Exelon SM
Nuclear

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:	**Tom Pickley**	**05/10/11**
	Instructor	**Date**
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)

Revision	Date	Description
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)

***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

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 Cert

JPM Title: Verify Conditions are met to Enter Mode 2

JPM Number: JPM113 Revision Number: 01

Task 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: _____

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.

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CLINTON POWER STATION

Job Performance Measure

Complete an SRV Actuation Report

JPM Number: JPM407

Revision Number: 01

Date: 02/22/2011

Developed By:	**T. Pickley**	**02/22/2011**
	Instructor	**Date**
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 areidentified.

_____ 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)

Revision	Description
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

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)

***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 reseat 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 _____

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 ≈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)

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 Cert

JPM Title: JPM407, Complete an SRV Actuation Report

JPM 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: _____

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.

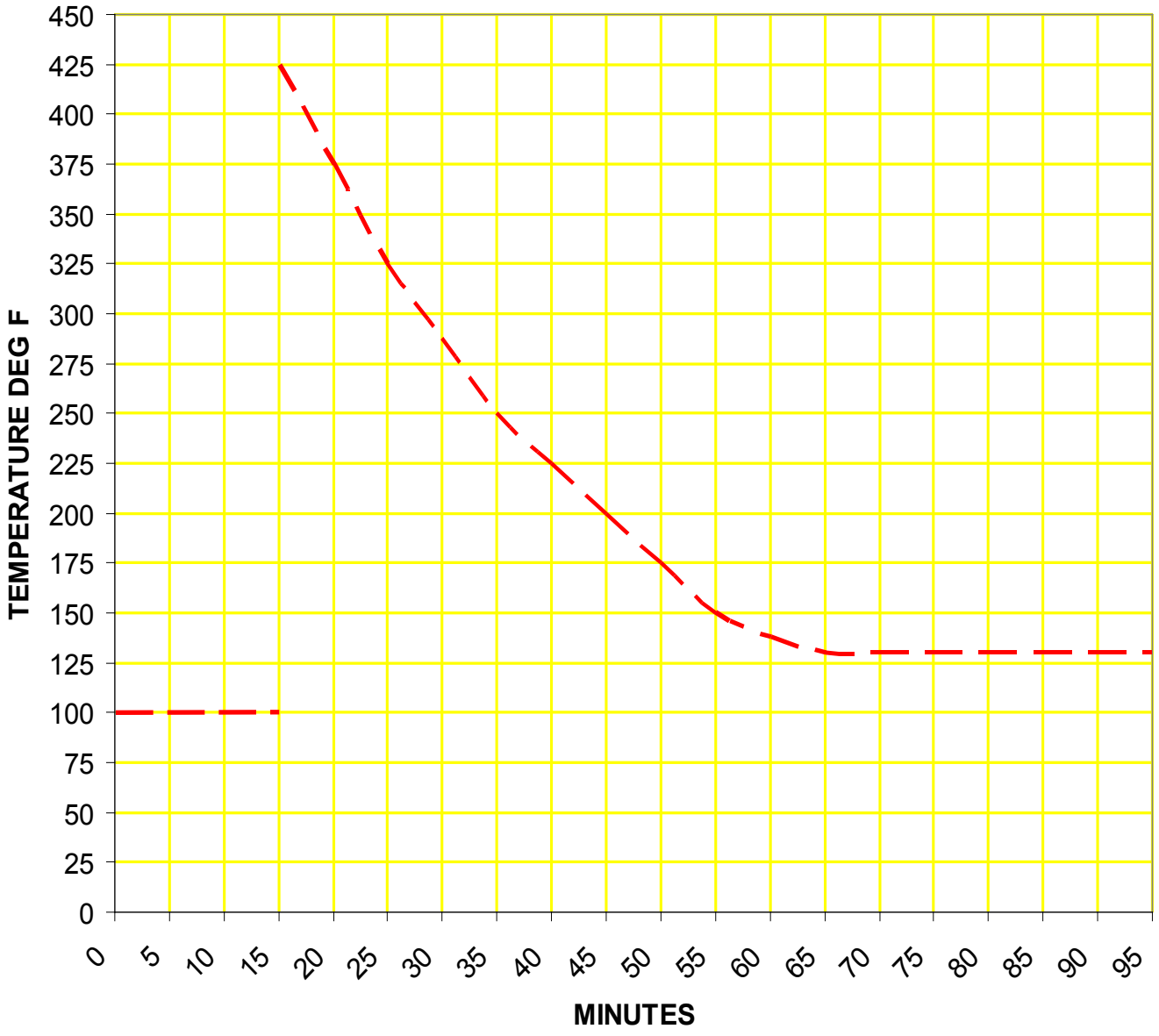
INITIATING CUE:

