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CLINTON POWER STATION

Job Performance Measure

Manually Valve in ADS Backup Air Bottles during a Station Blackout

JPM Number: JPM223

Revision Number: 01

Date: 05/14/2009

Developed By:	**Tom Pickley**	**05/14/09**
	Instructor	**Date**
Validated By:	**T. French**	**7/1/2009**
	SME or Instructor	**Date**
Reviewed By:	**J. Lucas**	**7/1/2009**
	Operations Representative	**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 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:

Current Procedure Rev. _____ Date: _____

Procedure Rev. Referenced _____ Date: _____

- If the Current Procedure Rev. and the Procedure Rev. Referenced are different then revise the JPM.

_____ 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	06/19/2007	Updated numbering convention. Old JPM number: 31010117NSN01.
01	05/14/2009	Updated 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:

- ADS Backup Air Bottles are placed in service by manually opening 1IA012A and 1IA013A IAW CPS 3101.01, Main Steam.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- None.

PROCEDURAL/REFERENCES:

- CPS 3101.01, Main Steam, Rev 20e.

EVALUATOR INSTRUCTIONS:

- Amplifying cues are provided within the JPM steps.
- Provide examinee the procedure.
- Do NOT allow examinee to shine any type light into a panel.
- All pre-job briefings are completed.

Clinton Power Station
Job Performance Measure (JPM)

INITIAL CONDITIONS:

A Station Blackout has occurred and the ADS Backup Air Bottles are required to be put on service.

INITIATING CUE:

CAUTION

- All pre-job briefings are completed.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** actions will occur.
- Do NOT shine any type light into a panel.

You are directed to manually place the ADS Backup Air Bottles in service in accordance with CPS 3101.01, Main Steam. The Containment is not accessible due to SRV actuations; therefore, it is permissible to leave 1IA12B & 1IA13B open.

Report the completion of the task to the CRS.

Note to Evaluator: CPS 4200.01 gives permission to leave 1IA12B & 1IA13B open during a Station Blackout.

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 3101.01 MAIN STEAM

Evaluator Note: The operator should know that no power is available to 1IA012A, 1IA012B, 1IA013A & 1IA013B. If operator checks 1H13-P800, then inform operator both the GREEN and RED indicating lights for all 4 valves are OFF.

***8.2.4.1** **Open 1IA012A.**

Standard: Examinee locates 1IA012A and simulates engaging handwheel by pulling "declutch" lever down and turning handwheel in the COUNTERCLOCKWISE direction while observing stem movement until valve is FULL OPEN.

Cue:
- The lever you identified is in the position you described.
- The valve you identified is in the position you described.

Comments
- Both the lever and handwheel have arrows indicating the correct direction.
- Located in Aux Bldg 762' East inside Gas Control Boundary far corner. Valve is approximately 9 ft. up and above a 'C' zone.
- **ALARA - This area is posted as a RAD AREA. Once valve is located have examinee move out of posted area to a similar valve and have examinee explain how to manually open valve.**
- **If the area is posted requiring permission to enter (due to the 2007 Spent Fuel Pool re-rack project), do not enter the area. Have examinee describe the approximate location and go to a similar valve and have examinee explain how to manually open valve.**
- RP should be contacted for survey requirements.

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

***8.2.4.2 Open 1IA013A.**

Standard:	Examinee locates 1IA013A and simulates engaging handwheel by pulling "declutch" lever down and turning handwheel in the COUNTERCLOCKWISE direction while observing stem movement until valve is FULL OPEN.
Cue:	• The lever you identified is in the position you described. • The valve you identified is in the position you described.
Comments	• Both the lever and handwheel have arrows indicating the correct direction. • Located in Fuel Bldg 781' West above Div 1 H_2O_2 skid (~ 8 ft up at the Cnmt wall). • RP should be contacted for survey requirements. • Ladder storage area in TB 781' SW corner. Once the ladder has been located have the examinee explain how to manually open the valve. • **If the area is posted requiring permission to enter (due to the 2007 Spent Fuel Pool re-rack project), do not enter the area. Have examinee describe the approximate location and go to a similar valve and have examinee explain how to manually open valve.** Note: There is a similar MOV on 781' West in the Gas Control Boundary SAT ☐ UNSAT ☐ Comment Number _____

TERMINATING CUES:

1IA012A and 1IA013A are open.

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

Job Title: ☐ NLO ☐ RO ☐ SRO ☐ STA ☐ SRO Cert

JPM Title: Manually Valve in ADS Backup Air Bottles during a Station Blackout

JPM Number: JPM223 Revision Number: 01

Task Number and Title: 310101.17 Place ADS back up air bottles in service with a loss of AC power.

