Exelon Nuclear		
Job Perfor	mance Measure	
STARTUP OF A SECOND RECIRCULATION PUMP WITH FAILURE OF THE DISCHARGE VALVE TO OPEN		
JPM Nu	umber: S-N-a	
Revisio	n Number: 02	
Da	te: 09/08	
Developed By: Instructor	Date	
Approved By: Facility Repres	sentative Date	

Revision Record (Summary)

Revision 01 Bank JPM.

Revision 02 Revised for 2009 NRC Exam.

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.

S-N-a

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.
- 7. Another NSO will acknowledge annunciators not associated with this task.

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.

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: _____

PERFORMANCE CHECKLIST		FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
			NOTE:			
		Provide the examine	e with the provided copy of DO	OP 0202-01.		
*	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.			
			NOTE:			
		Time Reci	irc Pump Started:			
		MG set start Pump start can be verified l	s ~8 seconds before pump mo by Pump DP increasing and/o	otor. r amps increa	asing.	
	2. Observe the following: Observes or monitors the following: • 2B M-G SET DRIVE MOTOR breaker indicates CLOSED. • 2B M-G Set Drive Motor Blue On light illuminated. • 2B RECIRC PP SPEED CONTLR, speed indication rises to a peak of 60% to 80%. • 2B M-G SET DRIVE MOTOR breaker closes. • 2B M-G SET FIELD BKR CLOSES seven seconds after M-G SET DRIVE MOTOR breaker closes. • MG Field breaker Blue Closed light illuminated. • MG Field breaker Blue Closed light illuminated. • MG Field breaker Blue Closed light illuminated. • RECIRC PP SPEED CONTLR speed indication settles out and then decays to approximately • Monitors speed on Percent speed meter.					
		IF dual valve position indication	NOTE: on is <u>NOT</u> obtained within 2 m <u>EN</u> trip the Recirc Pump.	inutes of pun	np start,	

PERFORMANCE CHECKLIST		FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
	<u>CUE:</u>					
	r	Respond as	needed, as the NLO in the fig	eld.		
	3.	While observing APRM response <u>AND</u> Recirc loop flow indications after each individual open step (jog), perform the following:	Attempts to OPEN MO 2-202-5B, 2B PP DISCH VLV by either or both of the following:			
		 Open, MO 2-202-5B, 2B PP DISCH VLV, just to the point of dual valve position indication. 	 Jog open by using 2B PP DISCH VLV Jog control. <u>OR</u> Throttling open with 2B PP DISCH VLV c/s. 			
		BE	GIN ALTERNATE PATH			
			NOTE:			
		The MO 2-202-5E	3, 2B PP DISCH VLV, will <u>NO</u>	<u>T</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)			
			NOTE:	I		
	Time I	Recirc Pump Secured:	(Pump must be tripped w	ithin 2 minute	s of pump s	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>					
		Acknowle	edge report of task completion			
			END			

JPM Stop Time:_____

Operator's Nam	ne:	
Job Title: RC	SRO	
JPM Title: Start Revision Numb JPM Number: Task Number at	tup of a second Recirculation Pump with failure of the ber: 02 S-N-a nd Title: 202L002, Perform a Unit 2 Recirculation sys	discharge valve to open. tem startup.
K/A Number ar	nd Importance: 202001.A4.01 3.7 / 3.7	
Suggested Test	ting Environment: Simulator	
Actual Testing	Environment: Simulator Control Room	In-Plant
Testing Metho	d: \Box SimulateAlternate Path: \boxtimes Yes \boxtimes PerformSRO Only: \Box Yes	□ No ⊠ No
Time Critical:	\Box Yes \boxtimes No	
Estimated Tim	e to Complete: 14 minutes Actual Time Used	: minutes
References: D(OP 0202-01, rev 58	
EVALUATIO Were all the Cri	N SUMMARY: itical Elements performed satisfactorily?	es 🗌 No
The operator's j determined to b	performance was evaluated against the standards conta e: Satisfactory Unsat	ined in this JPM, and has been isfactory
Comments:		
Evaluator's Nat	me (Print):	
Evaluator's Sig	nature:	Date:

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.
- 7. Another NSO will acknowledge annunciators not associated with this task.

