

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 12, 2004

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 04-219
NAPS/MPW
Docket Nos. 50-338/339
License Nos. NPF-4/7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
REVISIONS TO EMERGENCY PLAN IMPLEMENTING PROCEDURE

Pursuant to 10 CFR 50.54(q), enclosed is a correction to a North Anna Power Station Emergency Plan Implementing Procedure. This correction does not implement actions that decrease the effectiveness of our Emergency Plan. The Emergency Plan and Implementing Procedures continue to meet the standards of 10 CFR 50.47(b).

Please update your manual by performing the actions described in Attachment 1, Tabulation of Changes.

Very truly yours,


J. M. Davis
Site Vice President

Commitments Stated or Implied: None.

Enclosures

cc: U.S. Nuclear Regulatory Commission (2 copies)
Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

Mr. M. T. Widmann
NRC Senior Resident Inspector
North Anna Power Station

A045

**ATTACHMENT 1
TABULATION OF CHANGES**

**VIRGINIA ELECTRIC AND POWER COMPANY
REVISIONS TO NORTH ANNA POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE**

Enclosed is a recent correction to a North Anna Power Station Emergency Plan Implementing Procedure (EPIP). Information on the backs of pages 1 through 4 of EPIP – 2.02 providing “Continuous Action” guidelines did not get copied correctly. Please take the following actions in order to keep your manual updated.

REMOVE AND DESTROY	DATED	INSERT	EFFECTIVE DATE
EPIP – 2.02, Rev. 15	08/28/02	Corrected EPIP – 2.02, Rev. 15	08/28/02

Emergency Plan Privacy and Proprietary Material has been removed. Reference Generic Letter No. 81-27.

VIRGINIA POWER
NORTH ANNA POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER EPIP-2.02	PROCEDURE TITLE NOTIFICATION OF NRC (With 3 Attachments)	REVISION 15
		PAGE 1 of 5

PURPOSE

1. To notify the NRC of an emergency and to provide supplemental status information.
2. To activate the Emergency Response Data System (ERDS) upon an Alert or higher emergency classification.

**LEVEL 2 COPY
THIS DOCUMENT SHALL BE VERIFIED
TO A CONTROLLED SOURCE AS
REQUIRED TO PERFORM WORK**

ENTRY CONDITIONS

Any one of the following:

1. Emergency is declared.
2. Entry directed by Station Emergency Manager.

Approvals on File

Effective Date 08/28/02

CONTINUOUS ACTION PAGE FOR EPIP-2.02

1. TURNOVER/RELIEF CRITERIA

WHEN relief or turnover occurs, THEN do the following:

- a) Tell relief about current emergency status.
- b) Review attachments with relief (review/summarize attachments by phone or send attachments by facsimile (fax) if face-to-face turnover not achievable).
- c) Record relief on Attachment 2.
- d) Notify SEM of relief.
- e) Give this procedure and all attachments to relief.

2. TRANSMITTAL OF INFORMATION BY FACSIMILE CRITERIA

IF NRC Operations Officer requests information be telecopied, THEN do the following:

- a) Get NRC telecopier number.
- b) Have requested information sent to NRC (request support from administrative personnel as needed).
- c) Keep copy of information sent to NRC.

3. HEALTH PHYSICS NETWORK (HPN) ESTABLISHMENT CRITERIA

IF NRC requests HPN be established, THEN do the following:

- a) Notify Station Emergency Manager of request.
- b) Notify LEOF/CEOF Recovery Manager (Radiological Assessment Director if LEOF/CEOF NOT activated) that NRC requested HPN be established and time request was made.
- c) Ask LEOF/CEOF Recovery Manager (Radiological Assessment Director if LEOF/CEOF NOT activated) to report when HPN established.

NUMBER EPIP-2.02	PROCEDURE TITLE NOTIFICATION OF NRC	REVISION 15 <hr/> PAGE 2 of 5
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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
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- NOTE:**
- NRC notification shall be made immediately after notification of State and local governments and in all cases within 1 hour from the time of event declaration.
 - ERDS shall be activated as soon as possible and in all cases within 1 hour after declaring an Alert or higher classification.
 - The NRC may require that a continuous open communication channel be maintained throughout the event.

_____ 1 INITIATE PROCEDURE:

- By: _____
- Date: _____
- Time: _____

- NOTE:**
- Items appearing on Attachment 1, NRC Event Notification Worksheet, may be marked "N/A" if they do not pertain to the incident.
 - Items 10 and 21 of Attachment 1 are normally completed during communications with the NRC.