K/A System	K/A Number	Importance (RO/SRO)	
218000	A2.03	3.4	3.6
295003	AA1.03	4.4	4.4

Suggested Testing Environment: Plant

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: 17 minutes Actual Time Used: _____ minutes

References: CPS 3101.01, MAIN STEAM, Rev 20e.

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: _____

_____

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_____

_____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ Date: _____

Initial Conditions

A Station Blackout has occurred and the ADS Backup Air Bottles are required to be put on service.

Initiating Cue

CAUTION

- All pre-job briefings are completed.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** actions will occur.
- Do NOT shine any type light into a panel.

You are directed to manually place the ADS Backup Air Bottles in service in accordance with CPS 3101.01, Main Steam. The Containment is not accessible due to SRV actuations; therefore, it is permissible to leave 1IA12B & 1IA13B open.

Report the completion of the task to the CRS.

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CLINTON POWER STATION

Job Performance Measure

VENT Primary Containment
TO SPENT FUEL POOL
USING FC RETURN HEADER

JPM Number: JPM022

Revision Number: 00

Date: 03/30/2007

Developed By:	**G. D. Setser**	**07/23/07**
	Instructor	**Date**
Validated By:	**T. Pickley**	**7/1/2009**
	SME or Instructor	**Date**
Reviewed By:	**J. Lucas**	**7/1/2009**
	Operations Representative	**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 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:

Current Procedure Rev. _____ Date: _____

Procedure Rev. Referenced _____ Date: _____

- If the Current Procedure Rev. and the Procedure Rev. Referenced are different then revise the JPM.

_____ 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	03/30/07	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.

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

TASK STANDARDS:

- Lineup D of CPS 4411.06 complete.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- None

PROCEDURAL/REFERENCES:

- CPS 4411.06, Emergency Containment Venting, Purging, and Vacuum Relief, rev. 4b.

EVALUATOR INSTRUCTIONS:

- Amplifying cues are provided within the JPM steps.
- Provide examinee a marked-up copy of CPS 4411.06 showing steps 2.5.1, 2.5.2, and 2.5.3 completed.
- Do NOT allow examinee to shine any type light into a panel.
- All pre-job briefings are completed including RP.

Clinton Power Station
Job Performance Measure (JPM)

INITIAL CONDITIONS:

- The plant has experienced a high containment pressure condition.
- Preparations are underway to initiate venting containment to the spent fuel pool using the FC return header IAW CPS 4411.06 section 2.5.
- Steps 2.5.1, 2.5.2, and 2.5.3 are complete.

Initiating Cue

CAUTION

- All pre-job briefings are completed including RP.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur
- Do NOT shine any type light into a panel.

- You have been directed by the MCR to perform Lineup D, Vent To Spent Fuel Pool Using FC Return Header (step 2.5.4 of CPS 4411.06)

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

4411.06 Lineup D, VENT TO SPENT FUEL USING FC RETURN HEADER

Fuel Bldg 737', AH-121 (By CRD Rebuild Room)

*** Valve 1FC012A**	**CNMT Pools Drn to Surge Tank**
	Position: SHUT
Standard:	Simulates removing locking pin and shutting 1FC012A
Cue:	• Locking pin is removed. • Valve operating handle in the position you have indicated.

NOTE

Valve appears in other lineups and may already be repositioned as needed. If 1FC012A is already in shut position, provide initial indication to performer that actual position is OPEN with locking pin installed to allow for performance (simulated) of this step.

Do NOT allow examinee to reposition valve –
SIMULATED ACTIONS ONLY

Comments

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

*** Valve 1FC012B**	**CNMT Pools Drn to Spent Fuel Pool** **Position: OPEN**
Standard:	Simulates opening 1FC012B.
Cue:	• Valve operating handle is in the position you have indicated. Note: Moves Counter Clockwise to open Provide cue that there is no reason to believe remainder of components are not in the necessary positions.

NOTE
Do NOT allow examinee to reposition valve –
SIMULATED ACTIONS ONLY

Comments:

SAT ☐ UNSAT ☐ Comment Number _____

NOTE

The remaining lineup consists of components which are normally in the position required for the performance of this evolution.

Unless there is reason to believe these components are not in the necessary position, then the remainder of this lineup need not be performed

Provide cue that there is no reason to believe remainder of components are not in the necessary positions.

