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NUCLEAR BUSINESS UNIT
EMERGENCY PLAN IMPLEMENTING PROCEDURES
August 30, 2001
CHANGE PAGES FOR
REVISION #90

PSE&G
CONTROL
COPY # EPIP059

The Table of Contents forms a general guide to the current revision of each section of the Administrative EPIPs. The changes that are made in this TOC Revision #90 are shown below. Please check that your revision packet is complete and remove the outdated material listed below:

ADD			REMOVE		
Page	Description	Rev.	Page	Description	Rev.
All	TOC	90	All	TOC	89
All	EPIP 1008	19	All	EPIP 1008	18

PSEG NUCLEAR LLC
 EMERGENCY PLAN ADMINISTRATIVE PROCEDURES
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 August 30, 2001

CONTROL
 COPY # EPIPO59

EMERGENCY PREPAREDNESS ADMINISTRATIVE PROCEDURES

PLAN, EPIP, ECG ADMINISTRATION:	<u>Revision Number</u>	<u>Number Pages</u>	<u>Effective Date</u>
EPIP 1001 Revision and Development of PLAN/EPIPs/ECG.....	2	12	02/02/96
EPIP 1002 Distribution of PLANS/EPIPs/ECG...	2	4	05/01/98
EPIP 1003 Review and Approval of PLAN/EPIPs/ECG.....	11	12	05/10/96
EPIP 1004 Format of PLAN/EPIPs/ECG.....	4	12	02/02/96
EPIP 1005 Emergency Preparedness Deficiency/Revision Tracking.....	4	3	05/01/98
 FACILITIES AND EQUIPMENT:			
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NC.EP-AP.ZZ-1006 Emergency Equipment Inventory (Radiation Protection)..	0	64	05/12/00
EPIP 1007 EOF/ENC Supply & Locker Inventory.....	17	12	04/25/97
EPIP 1008 Emergency Communications Drills.....	19	33	08/30/01
EPIP 1009 Emergency Response Callout Test Procedure.....	11	5	02/27/98
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EPIP 1012 Preparation, Conduct, and Evaluation of Emergency Preparedness Annual Exercises.....	6	27	12/18/98
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NC.EP-AP.ZZ-1015 PC Dose Assessment Software Control	0	6	06/12/00
 EMERGENCY SUPPORT EQUIPMENT:			
EPIP 1016 Test Procedures for EOF Backup Generator, Vent System and HVAC Filter Replacement.....	7	46	06/12/00

PSEG NUCLEAR LLC

EPIP 1008 - REV. 19

EMERGENCY COMMUNICATIONS DRILL

Printed
CONTROL
COPY # EPIPO59

SPONSOR ORGANIZATION: Emergency Preparedness

REVISION SUMMARY:

1. Revised Attachment 3 to include NRC Regional Office, and revised Kent County secondary number.
2. Changed reference to FTS 2000 to FTS 2001.

IMPLEMENTATION REQUIREMENTS:

Effective Date: 8-30-01

APPROVED: (See last page for signatures)

PSEG NUCLEAR EMERGENCY PLAN
ADMINISTRATIVE PROCEDURE

**EMERGENCY COMMUNICATIONS DRILL
EPIP 1008**

1. Action Level

Communications drills required to be conducted by an Emergency Preparedness Group Work Activity Surveillance.

2. Individuals Who Will Implement This Procedure:

Emergency Preparedness Staff Member
Operations Superintendent (OS)/Designee - SGS (Att. 10)
Operations Superintendent (OS)/Designee - HCGS (Att. 11)

3. Action Statements

THE EMERGENCY PREPAREDNESS GROUP STAFF MEMBER SHALL:

- 3.1 Upon implementation of this procedure, record the date and Work Surveillance number.
Date: _____ Work Surv. Number: _____
- 3.2 Refer to Table 1 and select the appropriate attachment for the requested communications test.
- 3.3 Review all test results ensuring all problems or deficiencies are corrected and/or reported to the Nuclear Help Desk at (856) 339-5555.

4. References

1. PSEG Nuclear Emergency Plan, Section 15, Exercises and Drills.

5. Attachments

1. Communications Drill Checklist Federal, New Jersey and Delaware State, county and local governments - all Emergency Response Facilities.
2. NRC/FTS 2001 Communications Test
3. EPM group tests, Federal and State.
4. Telecopier tests, CR, TSC, EOF.
- 4a. Telecopy Test Form.
5. Full fan out New Jersey and Delaware.
- 5a. Full fan out Telecopy Form.
6. PSEG Nuclear Facilities and Communications Response Team.
7. Emergency News Center (ENC) Communications Drill
- 8a. Emergency Response Data System (ERDS) Test - Salem Unit 1
- 8b. Emergency Response Data System (ERDS) Test - Salem Unit 2
9. Emergency Response Data System (ERDS) Test - Hope Creek