_____ 2 CHECK EVENT DECLARATION -
NOTIFICATION OF UNUSUAL EVENT

IF classification - ALERT OR HIGHER, THEN do the following:

- Complete the following items on Attachment 1:
 - Items 1 - 9
 - Items 11 - 20
 - Items 22 - 33
- Activate ERDS using Attachment 3, ERDS Operation.
- GO TO Step 4.

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NUMBER EPIP-2.02	PROCEDURE TITLE NOTIFICATION OF NRC	REVISION 15
		PAGE 3 of 5

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
3	COMPLETE THE FOLLOWING ITEMS ON ATTACHMENT 1, NRC EVENT NOTIFICATION WORKSHEET: <ul style="list-style-type: none"> • Items 1 - 9 • Items 11 - 20 	
4	ASK SEM TO SIGN ATTACHMENT 1 AT TOP OF PAGE 1 PRIOR TO TRANSMITTAL (indicating review and approval)	
<p>NOTE: Communications with the NRC Operations Center are recorded by the NRC and by North Anna.</p>		
5	USE NRC ENS PHONE TO NOTIFY NRC	Use commercial phone: <ul style="list-style-type: none"> • 1-301-816-5100 • 1-301-951-0550 • 1-301-415-0550
<p>NOTE: The NRC Headquarters Operations Officer may stop you during transmittal of Attachment 1 in order to add other NRC representatives to the call. Data transmittal should continue when you are advised to resume communications.</p>		
6	USE ATTACHMENT 1 TO NOTIFY NRC HEADQUARTERS OPERATIONS OFFICER	

CONTINUOUS ACTION PAGE FOR EPIP-2.02

1. TURNOVER/RELIEF CRITERIA

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NUMBER EPIP-2.02	PROCEDURE TITLE NOTIFICATION OF NRC	REVISION 15
		PAGE 4 of 5

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

- NOTE:**
- VPAP-2802, NOTIFICATIONS AND REPORTS, contains detailed NRC reporting requirements established by regulations, agreements, commitments and management directives.
 - ERDS data points are listed in PCS Group Displays labeled ERDS - PLANT DATA and ERDS RAD / MET.
 - The NRC Emergency Communicator should relocate to the TSC with the SEM, or as soon as possible thereafter. It may be necessary to wait for arrival of a TSC NRC Communicator if a continuous line has been established and must be maintained.

____ 7 CHECK IF CONTINUOUS OPEN LINE TO BE MAINTAINED

IF continuous communications NOT required, THEN do the following:

- a) Ask NRC Operations Officer when follow-up call is required.
- b) Record time follow-up call is required on Attachment 2, NRC Emergency Communicator Log.
- c) WHEN follow-up call is required, THEN GO TO Step 8.

____ 8 CONTINUE NRC COMMUNICATIONS:

- Get information needed to answer questions (e.g., PCS, Station Emergency Manager)
- Update NRC as conditions change
- Use Attachment 2, NRC Emergency Communicator Log, to note items of record (e.g., excerpts from questions, associated responses, changes of NRC and North Anna communicators)

____ 9 CHECK EMERGENCY - TERMINATED

RETURN TO Step 8.

CONTINUOUS ACTION PAGE FOR EPIP-2.02

1. TURNOVER/RELIEF CRITERIA

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NUMBER EPIP-2.02	PROCEDURE TITLE NOTIFICATION OF NRC	REVISION 15 PAGE 5 of 5
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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
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____ 10 NOTIFY NRC OF EVENT TERMINATION

____ 11 CHECK IF ERDS WAS ACTIVATED GO TO Step 13.

____ 12 TERMINATE ERDS DATA LINK USING
ATTACHMENT 3, ERDS OPERATION
(Steps 9 through 13)

____ 13 TERMINATE PROCEDURE:

- Give completed EPIP-2.02, forms and other applicable records to the Emergency Procedures Coordinator
- Give to STA.
- Completed by: _____
- Date: _____
- Time: _____

-END-

NUMBER EPIP-2.02	ATTACHMENT TITLE NRC EVENT NOTIFICATION WORKSHEET	REVISION 15
ATTACHMENT 1		PAGE 1 of 11

APPROVAL (SEM): _____; Date/time: ____/____/____.

