

OPERATOR TRAINING PROGRAM  
JOB PERFORMANCE MEASURE

<b>STATION:</b>	SALEM		
<b>SYSTEM:</b>	Emergency Plan - Administrative		
<b>TASK:</b>	Activate ERDS During an ALERT IAW EP-SA-325-F8		
<b>TASK NUMBER:</b>	N1240110501		
<b>JPM NUMBER:</b>	19-01 NRC RO-A4		
<b>ALTERNATE PATH:</b>	<input type="checkbox"/>	<b>K/A NUMBER:</b>	G 2.4.43
<b>APPLICABILITY:</b>	<b>IMPORTANCE FACTOR:</b>		3.2
EO <input type="checkbox"/>	RO <input checked="" type="checkbox"/>	STA <input type="checkbox"/>	SRO <input type="checkbox"/>
<b>EVALUATION SETTING/METHOD:</b>	Simulator / Perform		
<b>REFERENCES:</b>	EP-SA-325-F8, Rev 0 (checked 8-5-19)		
<b>TOOLS AND EQUIPMENT:</b>	"ERDS XXX" LAN Computer in Simulator		
<b>VALIDATED JPM COMPLETION TIME:</b>	5 min		
<b>TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS:</b>	N/A		
<b>Developed By:</b>	R. Chan Instructor	<b>Date:</b> 8-5-19	
<b>Validated By:</b>	Kovalcsik SME or Instructor	<b>Date:</b> 6-17-20	
<b>Approved By:</b>	N/A Training Department	<b>Date:</b>	
<b>Approved By:</b>	N/A Operations Department	<b>Date:</b>	
<b>ACTUAL JPM COMPLETION TIME:</b>			
<b>ACTUAL TIME CRITICAL COMPLETION TIME:</b>			
<b>PERFORMED BY:</b>			
<b>GRADE:</b>	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
<b>REASON, IF UNSATISFACTORY:</b>			
<b>EVALUATOR'S SIGNATURE:</b>			<b>DATE:</b>

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**JPM NUMBER: 19-01 NRC RO-A4**

<b>Rev #</b>	<b>Date</b>	<b>Description</b>	<b>Validation Required</b>
00	10-11-17	New JPM. Added revision history and simulator setup pages. Editorial comments from IP 71111.11 FASA.	Yes
01	8-5-19	Editorial change to new procedure EP-AA-325-F8 now active due to Rev 6 changes to EALs.	Yes

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**SIMULATOR SETUP INSTRUCTIONS**

**SYSTEM:** Emergency Plan - Administrative  
**TASK:** Activate ERDS During an ALERT IAW EP-SA-325-F8  
**TASK NUMBER:** N1240110501  
**SIMULATOR IC:** N/A  
**MALFUNCTIONS / REMOTES:** N/A

**OVERRIDES:** N/A

**SPECIAL INSTRUCTIONS:**

- **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: 240-888-2326, Day time cell: 301-731-2581, alternate number 301-873-6322, Erds.resource@nrc.gov)
- **OPEN** the ERDS program using the SPDS computer terminal in the back computer room. Single click the ERDS program using the mouse, this will now enable the computer in the simulator to connect ERDS to NRC using EP-SA-325-F8.
- Log onto the ERDS computer in simulator.
- **ENSURE** the "ERDS XXX" computer is available and working.

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**NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**SYSTEM:** Emergency Plan - Administrative

**TASK:** Activate ERDS During an ALERT IAW EP-SA-325-F8

**TASK NUMBER:** N1240110501

**INITIAL CONDITIONS:**

- Salem Unit 2 was manually tripped from 100% power due to an RCS leak.
- Safety Injection was manually initiated and all ECCS pumps are running
- The Shift Manager has declared an **ALERT**.

**INITIATING CUE:**

- You are the Work Control NCO and designated Secondary Communicator.
- **ACTIVATE** ERDS IAW Step 1.2.b of EP-SA-325-F8, Secondary Communicator Log.
- Notify the Shift Manager when ERDS is activated.

Successful Completion Criteria:

1. All critical steps completed.
2. All sequential steps completed in order.
3. All time-critical steps completed within allotted time.
4. JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.

**Task Standard for Successful Completion:**

1. **Activates ERDS by correctly performing steps 1.2.b.1 thru 1.2.b.6 IAW EP-SA-325-F8.**

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**NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**System:** Emergency Plan - Administrative

**Task:** Activate ERDS During an ALERT IAW EP-SA-325-F8

* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	CUE:	<u><b>Simulator Operator:</b></u> <ul style="list-style-type: none"> <li>• <b>NOTIFY NRC ERDS Test monitor</b> of pending Training evolution.</li> <li>• <b>OPEN</b> ERDS program on SPDS computer.</li> <li>• <b>LOG ON</b> to ERDS computer.</li> </ul>			
	CUE	Fill in the JPM Start Time when the student acknowledges the Initiating Cue.  <b>START TIME:</b> _____			
	1.2.b	Within 60 minute, <b>ACTIVATE</b> ERDS from a <b>LAN computer</b>			
*	1.2.b.1	<b>PROCEED</b> to a computer with its monitor labeled " <b>ERDS XXX</b> " (XXX is the computer's asset tag number) in the Salem Control Room and <b>START</b> the program by <b>SELECTING</b> the <b>ERDS_Salem</b> desktop icon.	<b>Operator proceeds to ERDS XXX computer located inside Salem Simulator horseshoe area.</b>  <b>Operator selects the ERDS_ Salem desktop icon.</b>		