6. Signature Page

**TABLE 1
COMMUNICATIONS DRILLS**

	<u>DRILL TITLE</u>	<u>FREQUENCY</u>	<u>ATTACHMENT</u>
1.	Salem/Hope Creek OS, TSC, EOF initiated drills to federal, state, county and local governments.	Monthly	1
2.	NRC/FTS 2001 Communications Test	Monthly	2
3.	EPM initiated line tests other federal and state agencies	Monthly	3
4.	Telecopier tests - CR, TSC, EOF and other federal and state agencies	Monthly	4
5.	Full fan out notification	Annually	5
6.	PSEG Nuclear facilities	Annually	6
7.	Emergency News Center (ENC)	Annually	7
8.	Emergency Response Data System (ERDS) Test with NRC - Salem Unit 1	Quarterly	8a
9.	Emergency Response Data System (ERDS) Test with NRC - Salem Unit 2	Quarterly	8b
10.	Emergency Response Data System (ERDS) Test with NRC - Hope Creek	Quarterly	9

**ATTACHMENT 1
COMMUNICATIONS DRILL CHECKLIST
FEDERAL, NEW JERSEY & DELAWARE STATE, COUNTY & LOCAL GOVERNMENTS
COMMUNICATION CHECKLIST - ALL EMERGENCY RESPONSE FACILITIES**

1. The Emergency Preparedness Representative shall:

Initiate a test call monthly for each of the following locations.
Repeat the following message:

"THIS IS A TELEPHONE TEST. THIS IS _____ FROM SALEM AND HOPE CREEK GENERATING STATIONS CONDUCTING A MONTHLY TELEPHONE COMMUNICATIONS TEST.

HOW DO YOU HEAR ME? (PAUSE FOR RESPONSE) I HEAR YOU LOUD AND CLEAR (OR THE QUALITY OF TRANSMISSION).

THIS COMPLETES THE COMMUNICATIONS TEST. THANK YOU FOR YOUR COOPERATION."

2. Notify the following agencies from NETS lines in the locations indicated using the test message above.

Primary Lines	NETS Number	SAT/ UNSAT	Date/Time	Location From:
Del. State Police	5406			SALEM OPS SUPERINTENDENT OFFICE
NJSP Comm. Sgt.	5400			
Del. DEMA	5407			SALEM TECHNICAL SUPPORT CENTER (TSC)
Salem County EOC	5402			
Cumberland Cnty. EOC	5403			HOPE CREEK OPS SUPERINTENDENT OFFICE
New Castle County EOC	5408			
Kent County EOC	5409			HOPE CREEK TECH SUPPORT CENTER (TSC)
Lower Alloways Creek	5404			
Del. State Police	5406			COMMON EMERGENCY OPERATIONS FACILITY (EOF)
NJSP Comm. Sgt.	5400			

If all circuits are satisfactory, proceed to step 3 below. If any of the circuits are found to be unsatisfactory, request repair of circuit by calling the Nuclear Help Desk at (856) 339-5555.

**ATTACHMENT 2
NRC/FTS 2001 COMMUNICATIONS DRILL CHECKLIST**

1. The Emergency Preparedness Representative shall:

Notify the NRC from the direct lines in the locations indicated below using the following message:

"THIS IS A TELEPHONE TEST. THIS IS _____ FROM SALEM AND HOPE CREEK GENERATING STATIONS CONDUCTING A MONTHLY TELEPHONE COMMUNICATIONS TEST. HOW DO YOU HEAR ME? (PAUSE) I HEAR YOU LOUD AND CLEAR. PLEASE CALL BACK TO VERIFY THIS INSTRUMENT IS WORKING. THIS COMPLETES THE COMMUNICATIONS TEST. THANK YOU FOR YOUR COOPERATION."

2. Test the FTS 2001 lines by placing a call from the following locations using the test message above.

FTS 2001 LINES	FTS NUMBER	SAT/UNSAT	DATE/TIME	LOCATION FROM:
SALEM ENS	700-361-3864			U/I CONTROL ROOM
SALEM ENS	700-361-3864			U/II CONTROL ROOM
SALEM ENS	700-361-3864			SALEM OS OFFICE
SALEM ENS	700-361-3864			SALEM TSC CM1
SALEM ENS	700-361-3864			SALEM TSC CM2
SALEM HPN	700-361-3859			SALEM TSC RAC
SALEM HPN	700-361-3859			SALEM TSC RP STAFF
SALEM RSCL	700-361-3862			SALEM TSC TSTL
SALEM PMCL	700-361-3858			SALEM TSC CHEM

