

Exelon Nuclear

Job Performance Measure

STARTUP OF A SECOND RECIRCULATION PUMP
WITH FAILURE OF THE DISCHARGE VALVE TO OPEN

JPM Number: S-N-a

Revision Number: 02

Date: 09/08

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 01 Bank JPM.

Revision 02 Revised for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to an IC with the Reactor in cold shutdown.

NOTE: It is acceptable 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. Trip the 2B Recirc Pump.

3. Close the 2B Recirc Pump discharge valve (MO 2-202-5B) and return c/s to NORMAL.

4. Insert following Malfunctions and/or Remotes:

- IOR RRD5BCLS CLOSE
- IOR RRD5BOPN OFF
- IOR RRD5BJP5 OFF
- IOR RRD5BJ1P OFF

5. Place the Recirc Pumps in individual manual control.

6. Complete DOP 0202-01 up through Step G.5.

7. Verify Individual Recirc Controllers are set to Minimum.

8. Verify RPV water level \geq 30 inches and stable.

9. Place DW/TORUS DP CONTLR PIC 2-1602-14 and DW PRESS CONTLR PIC 2-8540-1 to MANUAL and close the associated valves.

DOCUMENT PREPARATION

1. Mark up a copy of DOP 0202-01 up to and including step G.5.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. 2B Recirc Pump was inadvertently tripped one (1) hour ago during testing.
3. The immediate actions of DOA 0202-01 have been completed.
4. All prerequisites of DOP 0202-01 have been met.
5. Seal Purge to the 2B Recirc Pump has been established.
6. An NLO is staged at the 2B MG SET.

INITIATING CUE

1. The Unit Supervisor has directed you to restart the 2B Recirc Pump IAW DOP 0202-01 starting at step G.6.
2. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Provide the examinee with the provided copy of DOP 0202-01.</p>				
*	1.	Start the 2B MG by holding 2B MG SET DRIVE MOTOR switch in START for 3 seconds.	Turns 2B M-G Set Drive Motor Control switch to START and holds for 3 seconds.	_____ _____ _____
<p><u>NOTE:</u></p> <p><i>Time Recirc Pump Started: _____.</i></p> <p>MG set starts ~8 seconds before pump motor. Pump start can be verified by Pump DP increasing and/or amps increasing.</p>				
	2.	Observe the following: <ul style="list-style-type: none"> • 2B M-G SET DRIVE MOTOR breaker indicates CLOSED. • 2B RECIRC PP SPEED CONTRL, speed indication rises to a peak of 60% to 80%. • 2B M-G SET FIELD BKR CLOSES seven seconds after M-G SET DRIVE MOTOR breaker closes. • RECIRC PP SPEED CONTRL speed indication settles out and then decays to approximately 30%. 	Observes or monitors the following: <ul style="list-style-type: none"> • 2B M-G Set Drive Motor Blue On light illuminated. • Monitors speed on Percent speed meter. • MG Field breaker Blue Closed light illuminated. • Monitors speed on Percent speed meter. 	_____ _____ _____
<p><u>NOTE:</u></p> <p><u>IF</u> dual valve position indication is <u>NOT</u> obtained within 2 minutes of pump start, <u>THEN</u> trip the Recirc Pump.</p>				

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<u>CUE:</u> Respond as needed, as the NLO in the field.				
3.	While observing APRM response <u>AND</u> Recirc loop flow indications after each individual open step (jog), perform the following: <ul style="list-style-type: none"> • Open, MO 2-202-5B, 2B PP DISCH VLV, just to the point of dual valve position indication. 	Attempts to OPEN MO 2-202-5B, 2B PP DISCH VLV by either or both of the following: <ul style="list-style-type: none"> • Jog open by using 2B PP DISCH VLV Jog control. <li style="text-align: center;"><u>OR</u> • Throttling open with 2B PP DISCH VLV c/s. 	_____	_____
BEGIN ALTERNATE PATH				
<u>NOTE:</u> The MO 2-202-5B, 2B PP DISCH VLV, will <u>NOT</u> OPEN.				
*	4. If dual valve position indication is <u>NOT</u> obtained within 2 min of pump start, <u>THEN</u> trip the recirc pump.	Trips 2B Recirc Pump within 2 min of pump start. (not MG start)	_____	_____
<u>NOTE:</u> <i>Time Recirc Pump Secured:</i> _____ (Pump must be tripped within 2 minutes of pump start).				
5.	Reports to the Unit 2 Supervisor that the MO 2-202-5B, 2B PP DISCH VLV, did not have dual indication and the 2B Recirc Pump was tripped.	Unit 2 Supervisor notified.	_____	_____
<u>CUE:</u> Acknowledge report of task completion.				
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: Startup of a second Recirculation Pump with failure of the discharge valve to open.