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.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425
400
375
350
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200
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150
125
100
75
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0
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60
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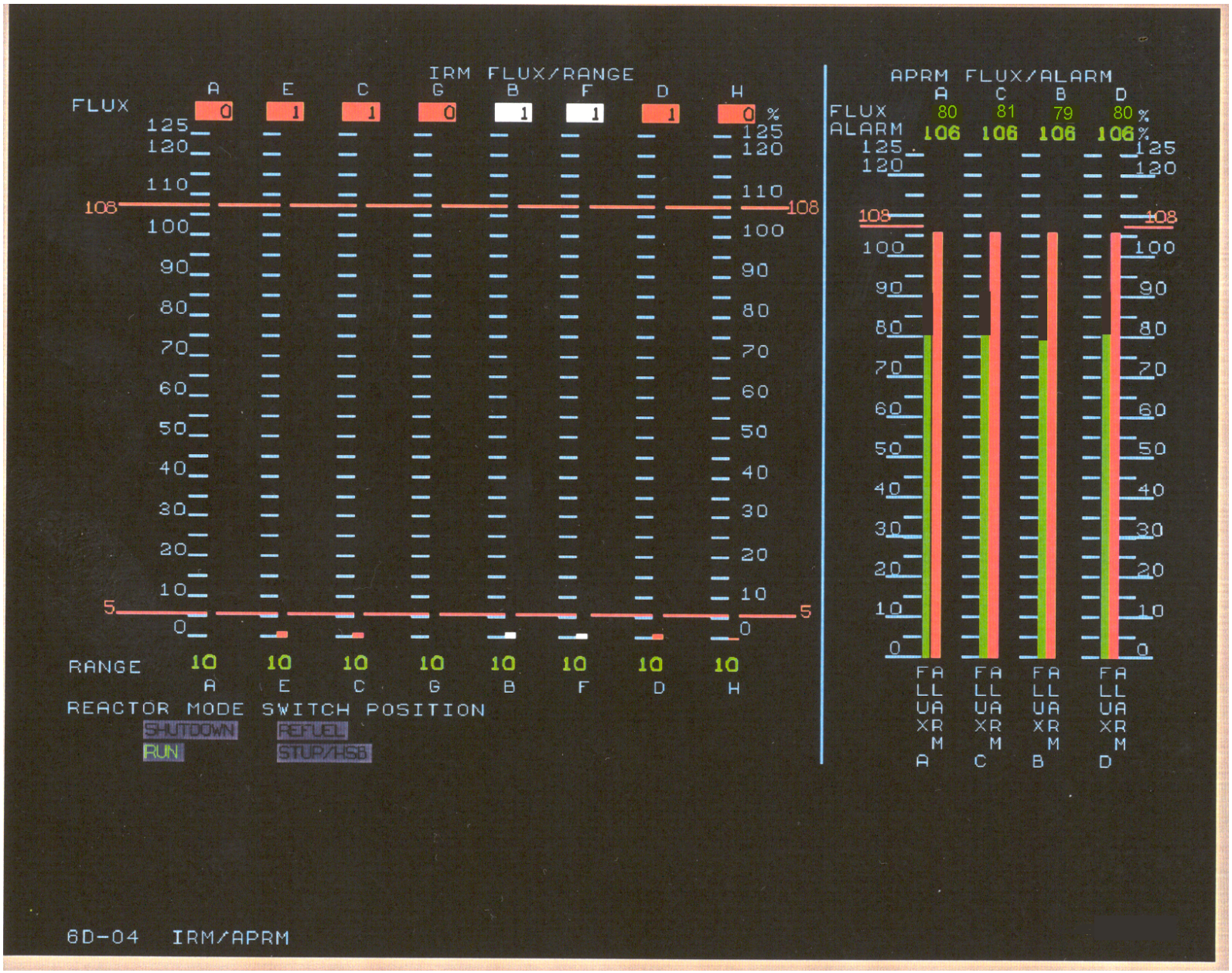
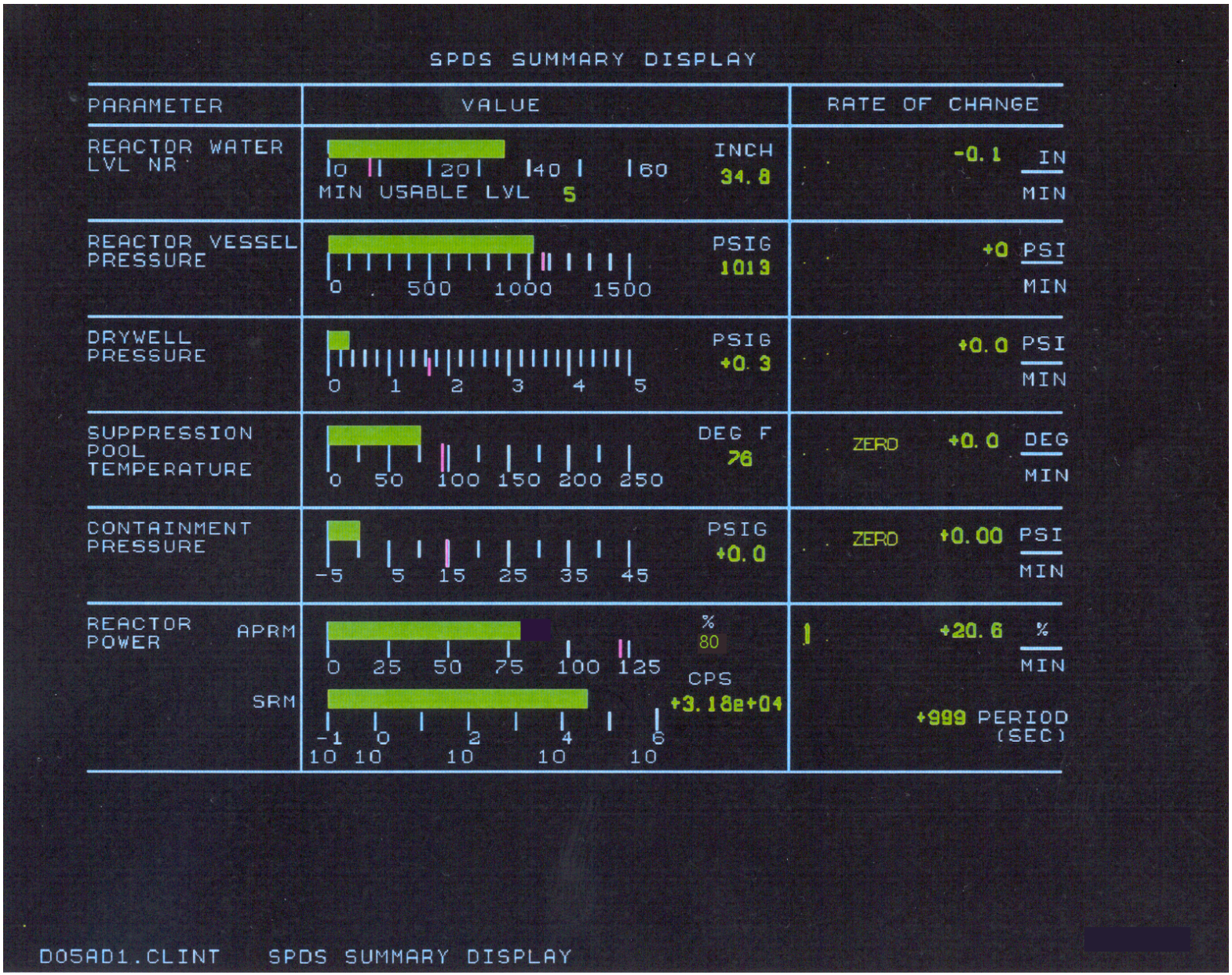
75
80
85
90
95
MINUTES