1. This is North Anna Power Station. This message is being recorded. I have information to transmit. Please inform me when you are ready to copy (proceed when informed):
The current time is _____. The date is ____/____/____.

2. This event affects (Unit 1, Unit 2, both units, ISFSI).

3. My name is _____.

4. Please provide your name for our records: _____.

5. My callback number is: (540) _____.

6. A(n)
 Notification of Unusual Event
 Alert
 Site Area Emergency
 General Emergency
 was declared at _____ on ____/____/____.
(hours) (date).

7. Unit 1 is at _____% power, in Mode _____.
Unit 1 will be: held stable,
 cooled down and depressurized,
 stabilized before further actions.

Unit 2 is at _____% power, in Mode _____.
Unit 2 will be: held stable,
 cooled down and depressurized,
 stabilized before further actions.

8. Critical Safety Function Status Tree indications are:
 All green paths;
 As follows (list color if other than green and be prepared to discuss FRP status, e.g., implemented or not implemented):

PATH	PATH COLOR	FRP STATUS
Subcriticality (F-1)		
Core Cooling (F-2)		
Heat Sink (F-3)		
Integrity (F-4)		
Containment (F-5)		
Inventory (F-6)		

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	NRC EVENT NOTIFICATION WORKSHEET	15
ATTACHMENT 1		PAGE 2 of 11

NOTE: A description of the EAL Condition/Applicability and Indication should be provided (refer to EPIP-1.01, Attachment 1). Additional detail should be provided as necessary to describe the event.

9. EVENT DESCRIPTION: _____

NOTE: The NRC Headquarters Operations Officer may connect additional NRC representatives to the call. Items may have to be repeated as NRC representatives are bridged on.

10. Should I continue with this notification or wait for additional NRC representatives to be bridged to the call? (Either proceed or wait, as directed by NRC, then do one of the following):

- IF emergency classification - Notification of Unusual Event, THEN read Items 11 through 21

OR

IF emergency classification - Alert or higher, THEN do the following:

- Read Items 11 through 20 (the NRC representative may suspend/defer transmittal of this information and ask for other data)
- IF additional data is requested, THEN use the Reference Menu on the next page as a guideline to answer questions:
 - Refer to appropriate item and give data that is specific to the event. The NRC may ask questions not addressed by these items, in which case it will be necessary to get data from other available means (e.g., PCS, Station Emergency Manager).

NUMBER	ATTACHMENT TITLE NRC EVENT NOTIFICATION WORKSHEET	REVISION
EPIP-2.02		15
ATTACHMENT		PAGE
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REFERENCE MENU

Power/Mode prior to event	Item 11
Description of affected systems, initiating signals, effect of event on plant, etc.	Item 12
NRC Resident Inspector notification	Item 13
Government agency notification	Items 14-15
Press release	Item 16
Mode of Operation until correction	Item 17
Time of restart	Item 18
Radiological release, exposures, contaminations, release rates, monitor readings	Item 19
RCS leakage	Item 20
Steam Generator Tube Leakage	Item 20
NRC Form 361 Close-out	Item 21
System Failures	Item 22
Dose projections	Item 23
Planned release	Item 24
Potential escalation path(s)	Item 25
Method of core heat removal	Item 26
Unit 1 major equipment status: ECCS, Diesels, RCS Integrity, Fuel Integrity, Containment Integrity, Balance of Plant, Offsite Electrical Supply	Item 27
Unit 2 major equipment status: ECCS, Diesels, RCS Integrity, Fuel Integrity, Containment Integrity, Balance of Plant, Offsite Electrical Supply	Item 28
Miscellaneous: Emergency Response Organization augmentation, Offsite Assistance, Accountability, Protective Action Recommendations, Pertinent Data (as specified by SEM)	Items 29-33

NUMBER EPIP-2.02	ATTACHMENT TITLE NRC EVENT NOTIFICATION WORKSHEET	REVISION 15
ATTACHMENT 1		PAGE 4 of 11

11. Power level and mode prior to the event:

[] Unit 1: _____%, Mode _____.

[] Unit 2: _____%, Mode _____.