Revision Number: 02

JPM Number: S-N-a

Task Number and Title: 202L002, Perform a Unit 2 Recirculation system startup.

K/A Number and Importance: 202001.A4.01 3.7 / 3.7

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

Testing Method: Simulate Perform
Alternate Path: Yes No
SRO Only: Yes No

Time Critical: Yes No

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

References: DOP 0202-01, rev 58

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. 2B Recirc Pump was inadvertently tripped one (1) hour ago during testing.
3. The immediate actions of DOA 0202-01 have been completed.
4. All prerequisites of DOP 0202-01 have been met.
5. Seal Purge to the 2B Recirc Pump has been established.
6. An NLO is staged at the 2B MG SET.

INITIATING CUE

1. The Unit Supervisor has directed you to restart the 2B Recirc Pump IAW DOP 0202-01 starting at step G.6.
2. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

PLACE A FRV IN SERVICE IN AUTO DURING UNIT STARTUP

JPM Number: S-N-b

Revision Number: 03

Date: 09/08

Developed By: _____

Instructor

Date

Approved By: _____

Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 02 Bank JPM.

Revision 03 Revised for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to IC 08.

NOTE: It is acceptable 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. Verify BOTH FW REG ISOL VALVES are OPEN:

- MO 3206A
- MO 3206B

3. Verify 2A & 2B REG VLV CONTROL STATIONS in MAN and CLOSED.

4. Verify MASTER CONTROL STATION is in MAN.

5. Low Flow Reg Valve is controlling level at 30" in AUTO.

6. Insert following Malfunctions and/or Remotes:

- None.

7. Setup the following Triggers:

- None.

DOCUMENT PREPARATION

1. Clean copy of DOP 0600-06.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. Unit Startup is in progress.
3. The FWLCS is controlling level with the Low Flow Reg Valve.
4. 2A & 2B REG VLV CONTROL STATIONS are closed in manual mode.
5. 2A & 2B FRVs have been pre-operationally tested.

INITIATING CUE

1. The Unit Supervisor has directed you to place 2B FRV in service (Unit Startup) in the Master Automatic mode in accordance with DOP 0600-06 per step G.2.
2. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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.

Job Performance Measure (JPM)

JPM Start Time: _____

	PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
NOTE:					
Provide the examinee with the provided copy of DOP 0600-06.					
	1. Verify 2A and 2B FWRVs have been pre-operationally tested per Step G.1.	Condition met in initial conditions.	_____	_____	_____
	2. Verify the following valves are open: <ul style="list-style-type: none"> • MO 2-3205A, FW LINE STOP. • MO 2-3205B, FW LINE STOP. • MO 2-3206A, 2A FW REG ISOL. • MO 2-3206B, 2B FW REG ISOL. 	GREEN lights illuminated on the following: <ul style="list-style-type: none"> • MO 2-3205A • MO 2-3205B • MO 2-3206A • MO 2-3206B 	_____	_____	_____
	3. Adjust MASTER CONTROL STATION OR RX LO FLOW CONTROL STATION, setpoint to match actual RPV level.	Depresses appropriate pushbutton to verify setpoint to match actual RPV level on MASTER CONTROL STATION <u>OR</u> RX LO FLOW CONTROL STATION.	_____	_____	_____
	4. Select appropriate FWLCS RPV level signal per Section G.17.	Depresses appropriate FWLCS RPV level signal pushbutton.	_____	_____	_____
	5. Place RX LO FLOW CONTROL STATION to AUTO.	Verifies AUTO light illuminated on RX LO FLOW CONTROL STATION.	_____	_____	_____
*	6. Place one REG VLV CONTROL STATION in AUTO.	Depresses AUTO pushbutton on 2B REG VLV CONTROL STATION.	_____	_____	_____

Job Performance Measure (JPM)

	PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
	7. Verify other REG VLV CONTROL STATION in MAN.	Verifies MAN light illuminated on 2A REG VLV CONTROL STATION.	_____	_____	_____
*	8. Place MASTER CONTROL STATION in AUTO.	Depresses AUTO pushbutton on FWLC MASTER CONTROL STATION.	_____	_____	_____
<p><u>NOTE:</u></p> <p>The LOW FLOW FWRV will automatically transfer to the 2B FWRV when the LOW FLOW FWRV position is 85% feedwater flow.</p>					
	9. Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____	_____	_____
<p><u>CUE:</u></p> <p>Acknowledge report of task completion.</p>					
END					

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: PLACE A FRV IN SERVICE IN AUTO DURING UNIT STARTUP

Revision Number: 03

JPM Number: S-N-b

Task Number and Title: 259L021, Place FRV in service in AUTO (unit startup).