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 FF	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	

Revision Record (Summary)

Revision 02 Bank JPM.

Revision 03 Revised for 2009 NRC Exam.

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.

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.

JPM Start Time: _____

	PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment		
	NOTE:							
	1	Provide the examine	e with the provided copy of Do	JP 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:	GREEN lights illuminated on the following:					
		 MO 2-3205A, FW LINE STOP. 	• MO 2-3205A					
		 MO 2-3205B, FW LINE STOP. 	• MO 2-3205B					
		• MO 2-3206A, 2A FW REG ISOL.	• MO 2-3206A					
		• MO 2-3206B, 2B FW REG ISOL.	• 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.					

	PEF	FORMANCE 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.			
			<u>NOTE:</u>			
		The LOW FLOW FWR' when the LOW FLO	V will automatically transfer to W FWRV position is 85% feed	the 2B FWR dwater flow.	V	
	9.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.			
	<u>CUE:</u>					
	Acknowledge report of task completion.					
			END			

JPM Stop Time:_____

Operator's Name:					
Job Title: RO	SRO]			
JPM Title: PLACE Revision Number: (JPM Number: S-N- Task Number and T	A FRV IN SERV 03 -b Fitle: 259L021, P	VICE IN AUTO DUR	ING UNIT STA	ARTUP	
K/A Number and Ir	nportance: 25900	02.A4.03 3.8/3.6			
Suggested Testing	Environment:	Simulator			
Actual Testing En	vironment:	Simulator Con	ntrol Room	In-Plant	
Testing Method:	☐ Simulate ⊠ Perform	Alternate Path: SRO Only:	Yes Yes	⊠ No ⊠ No	
Time Critical:	🗌 Yes 🛛	No			
Estimated Time to	Complete: 15	minutes Actual	Гіme Used:	minutes	
References: DOP	0600-06 , rev 34				
EVALUATION S Were all the Critica	U MMARY: Il Elements perfo	ormed satisfactorily?	Yes	D No	
The operator's perfedetermined to be:	ormance was eva	aluated against the stan] Satisfactory	dards contained	d in this JPM, and ctory	l has been
Comments:					
Evaluator's Name (Print):					
Evaluator's Signatu	ıre:		Da	ate:	

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.

Exelon Nuclear			
	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	

Revision Record (Summary)

Revision 00 New JPM created for 2009 NRC Exam.

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. Ensure that neither DEHC monitor is on the pressure control screen.
- 3. Insert following Malfunctions and/or Remotes:
 - None.
- 4. Setup the following Triggers:
 - None.

DOCUMENT PREPARATION

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

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. A transient has occurred and the Unit Supervisor is anticipating Emergency Depressurization.
- 3. Another NSO will acknowledge annunciators not associated with this task.

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.

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:

	PEF	FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
			NOTE:			
		Examinee should locate	the hard card, then provide the	e included co	ру.	
	-	All the below actions can be pe	rformed on <u>either</u> of the Digita	I EHC contro	l stations.	
*	1.	Select <control>.</control>	Utilizing the trackball controller, clicks on <control>.</control>			
*	2.	Select <bpv jack="">.</bpv>	Utilizing the trackball controller, clicks on <bpv jack="">.</bpv>			
*	3.	Select <stpt ramp="">.</stpt>	Utilizing the trackball controller, clicks on <stpt ramp="">.</stpt>			
*	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>.</ok>	Utilizing the trackball controller, clicks on <ok>.</ok>			
*	7.	Confirm 100% and 100% / min have been inputted and select <ok>.</ok>	Examinee confirms proper values are inputted and clicks on <ok>.</ok>			
	8.	Verify all Bypass valves are fully opening.	All 9 valve boxes filled green.			
	9.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.			
			CUE:			
		Acknowle	edge report of task completion			
			END			

