

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	08/31/10	New JPM

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

Simulator Setup Instructions

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

1. Reset the simulator to IC-01.

<p><u>NOTE:</u> 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>

2. Load the log taking JPM 412 lesson on the simulator.
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 OP-AA-101-111 Roles and Responsibilities of On-shift Personnel.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- Log sheet for panel walk down.
- Red pen available

PROCEDURAL/REFERENCES:

- Log sheet

EVALUATOR INSTRUCTIONS:

Instructions for evaluator, they should know/understand during JPM. The following are examples:

- Amplifying cues are provided within the JPM steps.

INITIAL CONDITIONS:

The plant is operating at 97% power.

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

INITIATING CUE:

CAUTION

- All pre-job briefings are completed.
- Do NOT shine any type light into a panel.

You are the 'B' RO complete hourly panel walk down.

Inform the CRS when you have completed the panel walk down and give the CRS the log sheet for review.

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 the MC and CY tank capacities are less than 66% combined**

Standard: Logs are circled in red or CRS informed

Cue: 1. None

Comments

SAT

UNSAT

Comment Number _____

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

2) Identifies the turbine generator gas pressure is less than 75 psig

Standard: Notifies CRS need to add hydrogen to main generator

Cue: IF asked: Another RO will dispatch area operator to add H2 to the generator.

Comments

SAT UNSAT Comment Number _____

***3) Identifies the FC pump amps are in the red zone of the meter**

Standard: Logs are circled in red or CRS informed

Cue: None

Comments

SAT UNSAT Comment Number _____

***4) ADS air pressures are out of band low**

Standard: Logs are circled in red or CRS informed

Cue: None

Comments

SAT UNSAT Comment Number _____

TERMINATING CUES:

Logs are completed and deficiencies identified.

STOP TIME: _____

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

Initial Conditions

The plant is operating at 97% power.

Initiating Cue

CAUTION

- All pre-job briefings are completed.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur. (This statement should be removed if this is a Simulator JPM)
- Do NOT shine any type light into a panel.

You are the 'B' RO complete hourly panel walk down.

Inform the CRS when you have completed the panel walk down and give the CRS the log sheet for review.

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
Rev # 00	8/31/2010	New JPM

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

Simulator Setup Instructions

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

1. Admin JPM.

<p><u>NOTE:</u> 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>

2. When the above steps are completed for this and other JPMs to be run concurrently, then validate the concurrently run JPMs if applicable.
3. 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 OP-AA-105-102 Rev.9.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- Attachment 1

PROCEDURAL/REFERENCES:

- OP-AA-105-102 Rev.9.

EVALUATOR INSTRUCTIONS:

- Amplifying cues are provided within the JPM steps.
- All pre-job briefings are completed.

INITIAL CONDITIONS:

The plant is operating at 98% power.

Today is 1/31/2011.

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

You have been asked to complete a license maintenance check on yourself prior to going home on your relief week IAW OP-AA-105-102 and the ESOMS log attachment.

Determine if you will be proficient for the next quarter. If not, determine the number of watches required to maintain proficiency. Based on the current report, on what day will your license be active until.

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) Candidate determines the minimum hours of watch standing for credit for proficiency has NOT been met.**

Standard: **Shift:** as defined for maintaining an active license must be a minimum of 8 hours in duration.

MAINTAIN an active license by actively performing the functions of RO, SRO, or SROL.

RO licenses by performing the duties of the Unit RO and/or Unit Assist RO for a minimum of seven 8-hour or five 12-hour shifts per calendar quarter, including turnover to the next shift. The second Unit Assist RO (fourth RO) can receive watchstanding credit because duties are analogous to the duties of the first Unit Assist RO (third RO - who is required by Technical Specifications).

Cue:

Comments

SAT

UNSAT

Comment Number _____

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

- *2) Candidate determines they need total of twenty more hours of watch standing in order to maintain their license active. Any one of the following combinations is acceptable.**
 - two twelve hours shifts
 - one twelve hour and one eight hour
 - three eight hour shifts

Standard: The hours that are less than 8 hours do not count and the candidate determines that they need a minimum of two shifts before the quarter expires to keep the license active.

Cue:

Comments

SAT

UNSAT

Comment Number _____

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

3) Candidate determines their license will be active until 31 March 2011.

Standard: If the candidates determines all hours count they would conclude that their license would be active until Q-2 June 30th 2011.

Cue:

Comments

SAT

UNSAT

Comment Number _____

TERMINATING CUES:

Candidate has determined based on the log report from ESOMS that they need two more shifts.

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

Job Title: [] NLO [] RO [] SRO [] STA [] SRO Cert

JPM Title: License Maintenance Check

JPM Number: 409 Admin B Revision Number: 00

Task Number and Title: LP85801.2.1.4 Knowledge of individual licensed operator responsibilities related to shift staffing, such as medical requirements, "no solo" operation, maintenance of active license status, 10CFR55, etc.

Table with 3 columns: K/A System, K/A Number, Importance (RO/SRO). Row 1: Generic, 2.1.4, 3.3

Suggested Testing Environment: Class Room

Actual Testing Environment: [] Simulator [] Plant [] Control Room

Testing Method: [] Simulate [] Perform Faulted: [] Yes [] No Alternate Path: [] Yes [] No

Time Critical: [] Yes [x] No

Estimated Time to Complete: 14 minutes Actual Time Used: _____ minutes

References: OP-AA-105-102 Rev.9

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 98% power.

