

Job Performance Measure

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

JPM Number: JPM026

Revision Number: 05

Date: 10/04/18

Developed By: Tony Jennings 10/04/18
Instructor Date

Validated By: Matt Baker 5/1/19
SME or Instructor Date

Reviewed By: Pat Bulpitt 6/3/19
Operations Representative Date

Approved By: Tony Jennings 6/3/19
Training Department Date

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 9 and 13 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. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure CPS 3509.01 Rev: 22b
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. 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

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.
03	06/23/15	Updated Format. Updated Procedure Revision Number.
04	9/29/17	Added cue for status of the Inverter and Bypass lights
05	10/04/18	Update JPM format and procedure revisions.

SIMULATOR SETUP INSTRUCTIONS

1. This is an in-plant JPM, no simulator setup is required.

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

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.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

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Information For Evaluator’s Use:

Task Standard: The examinee will transfer RPS Solenoid ‘A’ Distribution Panel loads from Alternate Power TO the Inverter IAW CPS 3509.01 Section 8.3.4 Manual Transfer of Distribution Panel Loads (NSPS Solenoid) (RPS) FROM Alternate Power TO the Inverter.

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the “Comment Number” column on the following pages. Then annotate that comment in the “Comments” section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site’s appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

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JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Cue	Provide the examinee with the Cue Sheet and a marked up copy of CPS 3509.01 INSTRUMENT POWER SYSTEM (IP) showing step 8.3.6 in progress (step 8.3.6.1, 8.3.6.2 complete and 8.3.6.3 circled).				
Note	Standard personnel protective equipment is required to be worn while performing this JPM (safety glasses with side shields, hard hat, work gloves, ear plugs or muffs).				
1	Verify LOSS OF SYNC lamp not illuminated.	<p>CPS 3509.01 8.3.4.1</p> <p>At RPS Solenoid Inverter “A” verifies the loss of sync lamp is not illuminated.</p> <p><i>Evaluator Cue – If loss of sync lamp is illuminated, provide cue “Loss of sync lamp is <u>not</u> illuminated”.</i></p> <p><i>If asked, provide cue “Bypass Light is Lit and Inverter light is not Lit.”</i></p>	_____	_____	_____
2	<u>IF</u> MSIVs are open, <u>THEN</u> Verify MSIV solenoids are reset using ammeters in NSPS Panels 1H13-P661 and P662.	<p>CPS 3509.01 8.3.4.2</p> <p>Verifies MSIV Solenoids are reset.</p> <p><i>Evaluator Cue – If examinee request status of MSIV Solenoids from the B RO, report “MSIV Solenoids are reset”.</i></p> <p><i>Evaluator Note – Stated in the initial conditions all solenoids were reset.</i></p>	_____	_____	_____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
3	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).	CPS 3509.01 8.3.4.3 Ensures all control rods A and B solenoids are energized. <i>Evaluator Note – Stated in the initial conditions all solenoids were energized.</i>	—	—	—
*4	Place TRANSFER SWITCH to INVERTER.	CPS 3509.01 8.3.4.4 At RPS Solenoid Inverter “A”, rotates Transfer Switch to INVERTER position. <i>Evaluator Cue – Component is in the position you’ve described.</i>	—	—	—
*5	Push and <u>then</u> release Power Monitor RESET push-button.	CPS 3509.01 8.3.4.5 At RPS Solenoid Inverter “A”, pushes then releases Power Monitor Reset push button. <i>Evaluator Cue – Component is in the position you’ve described.</i>	—	—	—
6	Verify power monitor alarms are out.	CPS 3509.01 8.3.4.6 At RPS Solenoid Inverter “A” power monitor, verifies alarms are out (Over/Under Freq and Over/Under Voltage lights). <i>Evaluator Cue – If power monitor lights are illuminated, provide cue “Over/Under Freq” and/or “Over/Under Voltage lights are <u>not</u> illuminated”.</i>	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*7	Place 120 VAC OUTPUT BKR, CB-3 to ON.	CPS 3509.01 8.3.4.7 At RPS Solenoid Inverter “A”, places 120 vac Output Bkr, CB-3, to ON. <i>Evaluator Cue – Component is in the position you’ve described.</i>	—	—	—
8	IF SMngt or NSED recommends, THEN At 1C71-S005A(B), NSPS Sol Pwr Bypass Regul Xfmr: Place AC INPUT (POWER) Bkr to OFF (down).	CPS 3509.01 8.3.4.8 Leaves the Bypass Regul Transformer energized and in standby <u>or</u> asks the MCR for direction on what status to leave the Bypass Regul Transformer in. <i>Evaluator Cue – If requested, as the MCR direct the operator to leave the Bypass Regul Transformer energized and in standby. <u>DO NOT</u> turn the AC Input Bkr to OFF.</i>	—	—	—
CUE	Cue the examinee that the JPM is complete.				