Attachments

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PARAMETER
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RATE OF CHANGE
REACTOR WATER LVL NR
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MIN USABLE LVL 5
INCH
34.8
-0.1 IN
MIN
REACTOR VESSEL PRESSURE
0 500 1000 1500
PSIG
1013
+0 PSI
MIN
DRYWELL PRESSURE
0 1 2 3 4 5
PSIG
+0.3
+0.0 PSI
MIN
SUPPRESSION POOL TEMPERATURE
0 50 100 150 200 250
DEG F
76
ZERO +0.0 DEG
MIN
CONTAINMENT PRESSURE
-5 5 15 25 35 45
PSIG
+0.0
ZERO +0.00 PSI
MIN
REACTOR POWER
APRM
0 25 50 75 100 125
%
80
+20.6 %
MIN
SRM
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+3.18e+04
+999 PERIOD (SEC)
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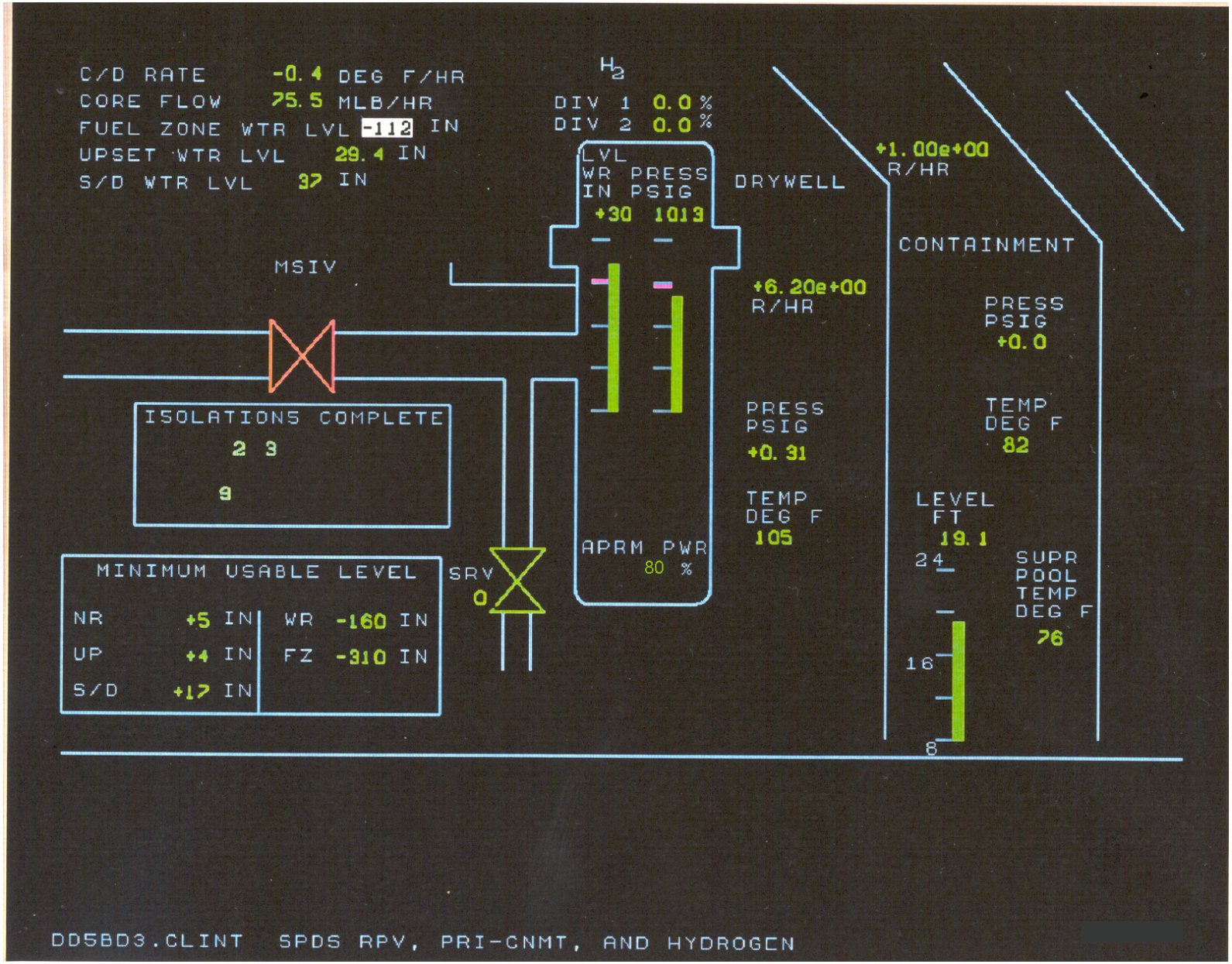
Attachments



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CLINTON POWER STATION

Job Performance Measure

Read Survey Map

JPM Number: 410

Revision Number: 01

Date: 08/31/2010

Developed By:	**T. Pickley**	**05/25/2011**
	Instructor	**Date**
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 areidentified.

_____ 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

Revision Record (Summary)

Clinton Power Station
Job Performance Measure (JPM)

Revision	Date	Description
00	08/31/10	New JPM.
01	05/25/11	Reformated

Clinton Power Station
Job Performance Measure (JPM)

Simulator Setup Instructions

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

1. Administrative

NOTE:	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.

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

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

Standard: 15K dpm/100 cm^2

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

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

Standard: 270 mr/hr

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

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

Standard: 60 mr/hr

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

***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 _____

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 Cert

JPM Title: Read Survey Map

JPM Number: JPM410 Revision Number: 00

Task 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 ☐ 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

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?	

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CLINTON POWER STATION

Job Performance Measure

Perform Offsite Source Power Verification

JPM Number: 441

Revision Number: 01

Date: 05/10/2011

Developed By:	**Tom Pickley**	**05/10/2011**
	Instructor	**Date**
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)

Revision	Date	Description
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.

NOTE:	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.

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 _____

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 _____

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:**	
	Preferred: 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 ≥ 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 ☐ UNSAT ☐ 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 ☐ UNSAT ☐ 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 ☐ UNSAT ☐ 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 _____

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}: ***Preferred***, as long as the North and South Buses are connected: South Bus (SY-DA501 or Meter) ☐ OR ***Alternate 1*:** North Bus (SY-DA502 or Meter) ☐	_____ 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 ≥ 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:

		Auto	Closed	Init
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: Auto Closed Init 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: Auto Closed Init 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 _____

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 ☐ SRO

JPM Title: Perform Offsite Source Power Verification

JPM Number: JPM441 Revision Number: 00

Task Number and Title: 908201.01Complete 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 ☐ 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:

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.