JPM Stop Time:_____

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	mportance: 241000.A4.	.06 3.9/3.9			
Suggested Testing	g Environment: Simu	ılator			
Actual Testing E	ıvironment: 🛛 🖂 S	imulator 🗌 Control Room	In-Plant		
Testing Method:	☐ Simulate ⊠ Perform	Alternate Path: Yes SRO Only: Yes	\bowtie No \bowtie No		
Time Critical:	🗌 Yes 🛛 No				
Estimated Time (o Complete: 12 minute	es Actual Time Used	: minutes		
References: DGF	02-03 Attachment E (h	ard card), rev 82			
EVALUATION S Were all the Critic	UMMARY: al Elements performed s	satisfactorily? 🗌 Y	es 🗌 No		
The operator's per determined to be:	formance was evaluated	against the standards conta factory Dusat	ained in this JPM, and has been isfactory		
Comments:					
Evaluator's Name (Print):					
Evaluator's Signat	ure:		Date:		

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. A transient has occurred and the Unit Supervisor is anticipating Emergency Depressurization.
- 3. Another NSO will acknowledge annunciators not associated with this task.

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.

Exelon Nuclear			
	Job Performance Measure		
STARTUP THE	ISOLATION CONDENSER W MAKEUP SYSTEM	ITH A FAILURE OF THE	
	JPM Number: S-N-o	d	
	Revision Number: 00		
	Date: 01/09		
Developed By:			
	Instructor	Date	
Approved By:			
	Facility Representative	Date	

Revision Record (Summary)

Revision 00 New JPM developed for the 2009 NRC Exam.

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. Ensure 2/3A Clean Demin Pump is operating.
- 4. Ensure 2/3B Clean Demin Pump is **NOT** operating.
- 5. Place 2/3B ISOL CNDR M U PP control switch in PTL.
- 6. Place a CO tag on the 2/3B ISOL CNDR M U PP control switch.
- 7. Enter the following Simulator Expert commands which trips the 2/3A Diesel Driven Iso Makeup Pump a few seconds after starting:
 - trgset 1 "wmsdp(1)" { Trigger 1 Activates when 2A IC M-U PP is started}
 - imf wmpmpaf (1 2) { After 2 sec, inserts a trip of 2A IC M-U PP}
- 8. Verify Reactor Pressure is < 1050 psig.
- 9. Acknowledge / Reset alarms.

DOCUMENT PREPARATION

1. Marked up copy of DOP 1300-03.

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. The U2 Isolation Condenser (IC) has been verified in Standby per DOP 1300-01.
- 3. A pressure transient has occurred which requires the manual initiation of the U2 IC.
- 4. An NLO is in the field to monitor operation of the U2 IC.
- 5. 2/3B ISOL CNDR M U PP is OOS for pump replacement.
- 6. The time of IC initiation in Unit 2 Reactor Log Book will be recorded by another NSO.

INITIATING CUE

- 1. The Unit Supervisor has directed you to startup the U2 Isolation Condenser to full flow per DOP 1300-03 Step G.4.
- 2. Hard Cards are NOT authorized.
- 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.

JPM Start Time:

	PER	RFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
			NOTE:			
	Provide the examinee with the provided copy of DOP 1300-03.					
*	1.	Place AO 2-1301-17 AO 2-1301-20, VENT VLV, control switch in CLOSE and verify closed.	Both RED lights illuminated.			
	2.	Rotate RX INLET ISOL VLV HAND/RESET to HAND.	Places switch to HAND position and releases.			
	3.	Verify annunciator 902-3 B-4, ISOL CONDR VLVS OFF NORMAL, alarms.	Annunciator 902-3 B-4, ISOL CONDR VLVS OFF NORMAL illuminated.			
*	4.	Open AND throttle MO 2-1301-3, RX INLET ISOL, as necessary.	RED light illuminated.			
	5.	Monitor IC shell level using ISOL CONDR LVL, LI 2-1340-2, on Panel 902-3.	Pointer in normal GREEN band.			
	6.	Open MO 2-4399-74, CLEAN DEMIN VLV.	RED light illuminated.			
	7.	Start 2/3A ISOL CNDR M-U PP.	RED Light illuminated.			
			NOTE:	I		
2/	2/3A ISOL CNDR M U PP will trip a few seconds after starting, due to a malfunction inserted in setup.					
		BE	GIN ALTERNATE PATH			
*	8.	Directs NLO to close 2-4399-756, 2/3 ISOL CDSR CLEAN DEMIN MAKEUP	Directs NLO to close the valve.			