K/A Number and Importance: 259002.A4.03 3.8 / 3.6

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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: DOP 0600-06 , rev 34

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. Unit Startup is in progress.
3. The FWLCS is controlling level with the Low Flow Reg Valve.
4. 2A & 2B REG VLV CONTROL STATIONS are closed in manual mode.
5. 2A & 2B FRVs have been pre-operationally tested.

INITIATING CUE

1. The Unit Supervisor has directed you to place 2B FRV in service (Unit Startup) in the Master Automatic mode in accordance with DOP 0600-06 per step G.2.
2. Inform the Unit Supervisor when the task is complete.

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Job Performance Measure

TURBINE BYPASS VALVE UTILIZATION

JPM Number: S-N-c

Revision Number: 00

Date: 09/08

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM created for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to any IC with the Reactor shutdown, but at full pressure.

NOTE: It is acceptable 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. Insert following Malfunctions and/or Remotes:

- None.

3. Setup the following Triggers:

- None.

DOCUMENT PREPARATION

1. Clean copy of DGP 02-03 Attachment E (hard card).

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. A transient has occurred and the Unit Supervisor is anticipating Emergency Depressurization.

INITIATING CUE

1. The Unit Supervisor has directed you to utilize the Turbine Bypass valves in anticipation of Emergency Depressurization, in accordance with DGP 02-03 Attachment E (hard card).
2. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Examinee should locate the hard card, then provide the included copy.</p> <p>All the below actions can be performed on <u>either</u> of the Digital EHC control stations.</p>				
*	1. Select <CONTROL>.	Utilizing the trackball controller, clicks on <CONTROL>.	_____	_____
*	2. Select <BPV JACK>.	Utilizing the trackball controller, clicks on <BPV JACK>.	_____	_____
*	3. Select <Stpt/Ramp>.	Utilizing the trackball controller, clicks on <STPT/RAMP>.	_____	_____
*	4. Input 100% for setpoint.	Utilizing the keyboard, enters 100%.	_____	_____
*	5. Input 100% / min for ramp rate.	Utilizing the keyboard, enters 100%.	_____	_____
*	6. Select <OK>.	Utilizing the trackball controller, clicks on <OK>.	_____	_____
*	7. Confirm 100% and 100% / min have been inputted and select <OK>.	Examinee confirms proper values are inputted and clicks on <OK>.	_____	_____
	8. Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____	_____
<p><u>CUE:</u></p> <p>Acknowledge report of task completion.</p>				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: TURBINE BYPASS VALVE UTILIZATION.

Revision Number: 00

JPM Number: S-N-c

Task Number and Title: 29501LP040, Respond to a Reactor Scram IAW DGP 02-03.

K/A Number and Importance: 241000.A4.06 3.9 / 3.9

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

Testing Method: Simulate Perform
Alternate Path: Yes No
SRO Only: Yes No

Time Critical: Yes No

Estimated Time to Complete: 12 minutes **Actual Time Used:** _____ minutes

References: DGP 02-03 Attachment E (hard card), rev 81

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. A transient has occurred and the Unit Supervisor is anticipating Emergency Depressurization.

INITIATING CUE

1. The Unit Supervisor has directed you to utilize the Turbine Bypass valves in anticipation of Emergency Depressurization, in accordance with DGP 02-03 Attachment E (hard card).
2. Inform the Unit Supervisor when the task is complete.

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Job Performance Measure

SHUTDOWN THE ISOLATION CONDENSER

JPM Number: S-N-d

Revision Number: 03

Date: 09/08

Developed By: _____

Instructor

Date

Approved By: _____

Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 02 Bank JPM.

Revision 03 Revised for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to any IC.

NOTE: It is acceptable 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. Verify the Isolation Condenser is in its normal standby lineup.

3. Insert following Malfunctions and/or Remotes:

- imf ICSPDFT 0.0

This drifts the Isolation Condenser Initiation setpoint to 0.0 psig so it initiates (after a time delay).

4. After the Isolation Condenser initiates, delete the drift malfunction

- dmf ICSPDFT

5. Start the 2/3A Iso Cond MU Pump.

6. Verify Reactor Pressure is < 1050 psig.

7. Verify DAN 902-4 A-15 is illuminated.

8. Acknowledge / Reset alarms.

DOCUMENT PREPARATION

1. Clean copy of DOP 1300-02.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. A pressure transient has occurred which resulted in the AUTO initiation of the Iso Condenser.
3. The 2/3A Iso Condenser MU Pump is being used to maintain Iso Condenser level.
4. No additional Clean Demin pump(s) were started, due to initiation of the Iso Condenser.
5. The transient is over and the Isolation Condenser operation is NO longer required.

