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CLINTON POWER STATION

Job Performance Measure

Manual Transfer of Distribution Panel Loads (NSPS Solenoid / RPS)
from ALTERNATE POWER to INVERTER

JPM Number: JPM026

Revision Number: 02

Date: 02/18/2011

Developed By:	**T Pickley**	**02/18/2011**
	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 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 asterisk an (*)
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	06/11/07	New JPM.
01	08/31/10	Updated Format. Updated Procedure Revision Number.
02	02/18/11	Updated Procedure Revision Number and K/A.

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:

- Manually Transfer of Distribution Load Panel Loads (NSPS Solenoid) (RPS) FROM Alternate Power TO the Inverter IAW CPS 3509.01, Rev 020b, INSTRUMENT POWER SYSTEM (IP).

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- None

PROCEDURAL/REFERENCES:

- CPS 3509.01, Rev 020b, INSTRUMENT POWER SYSTEM (IP)

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:

- Plant is in Mode 1.
- RPS Solenoid Inverter "A" has just been restored from a short maintenance period.
- The RPS Solenoid Inverter "A" has been energized per Section 8.3.6 steps 1 and 2. It is now desired to transfer the Dist. Panel loads back to the inverter per step 8.3.4.
- MSIV solenoid currents have been verified normal (solenoids are reset).
- The A and B solenoids for each Control Rod have been verified energized.

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 Transfer Distribution Panel loads for RPS Solenoid Bus "A" FROM Alternate Power TO the Inverter per 3509.01, section 8.3.4.

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

CAUTION

When the Inverter Transfer Switch is moved from the BYPASS position, it moves from the BYPASS position to the OFF position before moving to the INVERTER position. This will initiate a HALF SCRAM if the other bus is energized or a FULL SCRAM if the other bus is deenergized. This could cause a single rod scram if the other solenoid is deenergized. Also, 120 VAC Output Bkr, CB-3 will trip OFF due to the Power Monitor.

CPS No. 3509.01, Instrument Power System (IP)
8.3.4 Manual Transfer of Distribution Panel Loads (NSPS Solenoid) (RPS) FROM Alternate Power TO the Inverter

	8.3.4.1	Verify LOSS OF SYNC lamp not illuminated.
Standard:	At RPS Solenoid Inverter "A" verifies the loss of sync lamp is not illuminated.	
Cue:	1.	Loss of sync lamp is not illuminated – (NOTE: Ensure operator is at RPS Solenoid Inverter "A".)
Comments		

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

8.3.4.2 **IF** MSIVs are open,
THEN Verify MSIV solenoids are reset using ammeters in NSPS Panels 1H13-P661 and P662. *«CM-5»*

Standard:	Verifies MSIV Solenoids are reset.
Cue:	1. Stated in the initial conditions all solenoids were reset.
Comments	

SAT ☐ UNSAT ☐ Comment Number _____

8.3.4.3 (Modes 1 and 2 only)
Check A and B solenoids for each control rod to ensure they are energized prior to transferring sources (provided adequate time is available for the check).
☞ Temperature should be greater than ambient.

Standard:	Ensures all control rods A and B solenoids are energized.
Cue:	1. Stated in the initial conditions all solenoids were energized.
Comments	

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

***8.3.4.4**	**Place TRANSFER SWITCH to INVERTER.**
Standard:	At RPS Solenoid Inverter "A", places Transfer Switch To Inverter Position.
Cue:	1. Transfer switch is in the Inverter Position.
Comments	As Found Position: BYPASS
	SAT ☐ UNSAT ☐ Comment Number _____

8.3.4.5	Push and then release: Power Monitor RESET push-button.
Standard:	At RPS Solenoid Inverter "A", pushes then releases Power Monitor Reset push button.
Cue:	1. Power Monitor Reset pushbutton has been depressed then released.
Comments	
	SAT ☐ UNSAT ☐ Comment Number _____

8.3.4.6	Verify power monitor alarms are out.
Standard:	At RPS Solenoid Inverter "A" power monitor, verifies alarms are out.
Cue:	1. Power Monitor alarms are out.
Comments	
	SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

***8.3.4.7 Place 120 VAC OUTPUT BKR, CB-3 to ON.**

Standard:	At RPS Solenoid Inverter "A", places 120 vac Output Bkr, CB-3, to ON.
Cue:	1. 120 VAC Output Bkr, CB-3 is in the ON position.
Comments	As Found Position: OFF

SAT ☐ UNSAT ☐ Comment Number _____

8.3.4.8 **IF** Mngt or NSED recommends,

THEN At 1C71-S005A(B), NSPS Sol Pwr Bypass Regul Xfmr:
Place AC INPUT (POWER) Bkr to OFF (down).