JPM Stop Time: _____
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JPM SUMMARY**Operator's Name:** _____ **Emp. ID#:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Manual Transfer of Distribution Panel Loads (NSPS Solenoid/RPS) from
ALTERNATE POWER to INVERTER**JPM Number:** JPM026**Revision Number:** 05**Task Number and Title:** 350901.23, Manual Transfer of Distribution Panel Loads (NSPS
Solenoid) from Alternate Power to the Inverter for the RPS UPS.**K/A Number and Importance:**

K/A System	K/A Number	Importance (RO/SRO)	
Uninterruptable Power Supply (A.C./D.C.)	262002 / 2.1.30	4.4	4.0

Suggested Testing Environment: In-Plant**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☐ Yes ☒ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**

- CPS 3509.01 Instrument Power System (IP), Rev. 22b

Actual Testing Environment: ☐ Simulator ☐ Control Room ☒ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☒ Perform**Estimated Time to Complete:** 10 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards
contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name (Print):** _____**Evaluator's Signature:** _____ **Date:** _____

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

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.

Job Performance Measure
Defeating HPCS Level 8 Isolation

JPM Number: JPM228

Revision Number: 03

Date: 10/04/18

Developed By: Tony Jennings 10/04/18
Instructor Date

Validated By: Matt Baker 5/1/19
SME or Instructor Date

Reviewed By: Pat Bulpitt 6/3/19
Operations Representative Date

Approved By: Tony Jennings 6/3/19
Training Department Date

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 9 and 13 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. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure CPS 4410.00C002 Rev: 4b
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. 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

Revision Record (Summary)

Revision	Date	Description
00	06/19/2007	Updated numbering convention. Old JPM number: 44100003LSN01.
01	4/4/11	Add instructions on where to provide initiating cue. Updated page 2 of JPM.
02	6/22/16	Updated procedure references.
03	10/04/18	Update JPM format.

SIMULATOR SETUP INSTRUCTIONS

1. This is an in-plant JPM, no simulator setup is required.

INITIAL CONDITIONS

You are the 'Extra' Reactor Operator. Reactor water level is unknown and RPV flooding is in progress. The 'B' Reactor Operator is unable to flood the RPV using the HPCS pump due to RPV level above Level 8.

INITIATING CUE

Defeat HPCS Level 8 Isolation per 4410.00C002, DEFEATING HPCS INTERLOCKS. Report to the CRS when the task is complete.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

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Information For Evaluator's Use:

Task Standard: The examinee will locate the HPCS Level 8 Analog Trip Modules (ATMs) in 1H13-P663 and P664 and simulates turning ATM Trip Circuit 2 set adjustment screws 26 full turns counterclockwise to override the HPCS Level 8 interlocks.

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM.

Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

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JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Cue	Provide the examinee with the Cue Sheet and a copy of CPS 4410.00C002 DEFEATING HPCS INTERLOCKS.				
Note	PPE requirements for this JPM are as follows: <ul style="list-style-type: none"> • All conductive articles of jewelry and clothing must be removed (does NOT include belt buckles, snaps and buttons on pants, eyelets on shoes, small metal screws in plastic frame glasses, etc.) • Long sleeve shirt or smock • Class 00 gloves • Keycard lanyard tucked into shirt • Safety glasses 				
1	Locate EOP tool bag.	CPS 4410.00C002 2.0 Examinee locates EOP tool bag. <i>Evaluator Note – Do not allow seal to be broken on EOP tool bag. Once operator locates bag associated with 4410.00C002, direct him/her to use the Training Tool bag.</i>	_____	_____	_____
*2	At panel 1H13-P663, Bay C, Row A13, Card 15 (HPCS, B21-N673C), ATM Trip Circuit 2, turn the SET adjustment screw counterclockwise 26 full turns.	CPS 4410.00C002 3.2.a) Inside 1H13-P663, examinee locates ATM Trip Circuit 2 at Bay C, Row A13, Card 15 (HPCS, B21-N673C). Examinee simulates turning the set adjustment screw 26 turns in the COUNTERCLOCKWISE direction. <i>Evaluator Cue – Component is in the position as described.</i> <i>Evaluator Note – Ensure examinee adequately discuss methodology for adjusting the screw 26 full turns.</i>	_____	_____	_____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*3	At panel 1H13-P664, Bay B, Row A13, Card 09 (HPCS, B21-N673D), ATM Trip Circuit 2, turn the SET adjustment screw counterclockwise 26 full turns.	CPS 4410.00C002 3.2.b) Inside 1H13-P664, examinee locates ATM Trip Circuit 2 at Bay B, Row A13, Card 9 (HPCS, B21-N673D). Examinee simulates turning the set adjustment screw 26 turns in the COUNTERCLOCKWISE direction. <i>Evaluator Cue – Component is in the position as described.</i> <i>Evaluator Note – Ensure examinee adequately discuss methodology for adjusting the screw 26 full turns.</i>	—	—	—
CUE	Cue the examinee that the JPM is complete.				