FTS 2001 LINES	FTS NUMBER	SAT/UNSAT	DATE/TIME	LOCATION FROM:
HC ENS	700-361-7139			HC CONTROL ROOM
HC ENS	700-361-7139			HC OS OFFICE
HC ENS	700-361-7139			HC TSC CM1
HC ENS	700-361-7139			HC TSC CM2
HC HPN	700-361-7135			HC TSC RAC
HC HPN	700-361-7135			HC TSC RP STAFF
HC RSCL	700-361-7136			HC TSC OPS/ENG
HC PMCL	700-361-7137			HC TSC CHEM

ATTACHMENT 2 (cont'd)

FTS 2001 LINES	FTS NUMBER	SAT/UNSAT	DATE/TIME
EOF ENS	700-361-3874		
EOF ENS	700-361-3874		
EOF HPN	700-361-3871		
EOF HPN	700-361-3871		
EOF RSCL	700-361-3873		
EOF PMCL	700-361-3876		
EOF MCL	700-361-3872		
EOF LAN	700-361-3875		

3. If any of the FTS 2001 lines are found to be unsatisfactory, call the NRC Duty Officer on one of the following back-up lines to complete the test and to notify the NRC of the failure.

- a. 301-816-5100 or b. 301-951-0550

4. Describe any unsatisfactory transmissions/actions taken:

5. Forward all completed forms to Emergency Preparedness, mail code N37.

**ATTACHMENT 3
EMERGENCY PREPAREDNESS GROUP TESTS, FEDERAL AND STATE**

1. The Emergency Preparedness Representative shall initiate a test call monthly for each of the following locations. Repeat the following message:

"THIS IS A TELEPHONE TEST. THIS IS _____ FROM HOPE CREEK AND SALEM GENERATING STATIONS CONDUCTING A TELEPHONE COMMUNICATIONS TEST.

HOW DO YOU HEAR ME? (PAUSE FOR RESPONSE) I HEAR YOU LOUD AND CLEAR (OR THE QUALITY OF TRANSMISSION). THIS COMPLETES THE COMMUNICATIONS TEST. THANK YOU FOR YOUR COOPERATION."

2. Notify the following agencies from the EP office telephones for circuit verification. Repeat the above test message for each agency.

Secondary Lines	Number	SAT/UNSAT	Date/Time	Person Contacted
NJSP Comm. Sgt.	(609) 882-4201			
Del. State Police	(302) 659-2341			
Del. DEMA	(302) 659-3362			
Salem County EOC	(856) 769-2959			
Cumberland County EOC	(856) 455-8770			
New Castle County EOC	(302) 738-3131			
Kent County EOC	(302) 678-9111			
Lower Alloways Creek	(856) 935-7300			

Line Name	Circuit Tel. No.	SAT/UNSAT	Date/Time	Person Contacted
NOAA Weather Station	(609) 261-6600			
US Coast Guard Philadelphia, PA	(215) 271-4940			
PA Emergency Management Agency	(717) 651-2001			
MC Civil Defense	(410) 517-3600			
D.O.E. Brookhaven	(631) 344-2200			
NRC Backup to ENS (Commercial Line)*	301-816-5100 <u>or</u> 301-951-0550			
NRC Regional Office (* Note: Line is manned 7:30am to 4:15pm)	610-337-5000 *			

**ATTACHMENT 4
TELECOPY DRILL WORKSHEET
FEDERAL, NEW JERSEY - DELAWARE STATE, COUNTY
AND LOCAL GOVERNMENTS**

1. The Emergency Preparedness Representative shall initiate a monthly telecopier test from Hope Creek and Salem Generating Station's emergency response facilities to each of the following locations.

2. Transmit Telecopy Test Message Form, Attachment 4a, from each facility to the following agencies:

Location From Control Room:	Telephone Number	HOPE CREEK SAT/UNSAT Date/Time	SALEM SAT/UNSAT Date/Time
NJSP	5413		
DEMA	5419		
BNE	5411		
EOF	5035		
HC – TSC	5216		
SGS – TSC	5114		

Location From TSC:	Telephone Number	HOPE CREEK SAT/UNSAT Date/Time	SALEM SAT/UNSAT Date/Time
NJSP	5413		
DEMA	5419		
BNE	5411		
EOF	5035		

ATTACHMENT 4 (cont)

Location From EOF:	Telephone Number	SAT/UNSAT	Date/Time
NJSP	5413		
DEMA	5419		
BNE	5411		
HC – TSC	5216		
SGS – TSC	5114		

3. Any unsatisfactory transmissions should be retested using the test message from step 2 above.

If service/repair of a telecopier is required, call the Nuclear Help Desk at (856) 339-5555.