SYS DISCH HDR TO U2 ISOL CDSR ISOL VLV.

PERFORMANCE CHECKLIST		FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment			
	<u>CUE:</u>								
	2-4399-756, ISOL CDSR CLEAN DEMIN M/U SYS DISCH HDR TO U2 ISOL CDSR ISOL VLV is closed.								
*	9.	Starts 2/3B CLEAN DEMIN water Pump.	BLUE light illuminated.						
*	10.	Directs NLO to unlock and open 2-4399-72, U2 ISOL CDSR CLEAN DEMIN WTR SUPPLY.	Directs NLO to unlock and open the valve.						
			<u>CUE:</u>						
	2	-4399-72, U2 ISOL CDSR CLEA	N DEMIN WTR SUPPLY val	/e is unlocked	d and open.				
			<u>NOTE:</u>						
		IC level requir	es a long time for level to incr	ease.					
	11.	Cycle MO 2-4399-74, CLEAN DEMIN VALVE, as needed to maintain LI 2-1340-2, ISOL CONDR LVL, in green band.	Maintains level in green band.						
			<u>CUE:</u>						
		Inform examinee that an	other NSO will now assume d	luties for the l	IC.				
	12.	Informs Unit Supervisor the Clean Demin Pumps did NOT start and is currently maintaining IC level with the Clean Demin valves and that the task is complete	Examinee notifies the Unit Supervisor.						
			CUE:						
		Acknowle	edge report of task completion	•					
			END						

JPM Stop Time:_____

Operator's Name:	
Job Title: RO SRO	
JPM Title: Startup the Isolation Condenser with A Failure of Revision Number: 00 JPM Number: S-N-d Task Number and Title: DRE207LN008, Given a set of cond determine the corrective actions required to return the Isolati	f The Makeup System. ditions, analyze the conditions and ion Condenser to a stable condition
K/A Number and Importance: 207000.A4.01 3.7 / 3.8	
Suggested Testing Environment: Simulator	
Actual Testing Environment: Simulator Contr	rol Room 🗌 In-Plant
Testing Method:SimulateAlternate Path:Image: PerformImage: SRO Only:	$\begin{array}{ c c c } \hline & Yes & \square & No \\ \hline & Yes & \boxtimes & No \\ \hline \end{array}$
Time Critical: Yes No	
Estimated Time to Complete: 15 minutes Actual Time	me Used: minutes
References: DOP 1300-03, rev 27	
EVALUATION SUMMARY: Were all the Critical Elements performed satisfactorily?	Yes No
The operator's performance was evaluated against the standard etermined to be:	ards contained in this JPM, and has been Unsatisfactory
Comments:	
Evaluator's Name (Print):	
Evaluator's Signature:	Date:

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- The U2 Isolation Condenser (IC) has been verified in Standby per DOP 1300-01.
- 3. A pressure transient has occurred which requires the manual initiation of the U2 IC.
- 4. An NLO is in the field to monitor operation of the U2 IC.
- 5. 2/3B ISOL CNDR M U PP is OOS for pump replacement.
- 6. The time of IC initiation in Unit 2 Reactor Log Book will be recorded by another NSO.

INITIATING CUE

- 1. The Unit Supervisor has directed you to startup the U2 Isolation Condenser to full flow per DOP 1300-03 Step G.4.
- 2. Hard Cards are NOT authorized.
- 3. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear					
Job Performance Measure					
VERIFY SI	PURIOUS GROUP 3 ISOLATI	ON - INCOMPLETE			
	JPM Number: S-N-	e			
	Revision Number: 00				
	Date: 09/08				
Developed By:					
	Instructor	Date			
Approved By:					
	Facility Representative	Date			

Revision Record (Summary)

Revision 00 Modified from a different 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.

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.

- * 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.

JPM Start Time: _____

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

PERFORMANCE CHECKLIST			STANDARDS	SAT	UNSAT	Comment
		BE	GIN 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.	GREEN light illuminated.			
	14.	Examinee verifies CLOSED MO 2-1001-4C.	GREEN 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.	GREEN 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>			
		Acknowle	edge report of task completion	•		
			END			

JPM Stop Time:_____

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					
TRA	ANSFER POWER TO TR-22 FR	OM TR-21			
	JPM Number: S-N-f				
	Revision Number: 01				
	Date: 09/08				
Developed By:	Instructor	Date			
Approved By:	Facility Representative	Date			

Revision Record (Summary)

Revision 00 New JPM.