INITIATING CUE

1. The Unit Supervisor has directed you to shutdown the Isolation Condenser per DOP 1300-02 Step G.13.
2. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

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- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<u>NOTE:</u>				
Provide the examinee with the provided copy of DOP 1300-02.				
1.	Monitor RPV pressure, level, and reactor power to verify IC operation is NOT required for RPV pressure control.	Verifies IC operation is NOT required for RPV pressure control.	_____	_____
2.	Obtain Shift Supervisor's approval to shutdown IC.	Condition met in initial conditions.	_____	_____
<u>NOTE:</u>				
If examinee asks for approval to shutdown the IC respond as the US and give the permission.				
BEGIN ALTERNATE PATH				
<u>NOTE:</u>				
Examinee must decide the procedural paths to take, based on Reactor pressure AND annunciator conditions.				
*	3.	Determines RPV pressure.	Determines RPV pressure <1070 psig and step G.13.d MUST be performed.	_____
*	4.	Identify that 902-4 A-15, ISOL CONDR A/B INITIATION, is in alarm.	Identifies that 902-4 A-15, ISOL CONDR CH A/B INITIATION, is in alarm.	_____
*	5.	2. Reset the IC initiation signal at Panel 902-5 as follows: <ul style="list-style-type: none"> • Rotate ISOL CONDR RESET switch to CH A • Rotate ISOL CONDR RESET switch to CH B 	Resets the IC initiation signal at Panel 902-5 as follows: <ul style="list-style-type: none"> • Rotates ISOL CONDR RESET switch to CH A • Rotates ISOL CONDR RESET switch to CH B 	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<u>NOTE:</u>				
Resetting the IC isolation automatically causes MO 2-1301-3 to close.				
6.	Close/verify closed MO 2-1301-3, RX INLET ISOL, by holding control switch to CLOSE.	GREEN light illuminated.	_____	_____
*	7. Rotate RX INLET ISOL VLV HAND/RESET switch to RESET.	Rotates RX INLET ISOL VLV HAND/RESET switch to RESET.	_____	_____
8.	Verify that MO 2-1301-10 valve is closed.	GREEN light illuminated.	_____	_____
9.	Verify that MO 2-4102 valve is closed.	GREEN light illuminated.	_____	_____
10.	Verify the MO 2-4399-74 valve is closed.	GREEN light illuminated.	_____	_____
11.	Stop the 2/3A Iso Cond MU Pump.	GREEN light illuminated.	_____	_____
<u>CUE:</u>				
If the examinee asks if it is desired to place the Iso Condenser in standby, inform them NOT to place the Iso Condenser in standby.				
12.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____	_____
<u>CUE:</u>				
Acknowledge report of task completion.				
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: Shutdown the Isolation Condenser

Revision Number: 03

JPM Number: S-N-d

Task Number and Title: 207L002, Operate the Isolation Condenser following an automatic initiation.

K/A Number and Importance: 207000.A4.05 3.5 / 3.7

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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: DOP 1300-02, rev 23

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. A pressure transient has occurred which resulted in the AUTO initiation of the Iso Condenser.
3. The 2/3A Iso Condenser MU Pump is being used to maintain Iso Condenser level.
4. No additional Clean Demin pump(s) were started, due to initiation of the Iso Condenser.
5. The transient is over and the Isolation Condenser operation is NO longer required.

INITIATING CUE

1. The Unit Supervisor has directed you to shutdown the Isolation Condenser per DOP 1300-02 Step G.13.
2. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

VERIFY SPURIOUS GROUP 3 ISOLATION - INCOMPLETE

JPM Number: S-N-e

Revision Number: 00

Date: 09/08

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 Modified from a different JPM.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to any shutdown IC.

NOTE: It is acceptable 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. Insert a spurious Group 3 isolation.

3. Manually OPEN the following valves (ensure can be re-closed):

- MO 2-1001-4A
- MO 2-1001-5A

DOCUMENT PREPARATION

1. Clean copy of DAN 902-5 D-5 Hard Card.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. A spurious Group 3 isolation has occurred.