12. Describe systems affected, actuation and initiating signals, causes, effect of event on plant, corrective actions taken or planned, etc. Explain any systems that did not function as required. Include anything "unusual" or that is not understood as of the time of this report:

13. The NRC Resident Inspector ([] has been, [] has not been, [] will be) notified.

14. State and Local agencies ([] have been, [] have not been) notified.

15. Other government agencies ([] have been, [] have not been, [] will be) notified. List agencies notified, if any: _____

16. We ([] plan, [] do not plan, [] have not yet determined whether) to make a press release.

17. The unit Mode of Operation until correction will be: _____.

18. The estimated time of restart is _____ (N/A if not applicable).

NUMBER EPIP-2.02	ATTACHMENT TITLE NRC EVENT NOTIFICATION WORKSHEET	REVISION 15
ATTACHMENT 1		PAGE 5 of 11

NOTE: Item 19 need only be completed for a radiological release.

19. Radiological release data is as follows:

- a. The release (is, was): (liquid, gaseous).
- b. The release (is, was): (planned, unplanned).
- c. The release (is, was): (ongoing, terminated).
- d. The release (is, was): (monitored, unmonitored).
- e. Tech Spec limits (were, were not) exceeded. List Tech. Spec. limit(s) exceeded: _____.
- f. Onsite areas (have, have not) been evacuated. List areas evacuated, if any: _____.
- g. Personnel (have, have not) been exposed or contaminated. Describe exposure or contamination event, if any: _____.
- h. Offsite Protective Action Recommendations (have been made, have not been made).
- i. Release rate information (is not available, is as follows):

	Release Rate, Ci/sec	% Tech. Spec. Limit
Noble Gas		
Iodine		
Particulate		
Liquid (excluding tritium) and dissolved noble gases)		
Liquid tritium		
TOTAL ACTIVITY		

(Item 19 continued on next page)

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	NRC EVENT NOTIFICATION WORKSHEET	15
ATTACHMENT 1		PAGE 7 of 11

NOTE: Item 20 need only be completed for Reactor Coolant or Steam Generator Tube leaks.

20. (Reactor Coolant System, Steam Generator Tube leak) data is as follows:

- a. The location of the leak (is, was): _____.
- b. The leak rate (is, was) _____ (specify units, e.g., gpm/gpd)..
- c. The leak volume (is, was): _____.
- d. Tech Spec limits (were, were not) exceeded. (If applicable, the Tech. Spec. limit exceeded was: _____
_____.
- e. This problem was a (sudden, long-term) development.
- f. The leak start date was: ___/___/____. The start time was: _____.
- g. Primary Coolant activity (Specify units of activity): _____.
- h. Secondary Coolant activity (Specify units of activity): _____.
- i. The following safety-related equipment is NOT operational: _____

_____.

NOTE:

- The NRC may direct that a supplemental notification be made (e.g., after a specified period of time, or when the event is terminated). Attachment 2 should be used to record subsequent communications with the NRC.
- Item 21 is not applicable and may be marked "N/A" if a continuous, open line is to be maintained.

21. This completes the report at (time) _____ on (date) ___ / ___ / ____.

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	NRC EVENT NOTIFICATION WORKSHEET	15
ATTACHMENT 1		PAGE 8 of 11

22. System failures are as follows (list failures and be prepared to discuss compensatory/corrective action status):

23. Dose projections are:

24. A planned release:

- is in progress is required
 may be required is NOT required

If in progress or required, then give detail (e.g., when required, pathway):

25. Evident escalation path (potential for escalation) is:

- none;
 (describe plant parameters being assessed against emergency classification criteria, e.g., parameters that may pose a challenge to EAL thresholds):

26. Method of core heat removal:

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	NRC EVENT NOTIFICATION WORKSHEET	15
ATTACHMENT 1		PAGE 9 of 11

27. UNIT 1 - MAJOR EQUIPMENT STATUS:

a. EMERGENCY CORE COOLING SYSTEM:

Train A:

High Head SI: Operating Available Failed

Low Head SI: Operating Available Failed

Train B:

High Head SI: Operating Available Failed

Low Head SI: Operating Available Failed

b. EMERGENCY DIESELS:

1H - Operating Available Failed

1J - Operating Available Failed

c. RCS Integrity:

Is intact.

LOCA (is, is not) in progress.

Size is (estimated at _____ gpm, unknown).

SGTR (is, is not) in progress.

Size is (estimated at _____ gpm, unknown).

d. Fuel Integrity:

There are no fuel failure indications.

Fuel failure is indicated based on:

RCS sample

Effluent radiation monitor readings

Letdown radiation monitor readings

Containment radiation monitor readings

e. Containment Integrity:

There is no containment failure indicated.