Today is 1/31/2011.

Initiating Cue

You have been asked to complete a license maintenance check on yourself prior to going home on your relief week IAW OP-AA-105-102 and the ESOMS log attachment.

Determine if you will be proficient for the next quarter. If not, determine the number of watches required to maintain proficiency. Based on the current report, on what day will your license be active until.

JPM Number: JPM411

**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

JPM Number: JPM411

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

Revision Record (Summary)

Revision	Date	Description
00	8/31/10	New JPM

JPM Number: JPM411

**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 Attachment 14 Part 1 and 2.

PROCEDURAL/REFERENCES:

- The evolution completed IAW with OP-AA-109-101 R3.

EVALUATOR INSTRUCTIONS:

- Passport and EDMS are down.

JPM Number: JPM411

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

INITIAL CONDITIONS:

The plant is at rated conditions and CCW pump B needs to be tagged out for oil change. Passport and EDMS are down.

INITIATING CUE:

CAUTION

- All pre-job briefings are completed.
- Do NOT shine any type light into a panel.

Determine if the provided clearance order has adequate boundaries. Perform independent technical review of the worker tag out.

START TIME: _____

JPM Number: JPM411

**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) Verifies 1HSCC005 in correct position

Standard: Determines that 1HSC005 is in the correct position Pull to Lock (PTL)

Cue:

Comments

SAT

UNSAT

Comment Number _____

JPM Number: JPM411

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

***2) Verifies 1CC002A is the incorrect component.**

Standard: Determines that 1CC002A is incorrect and should be 1CC002B

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

Comments

SAT UNSAT Comment Number _____

3) Verifies 1CC225B is the correct component.

Standard: Verifies 1CC225B is the correct component.

Cue:

Comments

SAT UNSAT Comment Number _____

***4) Verifies 1AP08EN is NOT correct position.**

Standard: Determines that 1AP08EN is NOT in the correct position RACKED OUT.
L/O is locked open.

Cue:

Comments

SAT UNSAT Comment Number _____

TERMINATING CUES:

Applicant submits his attachment 14 parts one and two of OP-AA-109-101. Based on the wrong breaker position and wrong valve.

STOP TIME: _____

JPM Number: JPM411

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

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 at rated conditions and CCW pump B needs to be tagged out for oil change. Passport and EDMS are down.

CAUTION

- All pre-job briefings are completed.
- Do NOT shine any type light into a panel.

Initiating Cue

Determine if the provided clearance order has adequate boundaries. Perform independent technical review of the worker tag out.

JPM Number: 410
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

Revision Record (Summary)

JPM Number: 410
Clinton Power Station
Job Performance Measure (JPM)

Revision	Date	Description
00	08/31/10	New JPM

JPM Number: 410
Clinton Power Station
Job Performance Measure (JPM)

Simulator Setup Instructions

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

1. Administrative

<p><u>NOTE:</u> 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>

2. Attachment 1 is the survey map.

3. Attachment 2 is the Question sheet.

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

5. This completes the setup for this JPM.

JPM Number: 410
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.

INITIAL CONDITIONS:

The plant is operating at 97%.

JPM Number: 410
Clinton Power Station
Job Performance Measure (JPM)

INITIATING CUE:

Your preparing to enter the RT 'B' Pump room to vent RT Pump per 3303.01 section 8.1.4.3.

You have been tasked with reviewing the survey map and identifying the items listed on Enclosure 2 and determining your dose if you stay by RT pump 'B' valve 1G33F010B for 4 minutes.

START TIME: _____

JPM Number: 410
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?

Standard:

Cue:

Comments

SAT

UNSAT

Comment Number _____

JPM Number: 410
Clinton Power Station
Job Performance Measure (JPM)

*2) What is the highest contact radiation level?

Standard:

Cue:

Comments

SAT

UNSAT

Comment Number _____

*3) What is the highest dose rate level?

Standard:

Cue:

Comments

SAT

UNSAT

Comment Number _____

JPM Number: 410
Clinton Power Station
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*4) Where is the low dose waiting area after entering the HCA?

Standard:

Cue:

Comments

SAT

UNSAT

Comment Number _____

5) What is the dose for venting RT pump 'B'?

Standard:

Cue:

Comments

SAT

UNSAT

Comment Number _____

TERMINATING CUES:

The candidate turns in the answer sheet.

STOP TIME: _____

**JPM Number: 410
Clinton Power Station
Job Performance Measure (JPM)**

What is the highest contamination level?	15K
What is the highest contact radiation level ?	700 mr on the 1G33F005B
What is the highest general area dose rate level?	60 mr
Where is the low dose waiting area after entering the HCA?	Z—120 at 8 mr
What is the estimated dose for venting RT pump 'B' ?	4min/60minX60mr/hr=4mr

Answer Key

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

Initial Conditions

The plant is operating at 97%.

Initiating Cue

Your preparing to enter the RT 'B' Pump room to vent RT Pump per 3303.01 section 8.1.4.3.

You have been tasked with reviewing the survey map and identifying the items listed on Enclosure 2 and determining your dose if you stay by RT pump 'B' valve 1G33F010B for 4 minutes.

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

Enclosure 2

What is the highest contamination level?	
What is the highest contact radiation level level?	
What is the highest general area dose rate level?	
Where is the low dose waiting area after entering the HCA?	
Determine your dose if you stay by RT pump 'B' valve 1G33F010B for 4 minutes?	