4. Describe any unsatisfactory transmission/corrective actions taken:

5. Forward all completed forms to Emergency Preparedness, Mail Code N37.

Completed by: _____ Date:

ATTACHMENT 4a
TELECOPY TEST MESSAGE FORM

THIS IS A TEST. THIS IS A TELECOPIER TRANSMISSION TEST FROM HOPE CREEK AND SALEM GENERATING STATIONS EMERGENCY RESPONSE FACILITIES. NO FURTHER ACTION IS REQUIRED.

FROM: TIME: DATE:

HOPE CREEK
CONTROL ROOM _____

HOPE CREEK - TSC _____

SALEM
CONTROL ROOM _____

SALEM - TSC _____

HOPE CREEK/SALEM
- EOF - _____

TEST

**ATTACHMENT 5
COMMUNICATIONS DRILL CHECKLIST
FULL FAN OUT - NEW JERSEY & DELAWARE**

1. The Emergency Preparedness Representative will contact both states at least one week prior to the annual graded exercise to conduct a drill of the Full Fan Out Communications Network. This drill will provide a final communications check prior to the exercise.
2. Contact the New Jersey State Police Communications Sergeant on the NETS line from Hope Creek/Salem Generating Station Control Room and/or telephone (609) 882-4201 and the Delaware State Police on the NETS line or telephone (302) 739-5851 to alert them to receive a telecopy message.
3. Transmit Full Fan Out Telecopy Form Attachment 5a, using "Group A" Button on the telecopier.
4. After the message has been transmitted, verify receipt with follow up telephone calls and complete the following:

New Jersey State Police

(name of recipient)

Drill Coordinator

Date/Time

Copy Quality	
Sat	Unsat
_____	_____

Delaware State Police

(name of recipient)

Drill Coordinator

Date/Time

Copy Quality	
Sat	Unsat
_____	_____

5. Describe any discrepancies/corrective actions taken:

6. Return this form when completed to Emergency Preparedness,

Mail Code N37.

ATTACHMENT 5a

FULL FAN OUT TELECOPY FORM

THIS IS A TEST MESSAGE FORM PROVIDED FOR TELECOPY USE

"THIS IS A TEST. THIS IS THE COMMUNICATOR AT _____
(SPECIFY STATION)

PLEASE INITIATE A FULL FAN OUT COMMUNICATIONS TEST OF YOUR AGENCIES.
WHEN FULLY ACTIVATED THIS TEST SHALL BE CONSIDERED COMPLETE. THANK
YOU FOR YOUR COOPERATION. THIS IS A TEST."

_____/_____
DATE TIME NAME

ATTACHMENT 6
PSEG NUCLEAR EMERGENCY PLAN
COMMUNICATIONS DRILL CHECKLIST
PSEG NUCLEAR FACILITIES & COMMUNICATIONS: RESPONSE TEAMS

1. The Emergency Preparedness Representative will ensure testing is performed within PSEG Nuclear facilities using the Nuclear Emergency Telecommunications System (NETS).
2. EP Representative will contact the Operations Superintendent (OS) to prearrange testing for an acceptable time/date. The EP Representative shall initiate phone calls/call back from the Control Room and OSC to each facility listed below, when manned.

Repeat the following message:

"THIS IS A COMMUNICATIONS TEST. THIS IS _____, HOW DO YOU HEAR ME? (PAUSE FOR RESPONSE) I HEAR YOU LOUD AND CLEAR (OR THE QUALITY OF VOICE TRANSMISSION)." The same communications test should then be performed with the callee initiating the call, followed by, "THIS COMPLETES THE COMMUNICATIONS TEST."

FROM/TO	NETS #	SAT	UNSAT	CALLER	TIME	DATE
HC OS < ___ > HC TSC	5224/5200					
HC CR < ___ > HC TSC	5221/5201					
HC CR < ___ > HC OSC	5221/5226					
HC CR < ___ > EOF	5221/5012					
HC OSC < ___ > HC TSC	5226/5202					
HC OSC < ___ > HC CP	5226/5230					
HC TSC < ___ > EOF (RSM)	5202/5001					
HC TSC < ___ > EOF (SSM)	5200/5012					
HC TSC < ___ > EOF (TSM)	5201/5007					
SGS TSC < ___ > EOF (RSM)	5102/5001					
SGS TSC < ___ > EOF (SSM)	5100/5012					
SGS TSC < ___ > EOF (TSM)	5101/5007					
SGS OS < ___ > SGS TSC	5127/5100					
SGS CR1 < ___ > SGS TSC	5120/5100					
SGS CR2 < ___ > SGS TSC	5123/5100					
SGS OSC < ___ > SGS TSC	5128/5100					
SGS OSC < ___ > SGS CP	5128/5132					

3. The remaining NETS telephones shall be tested by calling another NETS telephone close by, verify ringing and quality of voice transmission. Then reverse the process and perform call back.
4. Describe any unsatisfactory condition/corrective actions taken:
5. Forward all completed forms to Emergency Preparedness, Mail Code N37.