Containment failure or degradation is indicated by: _____

f. Secondary systems (MS/FW/Turbine):

Intact

Failures: _____

g. Offsite electrical supply:

Available

Not available

Degraded (i.e., partial losses): _____

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	NRC EVENT NOTIFICATION WORKSHEET	15
ATTACHMENT 1		PAGE 10 of 11

28. UNIT 2 - MAJOR EQUIPMENT STATUS:

a. EMERGENCY CORE COOLING SYSTEM:

Train A:

High Head SI: Operating Available Failed

Low Head SI: Operating Available Failed

Train B:

High Head SI: Operating Available Failed

Low Head SI: Operating Available Failed

b. EMERGENCY DIESELS:

2H - Operating Available Failed

2J - Operating Available Failed

c. RCS Integrity:

Is intact.

LOCA (is, is not) in progress.

Size is (estimated at _____ gpm, unknown).

SGTR (is, is not) in progress.

Size is (estimated at _____ gpm, unknown).

d. Fuel Integrity:

There are no fuel failure indications.

Fuel failure is indicated based on:

RCS sample

Effluent radiation monitor readings

Letdown radiation monitor readings

Containment radiation monitor readings

e. Containment Integrity:

There is no containment failure indicated.

Containment failure or degradation is indicated by: _____

f. Secondary systems (MS/FW/Turbine):

Intact

Failures: _____

g. Offsite electrical supply:

Available

Not available

Degraded (i.e., partial losses): _____

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	NRC EVENT NOTIFICATION WORKSHEET	15
ATTACHMENT 1		PAGE 11 of 11

NOTE: The TSC is usually activated in about 30 minutes during normal work hours, and in about 60 minutes during off-hours.

29. The Emergency Response Organization (will be, has been, will not be) called out.
 TSC activation is projected at approximately (give time) _____.
30. Offsite assistance (is not required, has been requested, has arrived onsite). Specify assistance, if requested: _____

31. Accountability is (not required, in progress, completed, deferred). Report results if known: _____

NOTE: Protective Action Recommendations may be obtained from the State and Local Emergency Communicator.

32. A Protective Action Recommendation (PAR):
 is NOT required.
 (is being, has been) made to the State of Virginia and is as follows:
- Standard: Evacuate 360° from 0 miles to 5 miles.
- Expanded:
- Evacuate 360° from 0 miles to 5 miles.
 - Evacuate 360° from 5 miles to _____ miles.
 - Evacuate sectors _____ from _____ miles to _____ miles.
 - Shelter 360° from _____ miles to _____ miles.
 - Shelter sectors _____ from _____ miles to _____ miles.
 - Shelter unaffected sectors from _____ miles to _____ miles.

33. Other data (get from SEM): _____

NUMBER EPIP-2.02	ATTACHMENT TITLE NRC EMERGENCY COMMUNICATOR LOG	REVISION 15
ATTACHMENT 2		PAGE 1 of 1

Use this log to note information communicated to and from the NRC (e.g., notes about NRC questions and directions, responses to NRC questions, North Anna NRC ENS Communicator and NRC Operations Officer relief). Verbatim transcription of communications is not necessary.

TIME	NOTES

NUMBER EPIP-2.02	ATTACHMENT TITLE ERDS OPERATION	REVISION 15
ATTACHMENT 3		PAGE 1 of 6

___ 1. Assure connection to desired unit's PCS on any unit-specific Control Room PCS workstation or TSC NRC Communicator PCS workstation.

___ 2. Select "ERDS" option from Main drop-down menu on command line.

___ 3. WHEN ERDS User Interface Display appears, THEN check "STATUS" is:

MODEM	DISCONNECTED
ERDS COMPUTER	TERMINATED
COMMUNICATION TASK	INACTIVE

IF "STATUS" is different from expected, THEN refer to descriptions of LOG MESSAGES and required actions at the end of this attachment.

___ 4. Select "ACTIVATE" selectable area or function key F1. (The "STATUS" of the MODEM, ERDS COMPUTER and COMMUNICATIONS TASK will change during ERDS connection.)

___ 5. Wait until "STATUS" appears as shown below:

MODEM	CONNECT
ERDS COMPUTER	ACCEPTED
COMMUNICATION TASK	TRANSMITTING

IF after 2-3 minutes "STATUS" is different from expected, THEN refer to descriptions of LOG MESSAGES and required actions at the end of this attachment.

___ 6. IF transmission of data for both units desired, THEN complete Steps 1 through 5 for the other unit AND continue with instructions in this Attachment.