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**NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**System:** Emergency Plan - Administrative

**Task:** Activate ERDS During an ALERT IAW EP-SA-325-F8

<b>* #</b>	<b>STEP NO.</b>	<b>STEP</b> <b>(Shaded area denotes Critical Step)</b> <b>(* Critical Step)</b> <b>(# Sequential Critical Step)</b>	<b>STANDARD</b> <b>(Bolded area identifies Task Standard)</b>	<b>EVAL S/U</b>	<b>COMMENTS</b> <b>(Required for UNSAT evaluation)</b>
*	1.2.b.2	On the "Login For ERDS Display" popup window <b>ENTER</b> the <b>PASSWORD</b> (Password is the same as the Username) and <b>SELECT</b> "Login" to proceed.	<b>Operator enters the PASSWORD and selects "Login" to proceed.</b>		
*	1.2.b.3	<b>SELECT</b> the Action button labeled <b>&lt;CONNECT&gt;</b> on the appropriate <b>Salem 1 or Salem 2</b> "ERDS Link Control and Status Display Screen".	<b>Operator selects the button labeled &lt;CONNECT&gt; for Salem 2 "ERDS Link Control and Status Display Screen".</b>		
*	1.2.b.4	<b>SELECT</b> the <b>&lt;YES&gt;</b> button in the "Current Link Control State is Disconnect. Do You Want To Connect?" box.	<b>Operator selects &lt;YES&gt; button in the "Current Link Control State is Disconnect. Do You Want To Connect?" box.</b>		
*	1.2.b.5	<b>OBSERVE</b> that Status changes to "Transmitting Data."	<b>Operator checks that the Status changes to "Transmitting Data"</b>		
*	1.2.b.6	<b>VERIFY</b> successful communications status by observing that the "Messages Sent" value is increasing from zero "0" to some positive integer > "0".	<b>Operator verifies that the "Message Sent" value is increasing from zero "0" to some positive integer &gt; "0".</b>		

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**NAME:** \_\_\_\_\_  
**DATE:** \_\_\_\_\_

**System:** Emergency Plan - Administrative

**Task:** Activate ERDS During an ALERT IAW EP-SA-325-F8

* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	1.2.b.7	<b>INFORM</b> the CRS of successful ERDS activation status  <u>OR</u>  IF ERDS activation is not successful, THEN <b>CONTACT</b> IT Support: Network Operations (Ext. #7008), EOF IT Supervisor (NETS # 5009), or the IT Help Desk (Ext. 5555) for assistance.	<b>Terminate JPM when CRS/SM is notified ERDS is activated.</b>		
	CUE:	<b>JPM is Complete.</b>  <b>RECORD</b> the STOP TIME.  <b>STOP TIME:</b> _____	<b>Terminate JPM when operator notifies you that ERDS is activated.</b>		

**OPERATOR TRAINING PROGRAM  
JOB PERFORMANCE MEASURE**

**NAME:** \_\_\_\_\_  
**DATE:** \_\_\_\_\_

**System:** Emergency Plan - Administrative

**Task:** Activate ERDS During an ALERT IAW EP-SA-325-F8

* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		<p>When all operators have completed this JPM, THEN:</p> <p><u>Simulator Operator:</u></p> <ul style="list-style-type: none"> <li>• <b>NOTIFY NRC ERDS Test monitor</b> of that Training evolution has ended.</li> <li>• <b>CLOSE</b> the ERDS program on the SPDS computer in back computer room.</li> </ul>	N/A		

OPERATOR TRAINING PROGRAM  
JOB PERFORMANCE MEASURE

JPM #: 19-01 NRC RO-A4

**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 Rev.   0   Date   8-5-19
- RC        9. Pilot test the JPM:  
      a. verify Cues both verbal and visual are free of conflict, and  
      b. ensure performance time is accurate.
- N/A       10. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- N/A       11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

SME/Instructor:        R. Chan        Date: 8-5-19

SME/Instructor:        D. Kovalcsik        Date: 6-17-20

SME/Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

### **INITIAL CONDITIONS:**

- Salem Unit 2 was manually tripped from 100% power due to an RCS leak.
- Safety Injection was manually initiated and all ECCS pumps are running
- The Shift Manager has declared an **ALERT**.

### **INITIATING CUE:**

- You are the Work Control NCO and designated Secondary Communicator.
- **ACTIVATE** ERDS IAW Step 1.2.b of EP-SA-111-F8, Secondary Communicator Log.
- Notify the Shift Manager 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: \_\_\_\_\_

NA  
CM2

**NOTE**

ERDS 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

SGS

Rev. 00