Revision 01 Revised for 2009 NRC Exam.

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.

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.

JPM Start Time: _____

	PER	RFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
			NOTE:			
		Provide the examine	e with the provided copy of D	OP 6500-01.		
		This task has two pa	arts, which can be performed i	n any order.		
			<u>CUE:</u>			
		IF the incoming and run inform examined	nning voltages are NOT appro e that they ARE approximately	ximately equa / equal.	al,	
		TRAI	NSFER 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. Position TR-22 to Bus 21	Voltages approximately equal. Meter <u>NOT</u> rotating. White lights extinguished. RED light illuminated.			
		breaker control switch to CLOSE.				
	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.			

	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.	GREEN light liuminated.			
		Annunciator 902-8 D-1 clears.	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 dependin	g on conditions, and volts are	normally ~ 4	160.	
		TRAI	NSFER 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.	Voltages approximately equal.			
		SYNCHRONIZING meter at	Meter <u>NOT</u> rotating.			
		12 o'clock position and <u>NOT</u> rotating.	White lights extinguished.			
		SYNCHRONIZING meter lights <u>NOT</u> glowing.				
*	11.	Position TR-22 to Bus 23 breaker control switch to CLOSE.	RED light illuminated.			

PERFORMANCE CHECKLIST		FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
	12.	Verify:				
		SYNCHRONIZING meter at 12 o'clock position.	Meter <u>NOT</u> rotating.			
		TR-22 to Bus 23 breaker indicates CLOSED.	RED light illuminated.			
		Annunciator 902-8 C-3 in alarm.	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.	GREEN light illuminated.			
		Annunciator 902-8 C-3 clears.	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.			
			NOTE:			
		Amps may vary depend	ing on conditions, volts are no	ormally ~ 416	0.	
	17.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.			
			CUE:			
		Acknowle	edge report of task completion			
			END			

JPM Stop Time:_____

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 Measur	e	
Drive TIP Detector to the Isolation Test P	Position	
JPM Number: S-N-g	ostion	
Revision Number: 02		
Date: 01/09		
Developed By:		
Instructor	Date	
Approved By: Facility Representative	Date	

Revision Record (Summary)

Revision 01 Bank JPM.

Revision 02 Revised to current procedure revision for 2009 NRC Exam.

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. Ensure NO Group 2 isolation is present.
- 3. Insert following Malfunctions and/or Remotes:
 - None.
- 4. Setup the following Triggers:
 - None.

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. Post Maintenance Testing is required on the 2A TIP machine.
- 3. The Radiation Protection Department has been notified of the pending evolution.
- 4. All personnel are clear of TIP room, Shield Chamber, Index Machine and CRD areas.

INITIATING CUE

- 1. The Unit Supervisor has directed you to drive Channel "A" TIP Detector to the ISOLATION TEST POSIITION per DOP 0700-06 step G.3.
- 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.

JPM Start Time: _____

PER	FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
		NOTE:			
	Provide	the Examinee a copy of DOP 070	00-06		
1.	Verify all BALL VALVES closed at Panel 902(3)-13:	White indicating lights illuminated for:			
	VLV CONTROL CH 1	VLV CONTROL CH 1			
	• VLV CONTROL CH 2	VLV CONTROL CH 2			
	• VLV CONTROL CH 3	VLV CONTROL CH 3			
	• VLV CONTROL CH 4	VLV CONTROL CH 4			
	• VLV CONTROL CH 5	VLV CONTROL CH 5			
2.	Select DRIVE CONTROL CH A to insert detector.	Selects DRIVE CONTROL CH A.			
3. *	Place MODE switch in MAN.	Rotate switch to the MAN position.			
4. *	Place MAN. VALVE CONTROL in OPEN.	Rotate switch to the OPEN position.			
5.	At VLV CONTROL CH 1, verify BALL VALVE OPEN light is illuminated.	Red light is illuminated.			
		<u>NOTE:</u>			
	Cycling of the mode	e switch, per step G.3.h, should no	ot be necess	ary.	
6. *	Place MANUAL switch in REV.	Rotate switch to the REV position.			
7. *	Place MANUAL switch in OFF.	Rotate switch to the OFF position.			
8.	Verify READY light LIT.	White light is illuminated.			
9.	Place CORE LIMIT selector in TOP.	Rotate switch to the TOP position.			

PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment #
10.	Verify CORE LIMIT display produces a digit symbol in each digit window.	A digit is displayed in all four windows.			
11.	Place CORE LIMIT selector in BOTTOM.	Rotate switch to the BOTTOM position.			
12.	Verify CORE LIMIT display produces a digit symbol in each digit window.	A digit is displayed in all four windows.			
13.	Verify DETECTOR POSITION display produces a digit symbol in each digit window.	A digit is displayed in all four windows.			
		<u>NOTE:</u>			
	Procedure	step G.3.q is not required to be pe	erformed.		
14.	Verify CORE LIMIT switch in BOTTOM position.	Switch is in BOTTOM position.			
15. *	At DRIVE CONTROL CH A, place MANUAL switch in FWD to start TIP detector insertion.	Rotate switch to the FWD position.			
16.	Verify DETECTOR POSITION rises from the IN-SHIELD position with increasing counts.	Digits increasing.			
17.	WHEN DETECTOR POSITION has counted approximately 30 digits, THEN place MANUAL switch in OFF.	Rotate switch to the OFF position.			
18.	Verify the IN-SHIELD light is OFF at the applicable Drive Unit.	White light is extinguished.			

PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment #
19. Informs Unit Supervisor		Examinee notifies the Unit 2 Unit Supervisor			
		<u>CUE:</u>			
Acknowledge report of task completion		n.			
		END			

JPM Stop Time:_____

perator's Name:
b Title: RO SRO
PM Title: Drive TIP Detector to Isolation Position PM Number: S-N-g Revision Number: 02 ask Number and Title: 21501LP002, Given plant conditions which require a TIP trace, run a TIP ace in the manual mode of operation.
/A Number and Importance: 215001.A4.03 3.0 / 3.1
aggested Testing Environment: Simulator
ctual Testing Environment: Simulator Control Room In-Plant
esting Method: \Box SimulateAlternate Path: \Box Yes \boxtimes No \boxtimes PerformSRO Only: \Box Yes \boxtimes No
Time Critical: Yes Xo
stimated Time to Complete: 15 minutes Actual Time Used: minutes
eferences: DOP 0700-06, rev 24
VALUATION SUMMARY: Vere all the Critical Elements performed satisfactorily?
he operator's performance was evaluated against the standards contained in this JPM, and has been extermined to be:
omments:
Evaluator's Name: (Print)
valuator's Signature: Date:

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. Post Maintenance Testing is required on the 2A TIP machine.
- 3. The Radiation Protection Department has been notified of the pending evolution.
- 4. All personnel are clear of TIP room, Shield Chamber, Index Machine and CRD areas.

INITIATING CUE

- 1. The Unit Supervisor has directed you to drive Channel "A" TIP Detector to the ISOLATION TEST POSIITION per DOP 0700-06 step G.3.
- 2. Inform the Unit Supervisor when the task is complete.

	Exelon Nuclear	
	Job Performance Me	asure
SBGT POST MAIN	TENANCE TESTING WITH AN	I AUTO INITIATION SIGNAL
	JPM Number: S-N-I	h
	Revision Number: 0	7
Date: 09/08		
Developed By:	Instructor	Date
Approved By:	Facility Representative	Date

Revision Record (Summary)

Revision 06 Bank JPM.

Revision 07 Revised for 2009 NRC Exam.

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 SBGT train is in STBY and the 2/3B SBGT 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 SBGT 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 SBGT switch is placed to START).
- 5. Setup the following Triggers:
 - None.

DOCUMENT PREPARATION

1. Marked up copy of DOS 7500-02.

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. Maintenance has been completed on 2/3 A SBGT train and the train is back in service.
- 3. The prerequisites of DOS 7500-02 have been completed.
- 4. IST testing is NOT required
- 5. Valve timing is NOT required.
- 6. No painting OR propane equipment operation has happened in the last 24 hours.
- 7. 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 SBGT 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.