TERMINATING CUES:

1FC012A is SHUT, 1FC012B is OPEN

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

Job Title: ☐ NLO ☐ RO ☐ SRO ☐ STA ☐ SRO Cert

JPM Title: VENT Primary Containment TO SPENT FUEL POOL USING FC RETURN HEADER

JPM Number: JPM022 Revision Number: 00

Task Number and Title: 441106.04 VENT Primary Containment TO SPENT FUEL POOL USING FC RETURN HEADER

K/A System	K/A Number	Importance (RO/SRO)	
295024	EA1.18	3.6	3.6

Suggested Testing Environment: Plant

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: 15 minutes Actual Time Used: _____ minutes

References: CPS 4411.06, Emergency Containment Venting, Purging, and Vacuum Relief – LINEUP D, rev. 4b

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 has experienced a high containment pressure condition.
- Preparations are underway to initiate venting containment to the spent fuel pool using the FC return header IAW CPS 4411.06 section 2.5.
- Steps 2.5.1, 2.5.2, and 2.5.3 are complete.

Initiating Cue

CAUTION

- All pre-job briefings are completed including RP.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur
- Do NOT shine any type light into a panel.

- You have been directed by the MCR to perform Lineup D, Vent To Spent Fuel Pool Using FC Return Header (step 2.5.4 of CPS 4411.06)

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CLINTON POWER STATION

Job Performance Measure

WT System operation to support the Mechanical Vacuum Pump during an ATWS

JPM Number: JPM108

Revision Number: 00

Date: 02/25/09

Developed By:	**Tom Pickley**	**02/25/09**
	Instructor	**Date**
Validated By:	**T. French**	**7/1/2009**
	SME or Instructor	**Date**
Reviewed By:	**J. Lucas**	**7/1/2009**
	Operations Representative	**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 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:

Current Procedure Rev. _____ Date: _____

Procedure Rev. Referenced _____ Date: _____

- If the Current Procedure Rev. and the Procedure Rev. Referenced are different then revise the JPM.

_____ 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	Upgrade from old 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:

- Simulates (Area Operator portion) Lineup of The Turbine Building Closed Cooling Water System to support Mechanical Vacuum Pump "B" Startup IAW CPS 3204.01 Turbine Building Closed Cooling Water (WT), Rev 10f.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- None

PROCEDURAL/REFERENCES:

- CPS 3204.01 Turbine Building Closed Cooling Water (WT), Rev 11.

EVALUATOR INSTRUCTIONS:

- Amplifying cues are provided within the JPM steps.
- When requested the evaluator will portray the RP tech sent with the Operator.
- Provide Operator with a copy of CPS 3204.01, Turbine Building Closed Cooling Water, Rev 10f, when initiating cue is given.
- Do NOT allow examinee to shine any type light into a panel.
- All pre-job briefings are completed.

INITIAL CONDITIONS:

- Following a malfunction with the operating Steam Jet Air Ejector (SJAE) the plant was manually scrammed. The Reactor is currently at 3% Power with an ATWS in progress.
- With a loss of the SJAE's it was directed by the CRS to startup the "B" Main Condenser Vacuum Pump to maintain the Main Condenser as a heat sink to minimize putting heat into containment via SRV's.
- The CRS has determined that due to emergency conditions, flushing the IDLE WT Hx is not required, and only the "B" Vacuum Pump will be put in service.
- The "B" WT Heat Exchanger is currently in service

Clinton Power Station
Job Performance Measure (JPM)

INITIATING CUE:

CAUTION

- All pre-job briefings are completed.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.
- Do NOT shine any type light into a panel.

- You are an extra operator.
- The MCR has directed you to lineup the TBCCW System per CPS 3204.01 step 8.2.1.1 thru and including step 8.2.1.5, as required to support the Startup of the "B" Main Condenser Vacuum Pump.
- Due to emergency conditions Radiation Protection (RP) will accompany you.
- Inform the MCR when the task is complete.

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 3204.01 Turbine Building Closed Cooling Water

8.2.1 Cooling Condenser Vacuum Pump(s) with TBCCW (WT) (Normal Method)

***8.2.1.1** **Verify TBCCW is lined up to 'B' Condenser Vacuum Pump by:**
1) Open/verify Open 1WT067, Radwaste Bldg Supply Hdr Isol Valve.
2) Open 0WT001B, Condenser Vacuum Pump 1B Inlet
3) IF: Only one vacuum pump is to be used
THEN: Verify shut/shut 0WT001A, Condenser Vacuum Pump 1A Inlet.

Standard: Simulates opening/verify open 1WT067 and 0WT001B by turning handwheel in Counter-Clockwise direction.
Simulates shutting/verifying shut 0WT001A by turning handwheel in Clockwise direction.

Cue: 1WT067 is open when examinee checks.
0WT001B is SHUT. When the examinee simulates opening 0WT001B by turning handwheel in Counter-Clockwise direction, 0WT001B is now open.
0WT001A is shut when examinee checks.