INITIATING CUE

1. The Unit Supervisor has directed you to verify the Group 3 isolation is complete, utilizing the hard card.
2. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Examinee should locate the hard card, then provide the included copy.</p> <p>The following steps may be performed in any order.</p>				
1.	Examinee verifies CLOSED MO 2-1201-1.	RED light illuminated.	_____	_____
2.	Examinee verifies CLOSED MO 2-1201-1A.	RED light illuminated.	_____	_____
3.	Examinee verifies CLOSED MO 2-1201-2.	RED light illuminated.	_____	_____
4.	Examinee verifies CLOSED MO 2-1201-3.	RED light illuminated.	_____	_____
5.	Examinee verifies CLOSED MO 2-1201-7.	RED light illuminated.	_____	_____
6.	Examinee verifies CLOSED MO 2-1001-1A.	RED light illuminated.	_____	_____
7.	Examinee verifies CLOSED MO 2-1001-1B.	RED light illuminated.	_____	_____
8.	Examinee verifies CLOSED MO 2-1001-2A.	RED light illuminated.	_____	_____
9.	Examinee verifies CLOSED MO 2-1001-2B.	RED light illuminated.	_____	_____
10.	Examinee verifies CLOSED MO 2-1001-2C.	RED light illuminated.	_____	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
BEGIN ALTERNATE PATH				
*	11. Examinee verifies CLOSED MO 2-1001-4A.	Examinee recognizes that MO 2-1001-4A did NOT close.	_____	_____
*	12. Examinee CLOSES MO 2-1001-4A.	Takes manual action for failed auto action by placing MO 2-1001-4A, c/s in the CLOSED position.	_____	_____
	13. Examinee verifies CLOSED MO 2-1001-4B.	RED light illuminated.	_____	_____
	14. Examinee verifies CLOSED MO 2-1001-4C.	RED light illuminated.	_____	_____
*	15. Examinee verifies CLOSED MO 2-1001-5A.	Examinee recognizes that MO 2-1001-5A did NOT close.	_____	_____
*	16. Examinee CLOSES MO 2-1001-5A.	Takes manual action for failed auto action by placing MO 2-1001-5A, c/s in the CLOSED position.	_____	_____
	17. Examinee verifies CLOSED MO 2-1001-5B.	RED light illuminated.	_____	_____
	18. Informs Unit Supervisor task is complete.	Reports Group 3 complete and MO 2-1001-4A and 2-1001-5A failed to close automatically.	_____	_____
<u>CUE:</u> Acknowledge report of task completion.				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: Verify Spurious Group 3 Isolation - Incomplete

Revision Number: 00

JPM Number: S-N-e

Task Number and Title: 295L022, Initiate/Verify automatic actuations of Emergency Systems.

K/A Number and Importance: 223002.A4.01 3.6 / 3.5

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

Testing Method: Simulate Perform
Alternate Path: Yes No
SRO Only: Yes No

Time Critical: Yes No

Estimated Time to Complete: 5 minutes **Actual Time Used:** _____ minutes

References: DAN 902-5 D-5 (hard card), rev 13

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. A spurious Group 3 isolation has occurred.

INITIATING CUE

1. The Unit Supervisor has directed you to verify the Group 3 isolation is complete, utilizing the hard card.
2. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

TRANSFER POWER TO TR-22 FROM TR-21

JPM Number: S-N-f

Revision Number: 01

Date: 09/08

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM.

Revision 01 Revised for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator any IC with only 2 RFPs and 3 Cond/Cond Booster Pumps operating.

NOTE: It is acceptable 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. Insert following Malfunctions and/or Remotes:

- None.

3. Setup the following Triggers:

- None.

4. Ensure ONLY 2 RFPs operating.

5. Ensure ONLY 3 Cond/Cond Booster Pumps operating.

DOCUMENT PREPARATION

1. Marked up copy of DOP 6500-01.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. Unit 2 was operating at rated power when the TR-21 trouble alarm is received.
3. The NLO, dispatched to TR-21, reported that the TR-21 cooling fans are not all operating and the transformer temperature is rising.
4. The Unit Supervisor has decided to unload TR-21 by transferring auxiliary power to TR-22.
5. Another operator will verify TR-86 Load Tap Changer positions and loading remains below the restrictions of the procedure.