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Job Performance Measure

Print Reading/Tag out verification

JPM Number: JPM442

Revision Number: 00

Date: 04/25/2011

Developed By:	**W. D. Kiser**	**04/25/2011**
	Instructor	**Date**
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)

Revision	Date	Description
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 Cert

JPM Title: Print Reading/Tag out verification

JPM Number: JPM442 Revision Number: 00

Task 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 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

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:

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.

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CLINTON POWER STATION

Job Performance Measure

Review a Completed SRV Actuation Report

JPM Number: 444

Revision Number: 01

Date: 02/22/2011

Developed By:	**Tom Pickley**	**02/22/2011**
	Instructor	**Date**
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 areidentified.

_____ 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)

Revision	Date	Description
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 ___

***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 ___

Clinton Power Station
Job Performance Measure (JPM)

***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 Cert

JPM Title: Review a Completed SRV Actuation Report

JPM Number: JPM444 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	2.1.32		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.

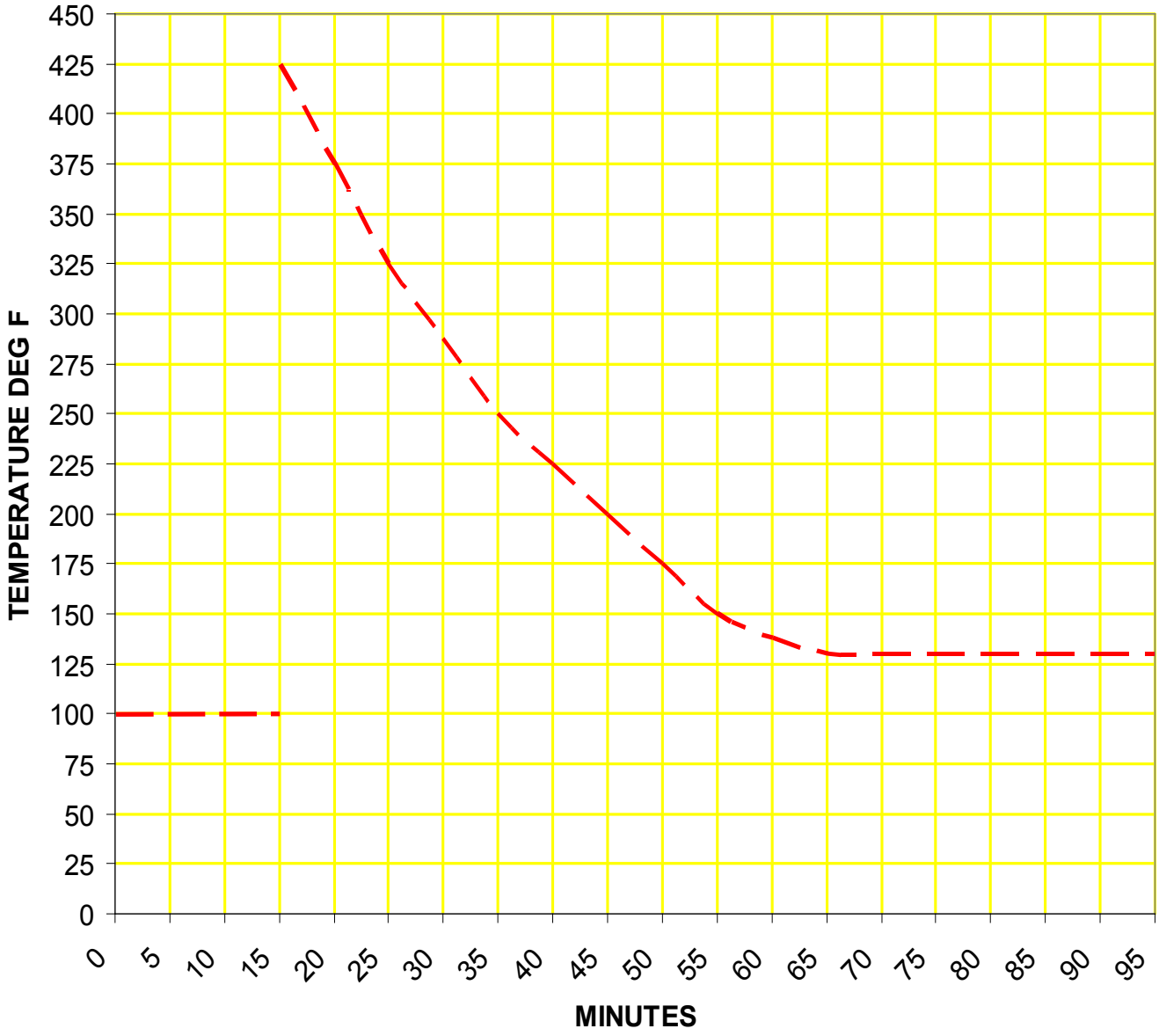
CPS 3831.01, SAFETY RELIEF VALVE REPORT has been completed.