☞ 5006-3L(4L) will be in alarm when bkr is OFF.

Standard:	Leaves the Bypass Regul Transformer energized and in standby or asks the MCR for direction on what status to leave the Bypass Regul Transformer in.
Cue:	1. If requested, as the MCR direct the operator to leave the Bypass Regul Transformer energized and in standby. DO NOT turn the AC Input Bkr to OFF.
Comments	

SAT ☐ UNSAT ☐ Comment Number _____

TERMINATING CUES:

CPS 3509.01, Instrument Power (IP), Step 8.3.4 complete.

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

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

JPM Title: Manual Transfer of Distribution Panel Loads (NSPS Solenoid/RPS) from ALTERNATE POWER to INVERTER

JPM Number: JPM026 Revision Number: 02

Task Number and Title: 350901.23, Manual Transfer of Distribution Load Panel Loads (NSPS Solenoid) (RPS) FROM Alternate Power TO the Inverter

K/A System	K/A Number	Importance (RO/SRO)	
262002	2.1.30	4.4	4.0

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 3509.01, Rev 020b, INSTRUMENT POWER SYSTEM (IP)

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:

- Plant is in Mode 1.
- RPS Solenoid Inverter "A" has just been restored from a short maintenance period.
- The RPS Solenoid Inverter "A" has been energized per Section 8.3.6 steps 1 and 2. It is now desired to transfer the Dist. Panel loads back to the inverter per step 8.3.4.
- MSIV solenoid currents have been verified normal (solenoids are reset).
- The A and B solenoids for each Control Rod have been verified energized.

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 Transfer Distribution Panel loads for RPS Solenoid Bus "A" FROM Alternate Power TO the Inverter per 3509.01, section 8.3.4.

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CLINTON POWER STATION

Job Performance Measure

RSP – Div 1 LPCI Operation

JPM Number: JPM454

Revision Number: 00

Date: 07/26/2011

Developed By:	**W. Kiser**	**07/26/2011**
	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	07/26/2011	New JPM.

Clinton Power Station
Job Performance Measure (JPM)

Simulator Setup Instructions

1. Initialize to any suitable IC with the following:

   - Reactor Scram.
   - RPV depressurized.

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.

4. Save to a different IC if JPM is being used more than once.

5. Freeze Simulator.

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:

- Div 1 LPCI is injecting to the RPV.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- None

PROCEDURAL/REFERENCES:

- CPS No. 4003.01C006, Rev 0 RSP – Div 1 LPCI Operation

EVALUATOR INSTRUCTIONS:

- JPM may be simulated or performed at the Simulator Remote Shutdown Panel (RSP).
- Amplifying cues are provided within the JPM steps.
- All pre-job briefings are completed.

Clinton Power Station
Job Performance Measure (JPM)

INITIAL CONDITIONS:

A plant transient has occurred.

You are the Extra RO. The plant is Shutdown and depressurized.

INITIATING CUE:

CAUTION

- All pre-job briefings are completed.

Inject to the RPV using CPS 4003.01C006, Rev 0 RSP – Div 1 LPCI Operation Section 3.0, DIV 1 LPCI STARTUP.

MAXIMIZE flowrate.

Report to the CRS when Div 1 LPCI is injecting to the RPV at the maximum flowrate.

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 4003.01C006, Rev 0 RSP – Div 1 LPCI Operation

3.1 Verify 1E12-F004A, RHR A Suppression Pool Suction Valve handswitch is in OPEN.

Standard: 1E12-F004A handswitch verified in OPEN.

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

***3.2 Verify/place following transfer switches to EMERG:**

a) C61-S6
b) C61-S7
c) C61-S8
d) C61-S9
e) C61-S12
f) C61-HS502

Standard: Transfer switches C61-S6, C61-S7, C61-S8, C61-S9, C61-S12 and C61-HS502 placed to EMERG.

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

***3.3 Open 1E12-F064A, RHR Pump A Min Flow Recirc Valve.**

Standard: 1E12-F064A handswitch to OPEN then spring release. Red light LIT and Green light NOT LIT.