INITIATING CUE

1. The Unit Supervisor has directed you to transfer Bus 21 and Bus 23 to TR-22 from TR-21 in accordance with DOP 6500-01.
2. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Provide the examinee with the provided copy of DOP 6500-01.</p> <p>This task has two parts, which can be performed in any order.</p>				
<p><u>CUE:</u></p> <p>IF the incoming and running voltages are NOT approximately equal, inform examinee that they ARE approximately equal.</p>				
TRANSFER BUS 21 TO TR-22				
*	1.	Position TR-22 to Bus 21 SYNCHROSCOPE selector switch to ON.	Switch in ON position.	_____
	2.	Verify: INCOMING VOLTS and RUNNING VOLTS meters approximately equal. SYNCHRONIZING meter at 12 o'clock position and <u>NOT</u> rotating. SYNCHRONIZING meter lights <u>NOT</u> glowing.	Voltages approximately equal. Meter <u>NOT</u> rotating. White lights extinguished.	_____
*	3.	Position TR-22 to Bus 21 breaker control switch to CLOSE.	RED light illuminated.	_____
	4.	Verify: SYNCHRONIZING meter at 12 o'clock position. TR-22 to Bus 21 breaker indicates CLOSED. Annunciator 902-8 D-1 in alarm.	Meter <u>NOT</u> rotating. RED light illuminated. Annunciator 902-8 D-1 illuminated.	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment	
*	5.	Position TR-21 to Bus 21 breaker control switch to TRIP.	GREEN light illuminated.	_____	_____	_____
	6.	Verify: TR-21 to Bus 21 breaker indicates OPEN. Annunciator 902-8 D-1 clears.	GREEN light illuminated. Annunciator 902-8 D-1 extinguished.	_____	_____	_____
	7.	Position TR-22 to Bus 21 synchroscope selector switch to OFF.	Switch in OFF position.	_____	_____	_____
	8.	Verify Bus 21 AMMETER and VOLTMETER indications are normal.	Verifies Bus 21 amps and volts are normal.	_____	_____	_____
<u>NOTE:</u>						
Amps may vary depending on conditions, and volts are normally ~ 4160.						
TRANSFER BUS 23 TO TR-22						
*	9.	Position TR-22 to Bus 23 SYNCHROSCOPE selector switch to ON.	Switch in ON position.	_____	_____	_____
	10.	Verify: INCOMING VOLTS and RUNNING VOLTS meters approximately equal. SYNCHRONIZING meter at 12 o'clock position and <u>NOT</u> rotating. SYNCHRONIZING meter lights <u>NOT</u> glowing.	Voltages approximately equal. Meter <u>NOT</u> rotating. White lights extinguished.	_____	_____	_____
*	11.	Position TR-22 to Bus 23 breaker control switch to CLOSE.	RED light illuminated.	_____	_____	_____

Job Performance Measure (JPM)

	PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
	12. Verify: SYNCHRONIZING meter at 12 o'clock position. TR-22 to Bus 23 breaker indicates CLOSED. Annunciator 902-8 C-3 in alarm.	Meter <u>NOT</u> rotating. RED light illuminated. Annunciator 902-8 C-3 illuminated.	_____	_____	_____
*	13. Position TR-21 to Bus 23 breaker control switch to TRIP.	GREEN light illuminated.	_____	_____	_____
	14. Verify: TR-21 to Bus 23 breaker indicates OPEN. Annunciator 902-8 C-3 clears.	GREEN light illuminated. Annunciator 902-8 C-3 extinguished.	_____	_____	_____
	15. Position TR-22 to Bus 23 synchroscope selector switch to OFF.	Switch in OFF position.	_____	_____	_____
	16. Verify Bus 23 AMMETER and VOLTMETER indications are normal.	Verifies Bus 23 amps and volts are normal.	_____	_____	_____
<u>NOTE:</u>					
Amps may vary depending on conditions, volts are normally ~ 4160.					
	17. Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____	_____	_____
<u>CUE:</u>					
Acknowledge report of task completion.					
END					

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: Auxiliary Power to TR-22 from TR-21

Revision Number: 01

JPM Number: S-N-f

Task Number and Title: 262L024, Transfer a 4160 volt bus between power supplies.

K/A Number and Importance: 262001.A4.04 3.6 / 3.7

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

Testing Method: Simulate Perform
Alternate Path: Yes No
SRO Only: Yes No

Time Critical: Yes No

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

References: DOP 6500-01, rev 10

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. Unit 2 was operating at rated power when the TR-21 trouble alarm is received.
3. The NLO, dispatched to TR-21, reported that the TR-21 cooling fans are not all operating and the transformer temperature is rising.
4. The Unit Supervisor has decided to unload TR-21 by transferring auxiliary power to TR-22.
5. Another operator will verify TR-86 Load Tap Changer positions and loading remains below the restrictions of the procedure.

INITIATING CUE

1. The Unit Supervisor has directed you to transfer Bus 21 and Bus 23 to TR-22 from TR-21 in accordance with DOP 6500-01.
2. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

PLACE A CONTROL ROD OUT OF SERVICE ON THE RWM

JPM Number: S-N-g

Revision Number: 02

Date: 09/08

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 01 Bank JPM.