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.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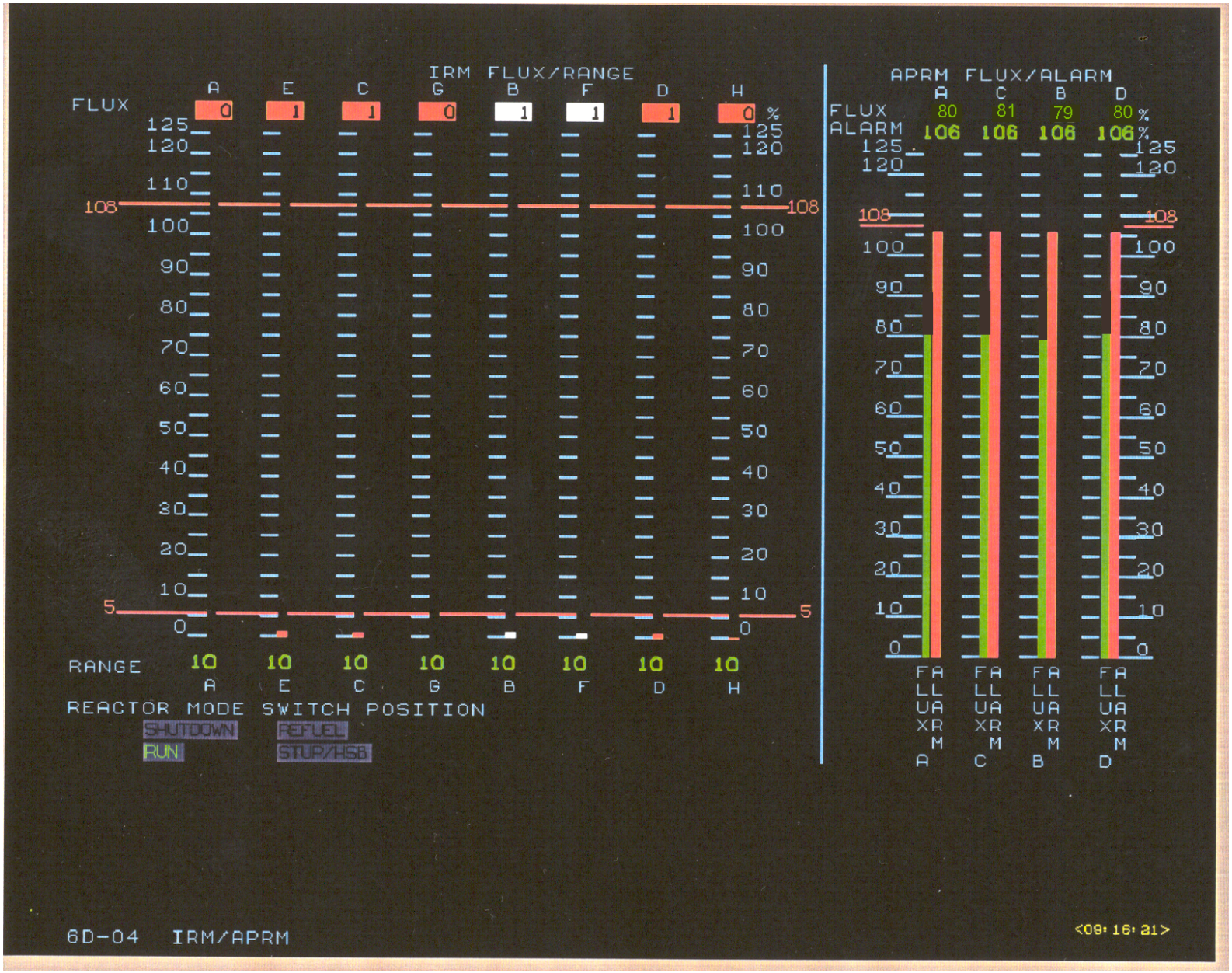
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FLUX
0 1 1 0 1 1 1 0 %
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RANGE
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A E C G B F D H
REACTOR MODE SWITCH POSITION
SHUTDOWN
REFUEL
RUN
STUP/HSB
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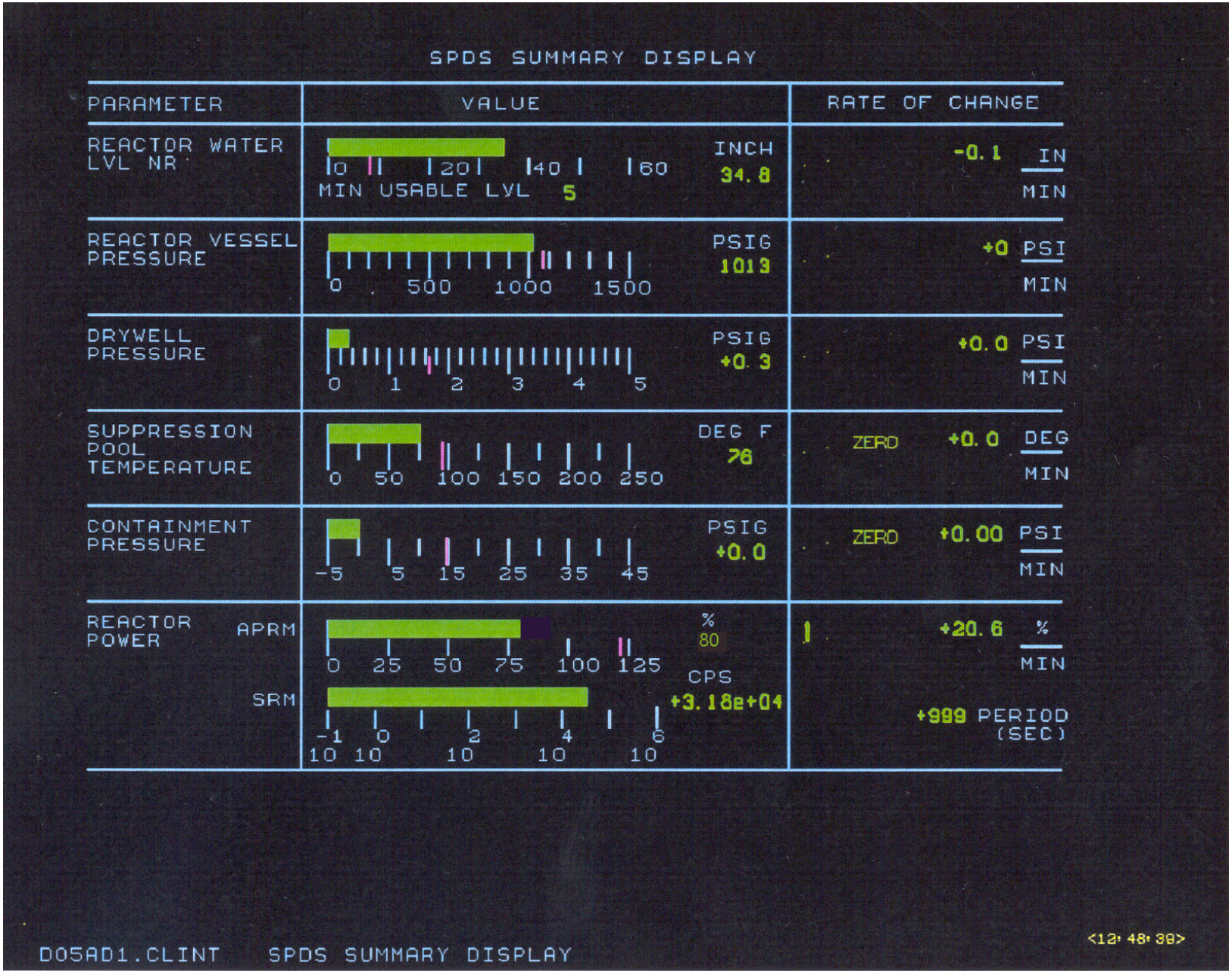
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VALUE
RATE OF CHANGE
REACTOR WATER LVL NR
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MIN USABLE LVL 5
INCH
34.8
-0.1 IN
MIN
REACTOR VESSEL PRESSURE
0 500 1000 1500
PSIG
1013
+0 PSI
MIN
DRYWELL PRESSURE
0 1 2 3 4 5
PSIG
+0.3
+0.0 PSI
MIN
SUPPRESSION POOL TEMPERATURE
0 50 100 150 200 250
DEG F
78
ZERO +0.0 DEG
MIN
CONTAINMENT PRESSURE
-5 5 15 25 35 45
PSIG
+0.0
ZERO +0.00 PSI
MIN
REACTOR POWER
APRM
0 25 50 75 100 125
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80
+20.6 %
MIN
SRM
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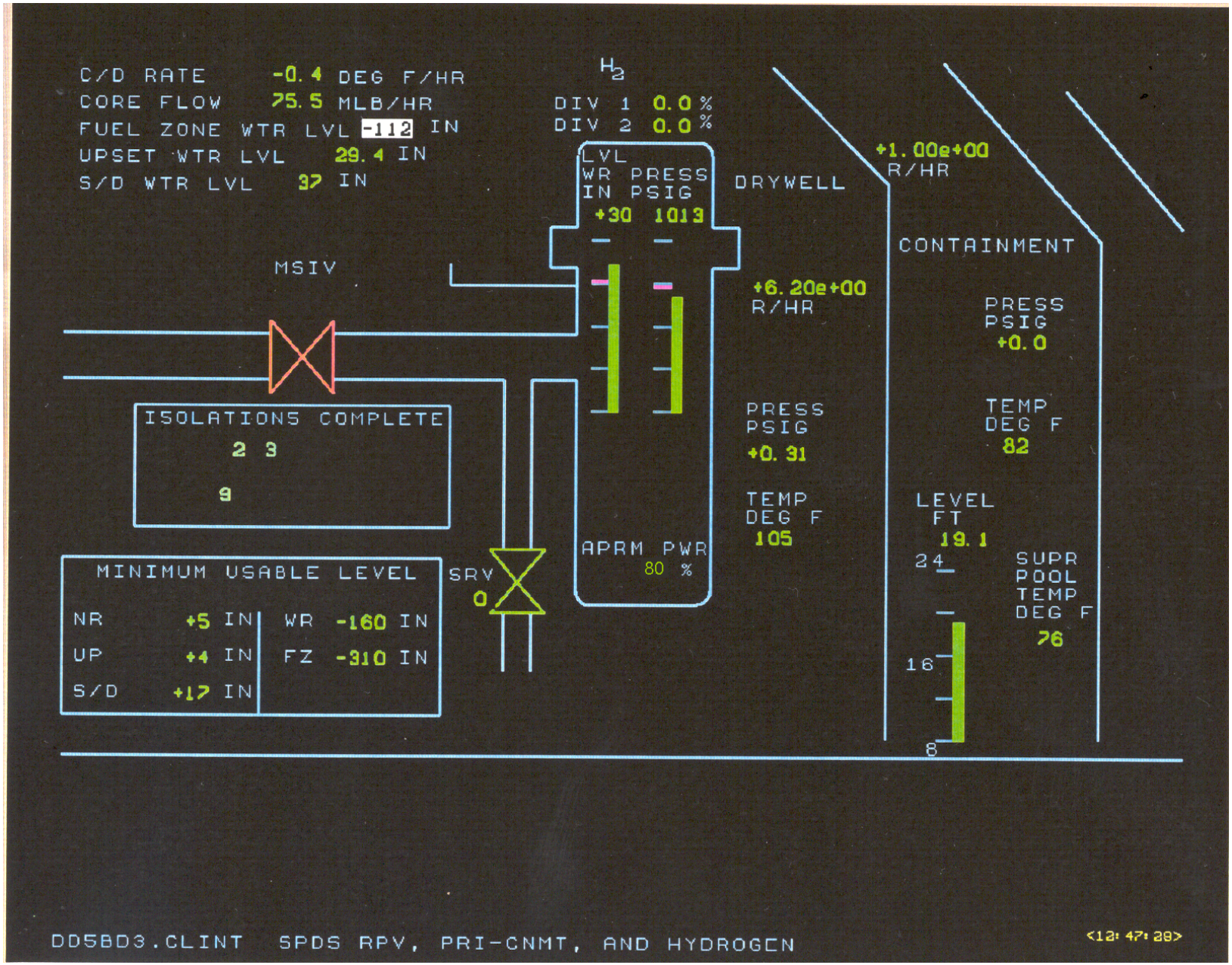
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CORE FLOW 75.5 MLB/HR
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UPSET WTR LVL 29.4 IN
S/D WTR LVL 37 IN