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

***3.4 Start RHR Pump A, 1E12-C002A.**

Standard: 1E12-C002A handswitch to START then spring release. Red light LIT and Green light NOT LIT.

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

3.5 Verify RHR Pump 1A Room Sply Fan, 1VY02C starts.

Standard: Verifies 1VY02C Red light LIT and Green light NOT LIT.

Cue:

Comments

SAT ☐ UNSAT ☐ Comment Number _____

	***3.6** **WHEN RPV pressure < 472 psig, THEN Open 1E12-F042A, LPCI From RHR A Shutoff Valve.**
Standard:	Verify RPV pressure < 472 psig. 1E12-F042A handswitch to OPEN then spring release. Red light LIT and Green light NOT LIT.
Cue:	
Comments	As the CRS, if asked by the candidate if he/she should shut 1E12-F064A, direct the candidate to maximize flow. SAT ☐ UNSAT ☐ Comment Number _____

	3.7 WHEN RHR A flow ≥ 1100 gpm, THEN Shut 1E12-F064A, RHR Pump A Min Flow Recirc Valve.
Standard:	Verify RHR A flow ≥ 1100 gpm. 1E12-F064A handswitch to CLOSE then spring release. Red light NOT LIT and Green light LIT.
Cue:	
Comments	SAT ☐ UNSAT ☐ Comment Number _____

TERMINATING CUES:

Div 1 LPCI is injecting to the RPV IAW CPS No. 4003.01C006.

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

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

JPM Title: RSP – Div 1 LPCI Operation

JPM Number: JPM454 Revision Number: 00

Task Number and Title: 400301.02 Remote Shutdown Panel tasks that do NOT Require MCR Evacuation, Loss of Vital System Control ONLY (licensed task).

K/A System	K/A Number	Importance (RO/SRO)	
295016	AA1.07	4.2	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: 10 minutes Actual Time Used: _____ minutes

References: CPS No. 4003.01C006, Rev 0 RSP – Div 1 LPCI Operation

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:

A plant transient has occurred.

You are the Extra RO. The plant is Shutdown and depressurized.

INITIATING CUE:

CAUTION

- All pre-job briefings are completed.

Inject to the RPV using CPS 4003.01C006, Rev 0 RSP – Div 1 LPCI Operation Section 3.0, DIV 1 LPCI STARTUP.

MAXIMIZE flowrate.

Report to the CRS when Div 1 LPCI is injecting to the RPV at the maximum flowrate.

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CLINTON POWER STATION

Job Performance Measure

Emergency Initiation of the Div 2 DG Room CO_2 System

JPM Number: JPM455

Revision Number: 00

Date: 07/26/2011

Developed By:	**W. Kiser**	**07/26/2011**
	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	07/26/2011	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:

- Emergency initiation of Division 2 Diesel Generator CO_2 System complete (simulated discharging).

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

- None

PROCEDURAL/REFERENCES:

- CPS No. 3213.01P001, Rev 0f Fire Protection CO_2 Systems Operation

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 fire has been reported in the Division 2 Diesel Generator (Div 2 DG) Room. The Div 2 DG Room CO_2 system did not automatically initiate.

The Div 2 DG Room is free of personnel and Extra Operators have been stationed at the Div 2 DG Room doors to ensure no personnel enter the room. When asked, the Extra Operators will also inform you when the Div 2 DG Room CO_2 system initiates (begins discharging).

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 initiate the Div 2 DG Room CO_2 System using CPS 3213.01P001, Fire Protection CO_2 Systems Operation.

Report to the CRS when the Div 2 DG Room CO_2 System is discharging.

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 3213.01P001, Fire Protection CO_2 Systems Operation
Section 8.22, Manual Initiation of the Diesel Generator Rooms CO_2 System

8.22.1	Perform/Ensure Performed a search and rescue of the area **unless** it is known to be free of personnel.
Standard:	Asks Extra Operator of Div 2 DG Room status.
Cue:	
Comments	When requested, or if the candidate attempts to check for himself/herself, as Extra Operator report that the room is free of personnel. SAT ☐ UNSAT ☐ Comment Number _____