Revision 02 Revised for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to IC 12.

NOTE: It is acceptable 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. Insert following Malfunctions and/or Remotes:

- irf RODH06DA (disarm control rod H-6).

3. Acknowledge and reset alarms.

DOCUMENT PREPARATION

1. A clean up copy of DOP 0400-02.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 NSO.
2. Control Rod H-06 was discovered uncoupled, 10 minutes ago.
3. All attempts to couple the rod have been unsuccessful.
4. The Control rod was then inserted to position 00, then electrically disarmed.
5. The QNE has been notified.

INITIATING CUE

1. The Unit Supervisor has directed you to take rod H-06 out of service on the Rod Worth Minimizer per DOP 0400-02, step G.3.c.(2).
2. Another NSO will complete DOA 0300-05 actions and logging requirements once control rod H-06 is OOS.
3. Inform the Unit Supervisor when the task is complete.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<u>NOTE:</u>				
Provide the examinee with the provided copy of DOP 0400-02.				
*	1.	Touches the area marked SECONDARY FUNCTION.	SECONDARY FUNCTION selected.	_____
*	2.	Touches the area marked ROD OUT OF SERVICE.	Rod full core display Appears.	_____
*	3.	Selects control rod H-06 on the touch screen.	Control Rod H-06 outlined with blue box and shown on screen as SELECTED.	_____
	4.	Visually verify that the selection is correct.	Verifies that Control Rod H-06 is selected.	_____
*	5.	Touches the ENTER REQUEST box.	H-06 Rod position numerals are blue.	_____
	6.	Touches the EXIT FUNCTION box.	RWM returns to the Main Display.	_____
<u>NOTE:</u>				
Performer may verify the rod OOS by any of the following:				
<ul style="list-style-type: none"> • The RWM Main Display for H-06 indicates 00 and is blue in color. • Select rod to ensure rod in and out blocks are applied. Rod indication is backlit in blue color. 				
	7.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____
<u>CUE:</u>				
Acknowledge report of task completion.				
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: PLACE A CONTROL ROD OUT OF SERVICE ON THE RWM

Revision Number: 02

JPM Number: S-N-g

Task Number and Title: 201L027, Enter Substitute Rod Position Data

K/A Number and Importance: 201006.A2.05 3.1 / 3.5

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

Testing Method: Simulate Perform
Alternate Path: Yes No
SRO Only: Yes No

Time Critical: Yes No

Estimated Time to Complete: 11 minutes **Actual Time Used:** _____ minutes

References: DOP 0400-02, rev 23

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 NSO.
2. Control Rod H-06 was discovered uncoupled, 10 minutes ago.
3. All attempts to couple the rod have been unsuccessful.
4. The Control rod was then inserted to position 00, then electrically disarmed.
5. The QNE has been notified.

INITIATING CUE

1. The Unit Supervisor has directed you to take rod H-06 out of service on the Rod Worth Minimizer per DOP 0400-02, step G.3.c.(2).
2. Another NSO will complete DOA 0300-05 actions and logging requirements once control rod H-06 is OOS.
3. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

SBGT POST MAINTENANCE TESTING WITH AN AUTO INITIATION SIGNAL

JPM Number: S-N-h

Revision Number: 07

Date: 09/08

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 06 Bank JPM.

Revision 07 Revised for 2009 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to any low power IC with Reactor Building ventilation operating in a normal lineup.

NOTE: It is acceptable 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. Ensure the 2/3A SBTG train is in STBY and the 2/3B SBTG train is in PRI.
3. Place control switches for Unit 2 and 3 DW and Torus Purge fans in **PTL** on 923-5 panel.
4. Insert following Malfunctions and/or Remotes:
 - Trg 1 "vgdstrta"
(Causes Trigger 1 to activate when 2/3 SBTG control switch is place to START)
 - Imf radrbdah (1 45)
(fails 'A' channel reactor building vent monitor high, to cause a Group II isolation 45 sec. after 2/3A SBTG switch is placed to START).
5. Setup the following Triggers:
 - None.

DOCUMENT PREPARATION

1. Marked up copy of DOS 7500-02.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Center Desk NSO.
2. 2/3B SBTG train is operable and 2/3A SBTG train is in day 2 of a 7 day LCO per ITS 3.6.4.3 Action A.
3. Maintenance has been completed on 2/3 A SBTG train and the train is back in service.
4. The prerequisites of DOS 7500-02 have been completed and IST testing is NOT required
5. No painting OR propane equipment operation has happened in the last 24 hours.
6. The Initial Cumulative Run Time has been recorded.