**ATTACHMENT 7
EMERGENCY NEWS CENTER COMMUNICATIONS CHECKLIST**

1. Test the ENC NETS and Commercial telephones listed below. Promptly report any failed circuits by calling the PSEG Nuclear Help Desk (856) 339-5555. Return all completed paperwork to EP (N37).

LOCATION	NETS	SAT/UNSAT	COMMERCIAL	SAT/UNSAT
ENC LEADS ROOM	5314 5303 5313 5318 (FAX) 5316	_____ _____ _____ _____	(856) 273-1948 (856) 273-0695	_____ _____
PSEG OPERATIONS ROOM	5300 5301	_____ _____	(856) 273-0062 -0188 -0282 -0386 -0479 -0586 -1961 -2261	_____ _____ _____ _____ _____ _____ _____
MEDIA MONITOR ROOM	5302	_____		_____
NRC/FEMA ROOM	5310 5311 5312 5308	_____ _____ _____	(856) 273-0992 -1049 -1179	_____ _____ _____
NEW JERSEY ROOM	5320 5321 5322 5304	_____ _____ _____	(856) 273-1263 -1395 -4999 FAX -3380 -1690 -7227 -8691 -1883 -9703 -0792	_____ _____ _____ _____ _____ _____ _____ _____
DELAWARE ROOM	5323 5305	_____ _____	(856) 273-1474 -0881 -1593	_____ _____

ATTACHMENT 7 (cont.)

MEDIA/PRESS ROOM			
COMMERCIAL CIRCUIT	SAT/UNSAT	COMMERCIAL CIRCUIT	SAT/UNSAT
(856) 273-2539	_____	(856) 273-2873	_____
(856) 273-2690	_____	(856) 273-3156	_____
(856) 273-2691	_____	(856) 273-3257	_____
(856) 273-2774	_____	(856) 273-3379	_____
(856) 273-2787	_____	(856) 273-0607	_____

(PERFORMED BY)

(DATE COMPLETED)

**ATTACHMENT 8a
EMERGENCY RESPONSE DATA SYSTEM (ERDS)
QUARTERLY TEST WITH NRC - SALEM UNIT 1**

1. Upon receipt of appropriate recurring task, Operations Superintendent (OS)/designee shall direct an Operator to implement this attachment on the date specified.

NOTE

Salem Units 1 and 2 will be tested on **Wednesday** of the **third** full week (during **first** month) of **each quarter**; between 0800 hrs. and 1600 hrs. The first week of a quarter is taken to be the first entire work week (Monday to Friday). Any scheduled test days that fall on Federal holidays will be rescheduled to Friday of the same week.

The Operator implementing this attachment shall:

Initials

- _____ 2. Contact the NRC Test Monitor at 301-415-5015 and
NCO provide the following message:

"This is _____ at Salem Generating Station.
(your name)

I will be activating the Salem Unit 1 ERDS for the quarterly test. Are you ready for the test to commence?"

If **READY**, request the NRC Test Monitor to contact you at the end of the test. (Provide a callback number; e.g., Unit 1: 856-339-5201).

If **NOT READY**, establish a call back time to perform the test:

_____ (Call Back Time) _____ (Name of NRC Test Monitor)

ATTACHMENT 8a (CONT.)

NCO h. Record the following information for Unit 1 test:

Test date: _____ Test start time:

NCO h. After NRC concurrence is obtained, begin the ERDS test as follows:

h. Proceed to an SPDS terminal in the Unit 1 Control Room and press the **<UNIT MASTER MENU>** key.

h. Press the **<ERDS>** key; the ERDS menu will appear.

h. Verify satisfactory communications status by observing the following indications:

ERDS LINK STATUS	"NOT ACTIVATED"
ERDS COMPUTER STATUS	"OKAY"

h. If communication status is not as required by the previous step, do not continue ERDS activation. Skip to step 7 in this procedure and inform the Digital Systems Group of the discrepancy.

h. Press the **<SHIFT>** and **<1>** keys to select "ACTIVATE ERDS COMMUNICATION".

h. When prompted to confirm, type a **<Y>** and then, press the **<RETURN>** key to execute; "ERDS ACTIVATION ACCEPTED" will display.

h. Observe activation sequence messages on lower half of the screen (next to ERDS LINK STATUS):

DIALING TRANSMITTING DATA

NOTE

During the testing process, the NRC will interrupt the data transmission to test the automatic reconnect feature of the system. No operator action is required.

ATTACHMENT 8a (CONT.)

Initials

- h. Inform CRS of successful ERDS activation status (i.e., ERDS LINK STATUS display would indicate, "TRANSMITTING DATA".)

