NRC REGION III

INITIAL LICENSE EXAM

JOB PERFORMANCE MEASURE

JPM: RO SRO-U SYSTEMS i

TITLE: OUTSIDE CONTROL ROOM 'B' ESDE ISOLATION PER EOP SUPPLEMENT 18

CANDIDATE: _____

EXAMINER: _____

JOB PERFORMANCE MEASURE
DATA PAGE

Task: Outside Control Room 'B' S/G ESDE Isolation IAW EOP Supplement 18

Alternate Path: NO

Facility JPM #: PL-OPS-EOP-010J

K/A: 040AA1.03 Importance: RO: 4.3 SRO: 4.3

K/A Statement: Isolation of one steam line from the header

Task Standard: "B" S/G isolated per EOP Supplement 18 Section 2.0 with the ADVs isolated via the preferred method.

Preferred Evaluation Location: Simulator ____ In Plant __X___

Preferred Evaluation Method: Perform ____ Simulate __X__

References: EOP-6.0, Excess Steam Demand Event
EOP-Supplement 18, 'B' S/G ESDE Isolation Checklist

Validation Time: 20 minutes Time Critical: NO

Candidate: _____

Time Start: _____ Time Finish: _____

Performance Time: _____ minutes

Performance Rating: SAT_____ UNSAT _____

Comments:

Examiner: _____ Date: _____
Signature

EXAMINER COPY ONLY

Tools/Equipment/Procedures Needed:

- EOP Supplement 18, 'B' S/G ESDE Isolation Checklist, Section 1.0, Isolation from the Control Room, Rev. 6

Also see **Simulator Operator Instructions** (last page of this document).

READ TO CANDIDATE

DIRECTION TO CANDIDATE:

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

INITIAL CONDITIONS:

- The Plant has been tripped from 100% power.
- EOP-6 has been entered due to a steam leak on the "B" S/G.
- The control room has completed EOP Supplement 18 "B" S/G Isolation Checklist Section 1.0, Isolation from the Control Room.
- All steps of Section 1.0 have been completed with the exception of CV-0501, 'B' S/G MSIV which did not close.

INITIATING CUES:

- The CRS directs you to perform EOP Supplement 18 "B" S/G Isolation Checklist Section 2.0, Isolation Outside the Control Room.
- MSIV isolation is to be performed at Panel C-181 (Bus 1D Cable Way), MSIV Solenoid Valve Panel
- ASDV isolation is to be by the "preferred method" (manual isolation valve closure).

Proc. Step	TASK ELEMENT 1	STANDARD	Grade
n/a	Locate EOP Supplement 18.	EOP Supplement 18 located.	**S U**
Comment: NOTE: ***Evaluator provides the operator a working copy EOP Supp. 18, Step 1.0, Isolation From The Control Room completed with the exception of Step 1.a, CV-0501 is "circled" as not being complete.***			

Proc. Step	TASK ELEMENT 2	STANDARD	Grade
2.1.a	IF either MSIV did NOT close from the Control Room, THEN **CLOSE** the MSIV by manually unlatching the indicated solenoids from ANY of the following locations: C-181 ('D' Bus Cableway) for 'B' S/G (CV-0501): SV-0502 and SV-0514	SV-0502 and SV-0514 unlatched at C-181 panel	**S U**
Comment: NOTE: Operator **is not to open** Panel C-181, **simulate** only. NOTE: ***EVALUATOR CUE: SV-0502 and SV-0514 are unlatched, CV-0501, 'B' S/G MSIV is closed.*** **CRITICAL STEP**			

Proc. Step	TASK ELEMENT 3	STANDARD	Grade
2.1.b	**ISOLATE** S/G E-50B Atmospheric Steam Dump Valves using ANY of the following methods: 1. CLOSE the following Atmospheric Steam Dump Isolation Valves (Preferred method): ▪ MV-MS102, Steam Dump Isolation Valve, CV-0779 ▪ MV-MS104, Steam Dump Isolation Valve, CV-0780	MV-MS102, Steam Dump Isolation Valve, CV-0779, closed by turning the valve hand wheel in the clockwise direction. MV-MS104, Steam Dump Isolation Valve, CV-0780, closed by turning the valve hand wheel in the clockwise direction	**S U**

Comment:

NOTE: Operator **is not to close** MV-MS102 and MV-MS104, **simulate** only. (About 150 turns is required to close a Steam Dump Isolation Valve from full open).