H2
DIV 1 0.0 %
DIV 2 0.0 %
LVL
WR PRESS
IN PSIG
+30 1013
DRYWELL
+1.00e+00
R/HR
CONTAINMENT
MSIV
+6.20e+00
R/HR
PRESS
PSIG
+0.0
ISOLATIONS COMPLETE
2 3
9
PRESS
PSIG
+0.31
TEMP
DEG F
82
TEMP
DEG F
105
LEVEL
FT
19.1
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16
8
SUPR
POOL
TEMP
DEG F
76
APRM PWR
80 %
SRV
0
MINIMUM USABLE LEVEL
NR +5 IN
UP +4 IN
S/D +17 IN
WR -160 IN
FZ -310 IN
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<12:47:28>

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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:	**T. Pickley**	**02/23/11**
	Instructor	**Date**
Validated By:		
	SME or Instructor	**Date**
Reviewed By:		
	Operations Representative	**Date**
Approved By:		
	Training Department	**Date**

SRRS: 3D.105 (when utilized for operator initial or continuing training)

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 12 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, 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)

Revision	Date	Description
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 _____

***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 _____

***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 _____

***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 Cert

JPM Title: Activate the Emergency Response Organization – Using the Backup Automated Call Out System.

JPM Number: JPM446 Revision Number: 00

Task 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 ☐ 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:

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.

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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:	**Tom Pickley**	**04/12/2011**
	Instructor	**Date**
Validated By:		
	SME or Instructor	**Date**
Reviewed By:		
	Operations Representative	**Date**
Approved By:		
	Training Department	**Date**

SRRS: 3D.105 (when utilized for operator initial or continuing training)

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 12 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, 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)

Revision	Date	Description
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)

***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 list 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 Cert

JPM Title: Authorize an Emergency Dose for a Life Saving Operation

JPM Number: JPM 450 Revision Number: 00

Task 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 ☐ 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:

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.