OR

If ERDS activation is not successful, inform the CRS and then request support from Digital Systems Group per Step 7.

NOTE Refer to ECG RAL 11.7.1.C

- i. SPDS Terminal now can be used as needed. DO NOT terminate ERDS transmission until notified by the NRC that the ERDS test is complete.
- j. When all phases of the test are complete, the NRC will request ERDS Termination; at that time, proceed to Termination section below.

EMERGENCY RESPONSE DATA SYSTEM (ERDS) - TERMINATION

 5.
NCO

When directed by the NRC, terminate Emergency Response Data System (ERDS) transmission as follows:

- a. Return to the SPDS terminal in the Unit 1 Control Room and press the **<UNIT MASTER MENU>** key.
- b. Press the **<ERDS>** key; the ERDS menu will appear.
- c. Press the **<SHIFT>** and **<2>** keys to select "TERMINATE ERDS COMMUNICATION".
- d. When prompted to confirm, type a **<Y>** and then, press the **<RETURN>** key to execute; "ERDS TERMINATION ACCEPTED" will display.
- e. Observe deactivation sequence messages on the lower half of the screen under ERDS LINK STATUS:

ATTACHMENT 8a (cont.)

**TERMINATING
NOT ACTIVATED**

NOTE:

Once ERDS is deactivated (i.e., NOT ACTIVATED) do not attempt to reactivate ERDS within seven minutes of termination or the NRC's computer may lockup, causing any attempts to reactivate ERDS to be unsuccessful.

Initials

- f. Inform the CRS when ERDS Termination is successful; (i.e., ERDS LINK STATUS will indicate, "NOT ACTIVATED").

OR

If ERDS Termination is not successful, request support from the Digital Systems Group. (Contacts are listed in Step 7.)

- g. Record **TEST COMPLETION** Time here:

____ 6.
NCO

If problems were noted during the test, record the results below; (indicate any identified by the NRC). If no problems were noted, circle: "No Problems Noted" below:

Unit 1 Test Date: _____ Test Time:

Problems Noted During the Test:

No Problems Noted - (circle if applicable)

ATTACHMENT 8a (cont.)

Initials

 7. Report any problems noted to the Digital Systems Group
NCO by contacting one of the following individuals: (Circle Name of Individual
Contacted)

<u>Name</u>	<u>Office Extension</u>	<u>Pager</u>
a. Jack Southers	x 5630	877-550-8020
b. Jeff Porter	x 3414	877-502-0893

 8. Document who performed and reviewed the test results
NCO below:

Test performed by: _____ on _____
(Name) (Date)

Test reviewed by: _____ on _____
(SRO Name) (Date)

NOTE

Documentation must be retained by the Document/Records Management Group.

 9. Attach all documentation to the work order package ensuring proper close out
SRO and processing by the Planning Department and Records Management
Group.

**ATTACHMENT 8b
EMERGENCY RESPONSE DATA SYSTEM (ERDS)
QUARTERLY TEST WITH NRC - SALEM UNIT 2**

1. Upon receipt of appropriate recurring task, the Operations Superintendent (OS)/designee shall direct an Operator to implement this attachment on the date specified.

NOTE

Salem Units 1 and 2 will be tested on Wednesday of the third full week (during first month) of each quarter; between 0800 hrs. and 1600 hrs. The first week of a quarter is taken to be the first entire work week (Monday to Friday). Any scheduled test days that fall on Federal holidays will be rescheduled to Friday of the same week.

The Operator implementing this attachment shall:

Initials

- _____ 2. Contact the NRC Test Monitor at 301-415-5015 and
NCO provide the following message:

"This is _____ at Salem Generating Station.
(your name)

I will be activating the Salem Unit 2 ERDS for the quarterly test. Are you ready for the test to commence?"

If **READY**, request the NRC Test Monitor to contact you at the end of the test. (Provide a callback number; e.g., Unit 2: 856-339-5202).

If **NOT READY**, establish a call back time to perform the test:

(Call Back Time) (Name of NRC Test Monitor)

ATTACHMENT 8b (CONT.)

 3. Record the following information for Unit 2 test:
NCO

Test date: _____ Test start time:

 4. After NRC concurrence is obtained, begin the ERDS test
NCO as follows:

- a. Proceed to an SPDS terminal in the Unit 2 Control Room and press the **<UNIT MASTER MENU>** key.
- b. Press the **<ERDS>** key; the ERDS menu will appear.
- c. Verify satisfactory communications status by observing the following indications:

ERDS LINK STATUS	"NOT ACTIVATED"
ERDS COMPUTER STATUS	"OKAY"

- d. If communication status is not as required by the previous step, do not continue ERDS activation. Skip to step 7 in this procedure and inform the Digital Systems Group of the discrepancy.
- e. Press the **<SHIFT>** and **<1>** keys to select "ACTIVATE ERDS COMMUNICATION".
- f. When prompted to confirm, type a **<Y>** and then, press the **<RETURN>** key to execute; "ERDS ACTIVATION ACCEPTED" will display.
- g. Observe activation sequence messages on lower half of the screen (next to ERDS LINK STATUS):

DIALING TRANSMITTING DATA

NOTE

During the testing process, the NRC will interrupt the data transmission to test the automatic reconnect feature of the system. No operator action is required.