NOTE: ***EVALUATOR CUE: After operator has simulated operating each valve hand wheel in the clockwise direction, CUE operator that valve has turned many times and has stopped moving.***

CRITICAL STEP

Proc. Step	TASK ELEMENT 4	STANDARD	Grade
2.1.c	Close the following S/G E-50B Steam Dump Drain Trap valves: ▪ MV-MS527, ST-0790 Inlet ▪ MV-MS529, ST-0790 Bypass ▪ MV-MS523, ST-0789 Inlet ▪ Mv-MS525, ST-0789 Bypass	The following E-50B S/G Steam Dump Drain Trap valves closed by turning hand-wheel clockwise: ▪ MV-MS527, ST-0790 Inlet ▪ MV-MS529, ST-0790 Bypass ▪ MV-MS523, ST-0789 Inlet ▪ Mv-MS525, ST-0789 Bypass	**S U**

Comment:

NOTE: Operator **is not to close** MV-MS527, MV-MS529, MV-MS523, or MV-MS525, **simulate** only

NOTE: ***EVALUATOR CUE: After operator has simulated operating each valve hand wheel in the clockwise direction, CUE operator that valve has closed.***

CRITICAL STEP: MV-MS527, ST-0790 Inlet and MV-MS523, ST-0789 Inlet are the only critical parts of this step (MV-MS529, ST-0790 Bypass and MV-MS525, ST-0789 Bypass are all ready closed, per system checklists).

Proc. Step	TASK ELEMENT 5	STANDARD	Grade
2.1.d	**VERIFY** S/G E-50B Safety Valves are CLOSED	E-50B Safety Valve exhausts verified closed (no steam coming from them).	**S U**

Comment:

NOTE: ***EVALUATOR CUE: no steam is issuing from any Safety Valve exhausts.***

Proc. Step	TASK ELEMENT 6	STANDARD	Grade
2.1.e	IF CV-0744, 'B' S/G Main Feed Reg Block Valve, did NOT close from the Control Room, THEN **CLOSE**: …..	Operator determines that this step is not applicable (given in Supplement 18, Section 1.1.d. as closed).	**S U**
Comment:			

Proc. Step	TASK ELEMENT 7	STANDARD	Grade
n/a	EOP Supplement 18: Signed Completed by: and Dated/Timed	Competed By: _____ Date/Time _____/_____	**S U**
Comment:			

Proc. Step	TASK ELEMENT 8	STANDARD	Grade
n/a	The CRS notified that EOP Supplement 18 has been completed.	CRS notified Supplement 18 completed satisfactorily.	**S U**
Comment:			

END OF TASK

CANDIDATE CUE SHEET

(TO BE RETURNED TO EXAMINER TO UPON COMPLETION OF TASK)

INITIAL CONDITIONS:

- The Plant has been tripped from 100% power.
- EOP-6 has been entered due to a steam leak on the “B” S/G.
- The control room has completed EOP Supplement 18 “B” S/G Isolation Checklist Section 1.0, Isolation from the Control Room.
- All steps of Section 1.0 have been completed with the exception of CV-0501, ‘B’ S/G MSIV which did not close.

INITIATING CUES:

- The CRS directs you to perform EOP Supplement 18 “B” S/G Isolation Checklist Section 2.0, Isolation Outside the Control Room.
- MSIV isolation is to be performed at C-181, MSIV Solenoid Valve Panel ('D' Bus Cableway)
- ASDV isolation is to be by the “preferred method” (manual isolation valve closure).