JPM Start Time: _____

	PER	FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
			NOTE:			
		Provide the examine	e with the provided copy of DO	OS 7500-02.		
	1.	Ensure the following:	Correctly verifies:			
		 2/3 A and B AIR HEATERs are OFF. 	 GREEN lights illuminated. 			
		 2/3 A and B Fans are OFF. 	 GREEN lights illuminated. 			
	2.	Verifies the following annunciators are NOT in alarm: • 923-5 A-6, STBY GAS	Correctly verifies:NOT illuminated.			
		 TRT SYS A TROUBLE 923-5 B-6, STBY GAS TRT SYS B TROUBLE 	NOT illuminated.			
*	3.	Verify "B" SBGT SELECT SWITCH in B STBY position.	Places 2/3 B SBGT SELECT switch in B STBY.			
*	4.	Place 2/3 "A" SBGT SELECT SWITCH to START A position.	Places the 2/3 "A" SBGT SELECT SWITCH to START A.			
			NOTE:			
	The Initial Run Time data has already been recorded. (in the initial cues).					
	5.	Records the Initial Run Time data for SBGT Train "A" on Checklist 1.	Verifies the Initial Run Time data for SBGT Train "A" on Checklist 1.			
	NOTE: 45 sec. after the 2/3A SBGT control switch is placed to START, a malfunction is automatically inserted to cause a Reactor Building Hi-Hi Rad condition (auto start signal for SBGT). Depending on speed of candidate, the following step may or may NOT be completed prior to the malfunction being inserted					

	PER	FORMANCE CHECKLIST	STANDARDS	Comment UNSAT SAT		Comment
	6.	Verifies the 2/3A SBGT train initiated properly.	Verifies the 2/3A SBGT train is initiated properly.			
			NOTE:			
	Whe p	n Reactor Building Hi-Hi rad sigr erform the required Limitation ar	nal is received, the examinee s nd Action steps (which may be	should recogr performed ir	nize the nee n any order)	ed to
			<u>CUE:</u>			
		When Reactor Building Isola "Attention for an update, Reacto	ites (alarm 902-3 F-14), provic r Building Vent Channel 'A' Ra	le the followir ad Hi-Hi alarn	ng cue: n received"	
		BE	GIN ALTERNATE PATH			
*	7.	Place the SELECT SWITCH for the non-running train to PRI.	Places the SELECT SWITCH for "B" SBGT train to PRI.			
*	8.	Place the control switch for the train under test to OFF.	Places the control switch for "A" SBGT 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" SBGT train to STBY.			

PERFORMANCE CHECKLIST		FORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
	11.	 Verifies a Reactor Building Isolation has occurred on Panel 923-4, verifying the following: Trip of both units Reactor Building Vent Fans (Panel 923-5) Trip of both units' Reactor Building Exhaust Fans (Panel 923-5) Trip of both units Drywell and Torus Purge Fans (Panel 923-5) Closure of both units Reactor Building Ventilation Isolation Dampers (Panel 923-4) 	 Verifies: GREEN lights illuminated. GREEN lights illuminated. GREEN lights illuminated. 			
	12.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.			
	CUE: Acknowledge report of task completion.					
			END			

JPM Stop Time:_____

Operator's Name:
Job Title: RO SRO
JPM Title: SBGT POST MAINTENANCE TESTING WITH AN AUTO INITIATION SIGNAL Revision Number: 07 JPM Number: S-N-h Task Number and Title: 261L002, Start the SBGT 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:SimulateAlternate Path:YesNoPerformSRO Only:YesNo
Time Critical: \Box Yes \boxtimes 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:

INITIAL CONDITIONS

- 1. You are the Unit 2 Aux NSO.
- 2. Maintenance has been completed on 2/3 A SBGT train and the train is back in service.
- 3. The prerequisites of DOS 7500-02 have been completed.
- 4. IST testing is NOT required
- 5. Valve timing is NOT required.
- 6. No painting OR propane equipment operation has happened in the last 24 hours.
- 7. 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 SBGT train for post maintenance testing.
- 2. Notify the Unit 2 Supervisor when the task is complete up to step I.12.