ATTACHMENT 8b (CONT.)

Initials

- h. Inform CRS of successful ERDS activation status (i.e., ERDS LINK STATUS display would indicate, "TRANSMITTING DATA".)

OR

If ERDS activation is not successful, inform the CRS and then request support from Digital Systems Group per Step 7.

NOTE Refer to ECG RAL 11.7.1.C

- i. SPDS Terminal now can be used as needed. DO NOT terminate ERDS transmission until notified by the NRC that the ERDS test is complete.
- j. When all phases of the test are complete, the NRC will request ERDS Termination; at that time, proceed to Termination section below.

EMERGENCY RESPONSE DATA SYSTEM (ERDS) - TERMINATION

5.
NCO

When directed by the NRC, terminate Emergency Response Data System (ERDS) transmission as follows:

- a. Return to the SPDS terminal in the Unit 2 Control Room and press the **<UNIT MASTER MENU>** key.
- b. Press the **<ERDS>** key; the ERDS menu will appear.
- c. Press the **<SHIFT>** and **<2>** keys to select "TERMINATE ERDS COMMUNICATION".
- d. When prompted to confirm, type a **<Y>** and then, press the **<RETURN>** key to execute; "ERDS TERMINATION ACCEPTED" will display.
- e. Observe deactivation sequence messages on the lower half of the screen under ERDS LINK STATUS:

ATTACHMENT 8b (cont.)

**TERMINATING
NOT ACTIVATED**

NOTE:

Once ERDS is deactivated (i.e., NOT ACTIVATED) do not attempt to reactivate ERDS within seven minutes of termination complete or the NRC's computer may lockup, causing any attempts to reactivate ERDS to be unsuccessful.

Initials

- f. Inform the CRS when ERDS Termination is successful; (i.e., ERDS LINK STATUS will indicate, "NOT ACTIVATED").

OR

If ERDS Termination is not successful, request support from the Digital Systems Group. (Contacts are listed in Step 7.)

- g. Record **TEST COMPLETION** Time here:

6. If problems were noted during the test, record the results below; (indicate
NCO If no problems were noted, circle: "No Problems Noted" below:

Unit 2 Test Date: _____ Test Time:

Problems Noted During the Test:

No Problems Noted - (circle if applicable)

ATTACHMENT 8b (cont.)

Initials

 7. Report any problems noted to the Digital Systems Group
NCO by contacting one of the following individuals: (Circle Name of Individual
Contacted)

<u>Name</u>	<u>Office Extension</u>	<u>Pager</u>
a. Jack Southers	x 5630	877-550-8020
b. Jeff Porter	x 3414	877-502-0893

 8. Document who performed and reviewed the test results
NCO below:

Test performed by: _____ on _____
(Name) (Date)

Test reviewed by: _____ on _____
(SRO Name) (Date)

NOTE
Documentation must be retained by the Document/Records Management Group.

 9. Attach all documentation to the work order package ensuring proper close out
SRO and processing by the Planning Department and Records Management
Group.

ATTACHMENT 9

**EMERGENCY RESPONSE DATA SYSTEM (ERDS)
QUARTERLY TEST WITH NRC - HOPE CREEK**

1. Upon receipt of appropriate recurring task, the Operations Superintendent (OS)/designee shall direct an Operator to implement this attachment on the date specified.

NOTE

The **Hope Creek Unit** will be tested on **Thursday** of the **first** full week (during **first** month) of **each quarter**; between 0800 hrs. and 1600 hrs. The first week of a quarter is taken to be the first entire work week - (Monday to Friday). Any scheduled test days that fall on Federal holidays will be rescheduled to Friday of the same week.

The Operator implementing this attachment shall:

Initials

- _____ 2. Contact the NRC Test Monitor at 301-415-5015 and
NCO/EO provide the following message:

"This is _____ at Hope Creek Generating
(Your Name)

**Station. I will be activating the Hope Creek ERDS for the quarterly test.
Are you ready for the test to commence?"**

If **READY**, request the NRC Test Monitor to contact you at the end of the test.
(Be sure to provide a call-back number; e.g., 856-339-3059).

