

PSEG Nuclear LLC

Job Performance Measure

Activate ERDS IAW EP-SA-325-F8

JPM Number: 21-01 NRC RO-A4

Revision Number: 04

Date: 1/10/23

Developed By: R. Chan **Date:** 1/10/23
Instructor

Validated By: E. Gallagher **Date:** 1/10/23
SME or Instructor

Reviewed By: M. Winkelspecht **Date:** 1/19/23
Operations Representative

Approved By: M. Wadusky **Date:** 1/19/23
Training Department (Print/Sign)

REVISION RECORD (Summary)

Revision Number	Date	Reason
03	11/28/22	Used bank JPM. Converted to new JPM template and updated procedure references. Plant computer modifications are in progress in the simulator. EP performed validation of the procedure that activates ERDS and procedure has no issues, however, the ERDS system was not connecting to the NRC. EP is working the issue and expect resolution prior to the next EP drill in December 2022.
04	1/10/23	Incorporated NRC comments from Prep Week. Added possible cues to steps 1.2.b.5 and 1.2.b.6 in the event ERDS connectivity to NRC Operations Center cannot be established.

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE

All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 11 below.

- | | | | |
|----|--------------|---|------------------------|
| RC | | 1. Task description and number, JPM description and number are identified. | |
| RC | | 2. Knowledge and Abilities (K/A) references are included. | |
| RC | | 3. Performance location specified. (in-plant, control room, or simulator) | |
| RC | | 4. Initial setup conditions are identified. | |
| RC | | 5. Initiating and terminating cues are properly identified. | |
| RC | | 6. Task standards identified and verified by SME review. | |
| RC | | 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*) | |
| RC | | 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure: | |
| | Procedure(s) | EP-SA-325-F8 R2 | Date Checked: 10/14/22 |
| RC | | 9. Pilot test the JPM: | |
| | a. | Verify cues both verbal and visual are free of conflict, and | |
| | b. | Ensure performance time is accurate. | |
| NA | | 10. If the JPM cannot be performed as written with proper responses, then revise the JPM. | |
| NA | | 11. When JPM is revalidated, SME or instructor sign and date JPM cover page | |

R. Chan	11/28/22
SME/Instructor	Date

SME/Instructor	Date
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SME/Instructor	Date
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SIMULATOR SETUP INSTUCTIONS

1. See below for special instructions for notifying the NRC Operations Center

SPECIAL INSTRUCTIONS

1. Copies of EP-SA-325 for each applicant.
2. **PRIOR** to conducting this JPM; **CONTACT** the **NRC ERDS Test monitor** and **NOTIFY** ERDS being used for Training. (Day time: 301-287-9386, Night time: [REDACTED], Day time cell: [REDACTED], Erds.resource@nrc.gov)
3. **OPEN** the ERDS program using the SPDS computer terminal in the back computer room. Single click the ERDS program using the mouse and ensure the dialogue box opens. This will now enable the computer in the simulator to connect ERDS to NRC using EP-SA-325-F8.
4. **Log onto the ERDS computer in simulator.**
5. **ENSURE** the "ERDS XXX" computer is available and working.

When all operators have completed this JPM, THEN:

Simulator Operator:

- **NOTIFY** NRC ERDS Test monitor of that Training evolution has ended.
- **CLOSE** the ERDS dialogue box on the SPDS computer in back computer room.

INITIAL CONDITIONS

- Salem Unit 2 experienced a reactor trip and safety injection due to a LOCA
- An **ALERT** has been declared

INITIATING CUE

- You are the Secondary Communicator.
- ACTIVATE ERDS IAW Step 1.2.b of EP-SA-325-F8, Secondary Communicator Log.
- Notify the Shift Manager (Lead Examiner) when ERDS is activated.

TASK STANDARD:

The task is satisfactorily met when the applicant successfully activates ERDS by completing step 1.2.b of EP-SA-325-F8.

Information for Evaluators Use:

UNSAT requires written comments on the respective step.

(*) Denotes critical steps

If Time Critical, estimated time is the Time Critical time.

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 time clock starts when the candidate acknowledges the initiating cue.

ANSWER KEY (optional):

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RECORD JPM Start Time: _____

STEP	CRITICAL	ELEMENT	STANDARD	GRADE (S/U)
N/A		<p>Simulator Operator:</p> <ul style="list-style-type: none"> • NOTIFY NRC ERDS Test monitor of pending Training evolution. • OPEN ERDS program on SPDS computer. <p>LOG ON to ERDS computer.</p>		N/A

Cue:

Examiners Note:

Comments:

1.2.b		<p>Within 60 minutes, ACTIVATE ERDS from a LAN computer:</p>	<p>Operator proceeds to ERDS XXX computer located inside Salem Simulator horseshoe area.</p>	
1.2.b.1	*	<p>PROCEED to a computer with its monitor labeled "ERDS XXX" (XXX is the computer's asset tag number) in the Salem Control Room and START the program by SELECTING the ERDS Salem desktop icon.</p>	<p>Operator selects the ERDS_ Salem desktop icon.</p>	

Cue:

Examiners Note:

Comments:

1.2.b.2	*	<p>On the "Login For ERDS Display" popup window ENTER the PASSWORD (Password is the same as the Username) and SELECT "Login" to proceed.</p>	<p>Operator enters the PASSWORD and selects "Login" to proceed.</p>	
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Cue: N/A

Examiners Note: N/A

Comments:

STEP	CRITICAL	ELEMENT	STANDARD	GRADE (S/U)
1.2.b.3	*	SELECT the Action button labeled <CONNECT> on the appropriate Salem 1 or Salem 2 "ERDS Link Control and Status Display Screen".	Operator selects the button labeled <CONNECT> for Salem 2 "ERDS Link Control and Status Display Screen".	
<p>Cue: N/A</p> <p>Examiners Note: N/A</p> <p><u>Comments:</u></p>				
1.2.b.4	*	SELECT the <YES> button in the "Current Link Control State is Disconnect. Do You Want To Connect?" box.	Operator selects <YES> button in the "Current Link Control State is Disconnect. Do You Want To Connect?" box.	
<p>Cue: N/A</p> <p>Examiners Note: N/A</p> <p><u>Comments:</u></p>				
1.2.b.5	*	OBSERVE that Status changes to "Transmitting Data."	Operator checks that the Status changes to "Transmitting Data"	
<p>Cue: IF REQUIRED, then state the following, "The status has changed to Transmitting Data"</p> <p>Examiners Note: N/A</p> <p><u>Comments:</u></p>				
1.2.b.6	*	VERIFY successful communications status by observing that the "Messages Sent" value is increasing from zero "0" to some positive integer > "0".	Operator verifies that the "Message Sent" value is increasing from zero "0" to some positive integer > "0".	
<p>Cue: IF REQUIRED, then state the following, "The Message Sent value is increasing greater than 0"</p> <p>Examiners Note: N/A</p> <p><u>Comments:</u></p>				

STEP	CRITICAL	ELEMENT	STANDARD	GRADE (S/U)
1.2.b.7		INFORM the CRS of successful ERDS activation status <u>OR</u> IF ERDS activation is not successful, THEN CONTACT IT Support: Network Operations (Ext. #7008), EOF IT Supervisor (NETS # 5009), or the IT Help Desk (Ext. 5555) for assistance.	Notifies CRS that ERDS is activated.	
Cue: N/A Examiners Note: N/A <u>Comments:</u>				
Terminating Cue	JPM COMPLETE when the applicant completes the task.	Terminate JPM when operator notifies you that ERDS is activated.	N/A	

RECORD JPM Stop Time: _____

Operator's Name: _____ **Job Title:** RO SRO _____

Facility: Salem **JPM No.:** 21-01 NRC RO-A4 **Revision No.:** 04

Task Title: Activate ERDS per EP-SA-325-F8

Task No.: N1240110501 **Source:**

System: Emergency Procedures/Plan **Bank** **New** _____ **Mod** _____

K/A Number / Description: G2.4.43 Knowledge of emergency communications systems and techniques

K/A Rating RO 3.2 SRO 3.8

Task Applicability: SRO Only _____ RO/SRO AO/RO/SRO _____ Other _____

Time-Critical: Yes _____ No **Alternate Path:** Yes _____ No

Estimated Time to Complete: 10 Minutes

Actual Time Used: _____ Minutes

Method of Testing: Simulated Performance _____ Actual Performance

Location: Classroom _____ Simulator In-Plant _____ RCA _____

Required Materials: EP-SA-325-F8

Reference(s): EP-SA-325-F8

EVALUATION SUMMARY:

Were all the Critical Elements (steps) 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: _____

Evaluator's Signature: _____ **Date:** _____

STUDENT HANDOUT/WORKSHEET

Operator's Name: _____

INITIAL CONDITIONS

- Salem Unit 2 experienced a reactor trip and safety injection due to a LOCA
- An **ALERT** has been declared

INITIATING CUE

- You are the Secondary Communicator.
- ACTIVATE ERDS IAW Step 1.2.b of EP-SA-325-F8, Secondary Communicator Log.
- Notify the Shift Manager (Lead Examiner) when ERDS is activated.

**ATTACHMENT 8
SECONDARY COMMUNICATOR LOG**

**EP-SA-325-F8
ATT 8
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INITIALS**

1.2 For an Alert or higher Emergency Classification Level:

- a. IF an on-shift SRO is not available to fill the OSC Operations Supervisor position, **CALLOUT** an additional SRO and have him/her report to the OSC.

Name: _____ Time: _____

N/A

CM2

NOTE

OS Activation and Termination is normally performed by the CM2 in the Control Room but if needed, could be performed by any communicator in the TSC or EOF by following the same directions below and substituting TSC or EOF for Control Room

CM2

CM2

- b. Within 60 minutes, **ACTIVATE** ERDS from a **LAN computer**:

1. **PROCEED** to a computer with its monitor labeled "**ERDS XXX**" (XXX is the computer's asset tag number) in the Salem Control Room and **START** the program by **SELECTING** the **ERDS_Salem** desktop icon.

CM2

2. On the "Login For ERDS Display" popup window **ENTER** the **PASSWORD** (Password is the same as the Username) and **SELECT** "Login" to proceed.

CM2

3. **SELECT** the Action button labeled **<CONNECT>** on the appropriate **Salem 1 or Salem 2** "ERDS Link Control and Status Display Screen".

CM2

4. **SELECT** the **<YES>** button in the "Current Link Control State is Disconnect. Do You Want To Connect?" box.

CM2

5. **OBSERVE** that Status changes to "Transmitting Data."

CM2

6. **VERIFY** successful communications status by observing that the "Messages Sent" value is increasing from zero "0" to some positive integer > "0".

CM2

7. **INFORM** the CRS of successful ERDS activation status

CM2

OR

IF ERDS activation is not successful, THEN CONTACT IT Support: Network Operations (Ext. #7008), EOF IT Supervisor (NETS # 5009), or the IT Help Desk (Ext. 5555) for assistance.

CM2