INITIATING CUE

1. The Unit 2 Supervisor has directed you to perform DOS 7500-02 for the 2/3A SBTG train for post maintenance testing.
2. Notify the Unit 2 Supervisor when the task is complete up to step I.12.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Provide the examinee with the provided copy of DOS 7500-02.</p>				
1.	Ensure the following: <ul style="list-style-type: none"> • 2/3 A and B AIR HEATERS are OFF. • 2/3 A and B Fans are OFF. 	Correctly verifies: <ul style="list-style-type: none"> • GREEN lights illuminated. • GREEN lights illuminated. 	_____	_____
2.	Verifies the following annunciators are NOT in alarm: <ul style="list-style-type: none"> • 923-5 A-6, STBY GAS TRT SYS A TROUBLE • 923-5 B-6, STBY GAS TRT SYS B TROUBLE 	Correctly verifies: <ul style="list-style-type: none"> • NOT illuminated. • NOT illuminated. 	_____	_____
*	3. Verify "B" SBTG SELECT SWITCH in B STBY position.	Places 2/3 B SBTG SELECT switch in B STBY.	_____	_____
*	4. Place 2/3 "A" SBTG SELECT SWITCH to START A position.	Places the 2/3 "A" SBTG SELECT SWITCH to START A.	_____	_____
<p><u>NOTE:</u></p> <p>The Initial Run Time data has already been recorded. (in the initial cues).</p>				
5.	Records the Initial Run Time data for SBTG Train "A" on Checklist A.	Verifies the Initial Run Time data for SBTG Train "A" on Checklist A.	_____	_____
<p><u>NOTE:</u></p> <p>45 sec. after the 2/3A SBTG control switch is placed to START, a malfunction is automatically inserted to cause a Reactor Building Hi-Hi Rad condition (auto start signal for SBTG).</p> <p>Depending on speed of candidate, the following step may or may NOT be completed prior to the malfunction being inserted.</p>				

Job Performance Measure (JPM)

	PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment	
	6.	Verifies the 2/3A SGBT train initiated properly.	Verifies the 2/3A SGBT train is initiated properly.	_____	_____	_____
<u>NOTE:</u>						
When Reactor Building Hi-Hi rad signal is received, the examinee should recognize the need to perform the required Limitation and Action steps (which may be performed in any order).						
<u>CUE:</u>						
When Reactor Building Isolates (alarm 902-3 F-14), provide the following cue: "Attention for an update, Reactor Building Vent Channel 'A' Rad Hi-Hi alarm received"						
BEGIN ALTERNATE PATH						
*	7.	Place the SELECT SWITCH for the non-running train to PRI.	Places the SELECT SWITCH for "B" SGBT train to PRI.	_____	_____	_____
*	8.	Place the control switch for the train under test to OFF.	Places the control switch for "A" SGBT train to OFF.	_____	_____	_____
	9.	Verify train in PRI has sufficient flow and the heater is operating.	Nominally ~4000 scfm.	_____	_____	_____
	10.	Place the Train previously under test to STBY.	Places the control switch for "A" SGBT train to STBY.	_____	_____	_____
	11.	Verifies a Reactor Building Isolation has occurred on Panel 923-4.	Uses the Limitations and Actions section of DOS 7500-02, or any other procedure to verify the Reactor Building Isolation.	_____	_____	_____
	12.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____	_____	_____
<u>CUE:</u>						
Acknowledge report of task completion.						
			END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO SRO

JPM Title: SGBT POST MAINTENANCE TESTING WITH AN AUTO INITIATION SIGNAL

Revision Number: 07

JPM Number: S-N-h

Task Number and Title: 261L002, Start the SGBT system.

K/A Number and Importance: 261000.A2.13 3.4 / 3.7

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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: DOS 7500-02, rev 44

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: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Center Desk NSO.
2. 2/3B SBTG train is operable and 2/3A SBTG train is in day 2 of a 7 day LCO per ITS 3.6.4.3 Action A.
3. Maintenance has been completed on 2/3 A SBTG train and the train is back in service.
4. The prerequisites of DOS 7500-02 have been completed and IST testing is NOT required
5. No painting OR propane equipment operation has happened in the last 24 hours.
6. The Initial Cumulative Run Time has been recorded.

INITIATING CUE

1. The Unit 2 Supervisor has directed you to perform DOS 7500-02 for the 2/3A SBTG train for post maintenance testing.
2. Notify the Unit 2 Supervisor when the task is complete up to step I.12.