Comments: 1WT0067 in 712' Turbine Bldg East
0WT001(A) & (B) in 762' Radwaste

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

***8.2.1.2 Place idle TBCCW Heat Exchanger in-service:**

1) Flush per steps 8.1.3.1; if time permits, there will be sufficient time to flush the oncoming heat exchanger during plant startup
2) **Establish the shell side flow (TBCCW) on the on-coming TBCCW Heat Exchanger 1WT01AA by:**
   a) Verify open 1WT004A, TBCCW Hx 1A Inlet.
   b) Open 1WT005A, TBCCW Hx 1A Outlet.
3) **Open/verify open both:**
   a) 1WS011B, TBCCW Hx 1B Outlet Isolation.
   b) 1WS011A, TBCCW Hx 1A Outlet Isolation.

Standard:

1) Flushing will not be performed per initial conditions.
2) a) Verify open 1WT004A by checking position indication,
   b) Simulates opening 1WT005A by turning handwheel in Counter-Clockwise direction.
3) a) Verify open 1WS011B by checking position indication,
   b) Simulates opening 1WS011A by turning handwheel in Counter-Clockwise direction.

Cue:

Yes, the flush is N/A.
1WT004A is open when examinee checks.
1WT005A is SHUT. When the examinee simulates opening 1WT005A by turning handwheel in Counter-Clockwise direction, 1WT005A is now open.
1WS011A is SHUT. When the examinee simulates opening 1WS011A by turning handwheel in Counter-Clockwise direction, 1WS011A is now open.
1WS011B is open when examinee checks.

Comments

SAT ☐ UNSAT ☐ Comment Number _____

8.2.1.3	(if available) Vent idle (second) WT pump casing using the pump casing petcock (direct liquid to suitable container or floor drain).
Standard:	Simulates opening available petcock, observing solid stream of water, then closing petcock
Cue:	Vent is open – solid stream of water is flowing from vent. Vent is shut
Comments	Directing flow to floor drain should be considered optional due to emergency situation
	SAT ☐ UNSAT ☐ Comment Number _____

8.2.1.4	Start the second TBCCW pump, 1WT01PA(B).
Standard:	Simulates contacting the MCR, “Ready for you to start second TBCCW pump”.
Cue:	Acknowledge as MCR. Inform operator that second WT pump, 1WT01PA(B), is running.
Comments	
	SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

*** 8.2.1.5**	**Open 1WT066, Radwaste Bldg Return Header Isolation Valve.**
Standard:	Has RP perform survey to operate valve. Simulates opening 1WT066 by turning handwheel in Counter-Clockwise direction.
Cue:	As RP, acknowledge request and cue operator that survey is complete, levels are less than background. 1WT066 is SHUT. When the examinee simulates opening 1WT066 by turning handwheel in Counter-Clockwise direction, 1WT066 is now open.
Comments	1WT066 is overhead 712' Turbine Building South. Opening 1WT066 is the critical portion of this step. Ladder to get to valve is in nearby storage area. SAT ☐ UNSAT ☐ Comment Number _____

TERMINATING CUES:

The TBCCW system is lined up to support "B" Condenser Vacuum Pump operation.

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

Job Title: ☐ NLO ☐ RO ☐ SRO ☐ STA ☐ SRO Cert

JPM Title: WT System operation to support the Mechanical Vacuum Pump during an ATWS

JPM Number: JPM108 Revision Number: 00

Task Number and Title: 320401.05 Cool Condenser Vacuum Pump with TBCCW (WT)

K/A System	K/A Number	Importance (RO/SRO)	
295002	AK1.03	3.6	3.8

Suggested Testing Environment: Plant

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 3204.01 Turbine Building Closed Cooling Water (WT), Rev 11.

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

- Following a malfunction with the operating Steam Jet Air Ejector (SJAE) the plant was manually scrammed. The Reactor is currently at 3% Power with an ATWS in progress.
- With a loss of the SJAE's it was directed by the CRS to startup the "B" Main Condenser Vacuum Pump to maintain the Main Condenser as a heat sink to minimize putting heat into containment via SRV's.
- The CRS has determined that due to emergency conditions, flushing the IDLE WT Hx is not required, and only the "B" Vacuum Pump will be put in service.
- The "B" WT Heat Exchanger is currently in service

Initiating Cue

CAUTION

- All pre-job briefings are completed.
- No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.
- Do NOT shine any type light into a panel.

- You are an extra operator.
- The MCR has directed you to lineup the TBCCW System per CPS 3204.01 step 8.2.1.1 thru and including step 8.2.1.5, as required to support the Startup of the "B" Main Condenser Vacuum Pump.
- Due to emergency conditions Radiation Protection (RP) will accompany you.
- Inform the MCR when the task is complete.