If **NOT READY**, establish a call back time to perform the test:

(Call Back Time) (Name of NRC Test Monitor)

- _____ 3. Record the following information:
NCO/EO

Test date: _____ Test start time:

ATTACHMENT 9 (CONT.)

Initials

____ 4.
NCO/EO

After NRC concurrence is obtained, begin the ERDS test as follows:

- a. Proceed to an SPDS terminal in the Control Room and press the **<ERDS> key**; the ERDS menu will appear.
- b. Verify satisfactory communications status by observing the following indications:

ERDS LINK STATUS	"NOT ACTIVATED"
ERDS COMPUTER STATUS	"OKAY"

- c. If communication status is not as required by the previous step, do not continue ERDS activation. Skip to step 7 in this procedure and inform the Digital Systems Group of the discrepancy.
- d. Press the **<PAGE UP> key** to select "ACTIVATE ERDS COMMUNICATION".
- e. When prompted to confirm, type a **<1>** and then, press the **<EXEC> key** to execute; "ERDS ACTIVATION ACCEPTED" will display.
- f. Observe activation sequence messages on lower half of the screen (next to ERDS LINK STATUS):

DIALING TRANSMITTING DATA

NOTE

During the testing process, the NRC will interrupt the data transmission to test the automatic reconnect feature of the system. No operator action is required.

ATTACHMENT 9 (CONT.)

EMERGENCY RESPONSE DATA SYSTEM (ERDS) - TERMINATION

Initials

- g. Inform CRS of successful ERDS activation status (i.e., ERDS LINK STATUS display would indicate, "TRANSMITTING DATA").
OR

If ERDS activation is not successful, inform the CRS and then request support from Digital Systems Group per Step 7.

NOTE
Refer to ECG RAL 11.7.1.C

- h. SPDS Terminal now can be used as needed. DO NOT terminate ERDS transmission until notified by the NRC that the ERDS test is complete.
- i. When all phases of the test are complete, the NRC will request ERDS Termination; at that time, proceed to Termination section below.

 5. When directed by the NRC, terminate Emergency Response Data System (ERDS) transmission as follows:
NCO/EO

- a. Return to the SPDS terminal in the Control Room and press the <ERDS> key; the ERDS menu will appear.
- b. Press the <PAGE DOWN> key; to select "TERMINATE ERDS COMMUNICATION".
- c. When prompted to confirm, type a "2" and then, press the <EXEC> key to execute; "ERDS TERMINATION ACCEPTED" will display.
- d. Observe deactivation sequence messages on the lower half of the screen under ERDS LINK STATUS:

TERMINATING NOT ACTIVATED

NOTE:

Once ERDS is deactivated, (i.e., NOT ACTIVATED) do not attempt to reactivate ERDS within seven minutes of termination complete or the NRC's computer may lockup, causing any attempts to reactivate ERDS to be unsuccessful.

ATTACHMENT 9 (CONT.)

Initials

- e. Inform the CRS when ERDS Termination is successful; (i.e., ERDS LINK STATUS will indicate, "NOTACTIVATED").

OR

If ERDS Termination is not successful, request support from the Digital Systems Group. (Contacts are listed in Step 7.)

- f. Record **TEST COMPLETION** Time here:

- _____ 6. If problems were noted during the test, record the results below; (indicate
NCO/EO if identified by the NRC). If no problems were noted, circle: "No Problems Noted" below:

Hope Creek Test Date: _____ Test Time:

Problems Noted During the Test:

No Problems Noted - (circle if applicable)

- _____ 7. Report any problems noted to the Digital Systems Group by
NCO/EO contacting one of the following individuals: (Circle Name of Individual Contacted)

<u>Name</u>	<u>Office Extension</u>	<u>Pager</u>
a. Jack Southers	x 5630	877-550-8020
b. Jeff Porter	x 3414	877-502-0893

ATTACHMENT 9 (CONT.)

Initials

_____ 8. Document who performed and reviewed the test results
NCO/EO below:

Test performed by: _____ on
(Name) (Date)

Test reviewed by: _____ on
(SRO Name) (Date)

NOTE

Documentation must be retained by the Document/Records Management Group.

_____ 9. Attach all documentation to the work order package ensuring proper close out
SRO and processing by the Planning Department and Records Management
Group.

SIGNATURE PAGE

Prepared By: Cathy Simmons (Rev. 12) 8/21/01
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: N/A
Station Qualified Reviewer Date

Reviewed By: N/A
Department Manager Date

Reviewed By: [Signature] 8/21/01
Manager - EP Date

Reviewed By: N/A
Manager - Quality Assessment (If Applicable) Date

SORC Review and Station Approvals

N/A N/A
Mtg. No. Salem Chairman Mtg. No. Hope Creek Chairman
Date Date

N/A
Vice President - Operations Date

Effective Date of this Revision is 8-30-01
Date