JPM Stop Time: _____

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JPM SUMMARY**Operator's Name:** _____ **Emp. ID#:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO CertJPM Title: Defeating HPCS Level 8 IsolationJPM Number: JPM228Revision Number: 03Task Number and Title: 441000.03 Complete Actions to Defeat HPCS System Interlocks per 4410.00 when in EOP's/SAG's.

K/A Number and Importance:

K/A System	K/A Number	Importance (RO/SRO)	
295031	EA1.04	4.3	4.2

Suggested Testing Environment: In-PlantAlternate Path: ☐ Yes ☒ No SRO Only: ☐ Yes ☒ No Time Critical: ☐ Yes ☒ No

Reference(s):

- CPS 4410.00C002 Defeating HPCS Interlocks, Rev. 4b

Actual Testing Environment: ☐ Simulator ☐ Control Room ☒ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☒ PerformEstimated Time to Complete: 10 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name (Print):** _____**Evaluator's Signature:** _____ **Date:** _____

INITIAL CONDITIONS

You are the 'Extra' Reactor Operator. Reactor water level is unknown and RPV flooding is in progress. The 'B' Reactor Operator is unable to flood the RPV using the HPCS pump due to RPV level above Level 8.

INITIATING CUE

Defeat HPCS Level 8 Isolation per 4410.00C002, DEFEATING HPCS INTERLOCKS. Report to the CRS when the task is complete.

Job Performance Measure
OPERATE A SRV FROM THE REMOTE SHUTDOWN PANEL

JPM Number: JPM272

Revision Number: 05

Date: 10/4/18

Developed By: Tony Jennings 10/4/18
Instructor Date

Validated By: Aaron Marr 4/30/19
SME or Instructor Date

Reviewed By: Pat Bulpitt 6/3/19
Operations Representative Date

Approved By: Tony Jennings 6/3/19
Training Department Date

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 9 and 13 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. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure CPS 4003.01 Rev: 18a
Procedure CPS 4003.01C001 Rev: 0a
Procedure CPS 4003.01F003 Rev: 0
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. 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

Revision Record (Summary)

Revision	Date	Description
00		New JPM.
01	11/17/09	Remove "Div 1 preferred for initiating cue. Combined 2 critical steps into 1.
02	11/17/12	Updated procedure references and converted to new format.
03	7/3/13	Updated procedure references.
04	6/30/16	Updated procedure references.
05	10/4/18	Updated procedure references. Updated to new JPM template.

SIMULATOR SETUP INSTRUCTIONS

1. IC Setup (NA if administering JPM272 per step 2)
 - a. Initialize to any shutdown IC. Stabilize RPV level with the Motor Driven Reactor Feed Pump.
 - b. Close Inboard MSIVs.
 - c. Close 1B21-F016.
 - d. Place/verify the following remote transfer switches in Emergency:
 - 1) C61-HS501
 - 2) C61-HS502
 - 3) C61-HS508
 - 4) C61-HS509
 - 5) C61-HS510
 - 6) C61-HS511
 - e. This completes the setup for this JPM.
 - f. Ensure plant is stable and then save to a different IC if JPM is being used more than once. IC-220 (pw: 59567) is saved for the ILT 18-1 NRC Exam.

NOTE: It is okay 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. JPM Administration
 - a. Reset to the IC saved after performing step 1 above. IC-220 (PW 59567) is saved for the ILT 18-1 NRC Exam.
 - b. Turn off annunciators and horns.
 - c. No simulator lesson plan is required once the IC has been established per step 1 above.
 - d. When the above steps are completed for this and other JPMs to be run concurrently, then validate the concurrently run JPMs if applicable.
 - e. Freeze the simulator.
 - f. Place book of Remote Shutdown procedures in RSP Room.

INITIAL CONDITIONS

You are an extra Reactor Operator. A plant condition has occurred that is forcing the crew to evacuate the MCR and establish control at the Remote Shutdown Panel.

INITIATING CUE

Lower Reactor pressure to < 700 psig using Safety/Relief Valves from the Remote Shutdown Panel per CPS No. 4003.01C001 RSP - Pressure Control. Establish a Pressure band of 500-700 psig.