***8.22.2**	**Pull the Breakglass station and depress button to initiate discharge.** **• 1HSCO002A, for DG1B Room CO_2 Breakglass Station**
Standard:	**(SIMULATE)** At 1HSCO002A Breakglass station pulled; button DEPRESSED.
Cue:	Glass BROKEN. Button DEPRESSED.
Comments	When requested, as Extra Operator report "the Div 2 DG Room CO_2 system did not discharge". SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

BEGIN ALTERNATE PATH

CPS 3213.01P001, Fire Protection CO_2 Systems Operation
Section 8.23, Redundant Manual Initiation of the Diesel Generator Rooms CO_2 System

***8.23.1/2**	**IF** no discharge occurs by manual initiation of the Breakglass station, **THEN** OPEN Master Pilot Valve No. 1 per step 8.23.2. (located across the corridor on 737 Control at 128-AA) **To operate 1USV-CO005, Master Pilot Valve No. 1, break glass and open the pilot which charges the CO_2 lines from the CO_2 storage tank up to the Selector Valves.**
Standard:	**(SIMULATE)** At 1USV-CO005 glass broken; pilot OPENED.
Cue:	Glass BROKEN. Pilot OPENED.
Comments	

SAT ☐ UNSAT ☐ Comment Number _____

***8.23.3**	To initiate flow of CO_2 from the CO_2 Storage Tank to the DG room containing the hazard, open the Selector Valve for the applicable DG room. • **For DG1B Room, Open 1USV-CO002, Selector Pilot Valve, for 1 minute.**
Standard:	**(SIMULATE)** At 1USV-CO002 glass broken; pilot OPENED for 1 minute.
Cue:	Glass BROKEN. Pilot OPENED.
Comments	When requested, as Extra Operator report "the Div 2 DG Room CO_2 system did not discharge".

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

CPS 3213.01P001, Fire Protection CO_2 Systems Operation
Section 8.24, Emergency Initiation of the Diesel Generator Rooms CO_2 System

---

8.24.1 **IF** both methods of manual initiation fail to discharge,
THEN initiate the CO_2 system as follows:

Open/Check Open Master Pilot Valve No. 1.

Standard: **(SIMULATE)** At 1USV-CO005; pilot checked OPEN.

Cue: 1USV-CO005 OPEN

Comments

SAT ☐ UNSAT ☐ Comment Number _____

8.24.2 Open/Check Open the desired Selector Pilot Valve.

Standard: **(SIMULATE)** At 1USV-CO002; pilot checked OPEN.

Cue: 1USV-CO002 OPEN

Comments

SAT ☐ UNSAT ☐ Comment Number _____

Clinton Power Station
Job Performance Measure (JPM)

***8.24.3/4**	Proceed to 1CO652, Remote Emergency Manual Valve (located at A & 126 at 737 Radwaste). **Open 1CO652, Remote Emergency Manual Valve, by breaking seal and pull lever down.**
Standard:	**(SIMULATE)** At 1CO652 Seal broken; lever pulled down.
Cue:	Seal Broken. Lever in downward position.
Comments	When requested, as Extra Operator report "the Div 2 DG Room CO_2 system IS discharging". SAT ☐ UNSAT ☐ Comment Number _____

TERMINATING CUES:

Div 2 DG Room CO_2 System is discharging (simulated).

STOP TIME: _____

Clinton Power Station
Job Performance Measure (JPM)

Operator's Name: _____

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

JPM Title: Emergency Initiation of the Div 2 DG Room CO_2 System

JPM Number: JPM455 Revision Number: 00

Task Number and Title: 321301.56 Emergency Initiation of the Diesel Generator Rooms CO_2 System.

K/A System	K/A Number	Importance (RO/SRO)	
286000	2.4.25	3.3	3.7

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: 15 minutes Actual Time Used: _____ minutes

References: CPS No. 3213.01P001, Rev 0f Fire Protection CO_2 Systems Operation

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:

A fire has been reported in the Division 2 Diesel Generator (Div 2 DG) Room. The Div 2 DG Room CO_2 system did not automatically initiate.

The Div 2 DG Room is free of personnel and Extra Operators have been stationed at the Div 2 DG Room doors to ensure no personnel enter the room. When asked, the Extra Operators will also inform you when the Div 2 DG Room CO_2 system initiates (begins discharging).

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 initiate the Div 2 DG Room CO_2 System using CPS 3213.01P001, Fire Protection CO_2 Systems Operation.

Report to the CRS when the Div 2 DG Room CO_2 System is discharging.