment:**    ☒ Simulator      ☐ Plant      ☐ Control Room**Testing Method:**    ☐ Simulate  
                              ☒ Perform**Alternate Path:**    ☐ Yes      ☒ No**SRO Only:**    ☒ Yes      ☐ No**Time Critical:**    ☐ Yes      ☒ No**Estimated Time to Complete:** 10 minutes      Actual Time Used: \_\_\_\_\_ minutes

References:      EP-AA-113, Rev 10 PERSONNEL PROTECTIVE ACTIONS

EP-AA-113-F-02, Rev B AUTHORIZATION FOR EMERGENCY EXPOSURE

**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily?    ☐ Yes      ☐ NoThe operator's performance was evaluated against the standards contained in this JPM, and has been determined to be:    ☐ Satisfactory      ☐ Unsatisfactory

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

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Evaluator's Name: \_\_\_\_\_ (Print)

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

**Clinton Power Station  
Job Performance Measure (JPM)**

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**CAUTION**

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As the **Acting Station Emergency Director** take the actions needed to authorize the life saving operation.