Other actions of 4003.01 have been or are being performed by other personnel.

Inform the CRS when the task is complete.

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Information For Evaluator's Use:

Task Standard: Examinee will:

- physically locate the RSP in the plant, and
- operate SRV controls at the RSP in the simulator to lower and maintain RPV pressure between 500 – 700 psig.

JPM step 1 (physically locating the RSP) may be performed in conjunction with other in-plant JPMs.

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Note	The minimum PPE requirements below apply only to JPM Step 1 and are as follows: <ul style="list-style-type: none"> • Gripper or cotton work gloves • Safety glasses or goggles • Hearing protection (not required in Aux Building 781 East) • Hard hat 				
*1	Examinee physically locates the Remote Shutdown Panel (RSP) in the plant.	Examinee physically locates the RSP (C61-P001) in the plant on Aux Building 781 East.	—	—	—
CUE	Provide the examinee with: <ul style="list-style-type: none"> • the Cue Sheet • a copy of CPS 4003.01C001 RSP - PRESSURE CONTROL • a copy of CPS 4003.01F003 RSP – SATURATED TEMPERATURE PRESSURE COORELATION 				
Note	The remaining steps of this JPM will be performed at the RSP in the NTD Training Simulator. There are <u>no</u> PPE requirements for the remaining steps. The critical task requirements are met by performing JPM steps 2 and 4 (Div 1 SRV Controls) <u>or</u> 3 and 4 (Div 2 SRV Controls) below.				
*2	Verify/Place C61-S10 to EMERG [Div 1 SRV solenoid control].	CPS 4003.01C001 4.1 Examinee places C61-S10 to EMERG. <i>Evaluator Note – Examinee verifies the Div 1 SRV B21C-F051G, F051D, and F051C green indicating lights are lit.</i>	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*3	Verify/Place C61-HS527 to EMERG [Div 2 SRV solenoid control].	CPS 4003.01C001 4.2 Examinee places C61- HS527 to EMERG. <i>Evaluator Note – Verifies the Div 2 SRV B21C-F051G, F051D, and F051C green indicating lights are lit.</i>	—	—	—
*4	Control RPV pressure and cooldown by: <ul style="list-style-type: none"> • Varying RCIC flow rate. • Operating Div 1 SRV solenoid controls (Preferred) or Div 2 SRV solenoid controls. 	CPS 4003.01C001 4.3 Examinee operates Div 1 SRV solenoid controls (F051G, 51D, and/or 51C) (Preferred) or Div 2 SRV solenoid controls to maintain RPV pressure 500 to 700 psig. <i>Evaluator Note – The Examinee should use Division 1 SRV solenoid controls since they are preferred per the procedure. Use of Div 2 SRV controls should be documented as a competency hit, not as a failure of a critical step.</i> <i>Evaluator Note – Temporarily exceeding the RPV pressure band of 500-700 psig should be documented as a competency hit, not as a failure of a critical step, <u>unless</u> pressure is lowered below 450 psig (pressure correlating to 100°F cool down rate limit).</i>	—	—	—
5	Informs the Control Room Supervisor.	Informs the Control Room Supervisor that RPV pressure is being maintained 500 to 700 psig.	—	—	—
CUE	Cue the examinee that the JPM is complete.				

JPM Stop Time: _____
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JPM SUMMARY**Operator's Name:** _____ **Emp. ID#:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Operate a SRV from the Remote Shutdown Panel**JPM Number:** JPM272**Revision Number:** 05**Task Number and Title:** 400301.04 - Remote Shutdown Tasks that Do Require MCR Evacuation.**K/A Number and Importance:**

K/A System	K/A Number	Importance (RO/SRO)	
295016	AA1.08	4.0	4.0

Suggested Testing Environment: Simulator**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☐ Yes ☒ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**

- CPS 4003.01 Remote Shutdown (RS), Rev. 18a
- CPS 4003.01C001 RSP – Pressure Control, Rev. 0a
- CPS 4003.01F003 RSP – Saturated Temperature / Pressure Correlation, Rev. 0

Actual Testing Environment: ☒ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☒ Perform**Estimated Time to Complete:** 10 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name (Print):** _____**Evaluator's Signature:** _____ **Date:** _____

INITIAL CONDITIONS

You are an extra Reactor Operator. A plant condition has occurred that is forcing the crew to evacuate the MCR and establish control at the Remote Shutdown Panel.

INITIATING CUE

Lower Reactor pressure to < 700 psig using Safety/Relief Valves from the Remote Shutdown Panel per CPS No. 4003.01C001 RSP - Pressure Control. Establish a Pressure band of 500-700 psig.

Other actions of 4003.01 have been or are being performed by other personnel.

Inform the CRS when the task is complete.