___ 7. Record when transmission link(s) established:

By: _____
Date: _____
Time: _____

___ 8. Notify SEM that Emergency Response Data System link to NRC is active.

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	ERDS OPERATION	15
ATTACHMENT 3		PAGE 2 of 6

___ 9. WHEN directed by NRC or SEM to terminate ERDS transmission, THEN continue this instruction.

___ 10. Select "TERMINATE" selectable area or function key F2. (The "STATUS" of the MODEM, ERDS COMPUTER and COMMUNICATIONS TASK will change during ERDS termination.)

___ 11. Wait until "STATUS" appears as shown below:

MODEM	DISCONNECTED
ERDS COMPUTER	TERMINATED
COMMUNICATION TASK	INACTIVE

IF after 2-3 minutes "STATUS" is different from expected, THEN refer to descriptions of LOG MESSAGES and required actions at the end of this attachment.

___ 12. IF data transmitted from both units, THEN complete Steps 10 through 11 for the other unit AND continue with instructions in this Attachment.

___ 13. Record termination of ERDS data link:

By: _____
Date: _____
Time: _____

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	ERDS OPERATION	15
ATTACHMENT		PAGE
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NOTE: The following sections provide alphabetical listings of:

- MODEM (connection) STATUS MESSAGES
- ERDS COMPUTER (program) STATUS MESSAGES
- COMMUNICATION TASK STATUS MESSAGES

MODEM STATUS MESSAGES

Message: ANSWER

Description: This message indicates the NRC modem answered.

Action: None.

Message: BUSY

Description: This message indicates the NRC modem did not answer. The ERDS software will retry dialing the busy modem. When the defined number of retries is reached, the process will terminate automatically.

Action: The user may select "TERMINATE" selectable area or function key F2 to terminate the communication task before the busy retry count is reached. The problem is with the NRC modem. Contact the NRC.

Message: CONNECT

Description: This message indicates the ERDS modem and the NRC modem answered each other, connected and are ready for ERDS information packets to be transferred.

Action: None.

Message: DIALING

Description: This message indicates the ERDS software has sent a dial command to the ERDS modem and the ERDS modem is dialing the NRC modem.

Action: None.

Message: DISCONNECTED

Description: This message is self-explanatory. This is the expected modem status before activating ERDS and after terminating ERDS.

Action: None.

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-2.02	ERDS OPERATION	15
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MODEM STATUS MESSAGES (continued)

Message: ERROR
Description: This message is self-explanatory.
Action: Select "TERMINATE" selectable area or function key F2 and make a second attempt to activate ERDS. IF problem recurs, THEN request OSC dispatch Instrument Technician to investigate.

Message: NO CARRIER
Description: This message may indicate the NRC phone number in the program file is missing or the file has been corrupted.
Action: Request Telecommunications support from LEOF or IT Helpline.

Message: NO DIAL TONE
Description: This message indicates the ERDS modem did not detect a dial tone.
Action: The problem is with the telephone system. Request Telecommunications support from LEOF or IT Helpline.

Message: OK
Description: This message indicates the ERDS software has sent a dial command to the ERDS modem and the ERDS modem responded with an OK.
Action: None.

Message: RINGING
Description: This message indicates the NRC modem is ringing.
Action: If this modem status persists, there may be a problem with NRC computer. Contact the NRC.

Message: TIMED OUT
Description: This message indicates ERDS modem has timed out.
Action: The user may select "TERMINATE" selectable area or function key F2 to terminate the communication task before the busy retry count is reached. Make a second attempt to activate ERDS. IF problem recurs, THEN request OSC dispatch Instrument Technician to investigate.

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ERDS COMPUTER STATUS MESSAGES

Message: ACCEPTED
Description: This message indicates the NRC computer accepted the link request from the ERDS software.
Action: None.

Message: DENIED
Description: This message indicates the NRC computer denied the link request from the ERDS software.
Action: Contact the NRC.

Message: TERMINATED
Description: This message is self-explanatory. This is the expected modem status before activating ERDS and after terminating ERDS.
Action: None.

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COMMUNICATIONS TASK STATUS MESSAGES:

Message: ACTIVE
Description: This message indicates the user has activated the ERDS software.
Action: None.

Message: INACTIVE
Description: This message is self-explanatory. This is the expected communications task status before activating ERDS and after terminating ERDS.
Action: None.

Message: LINK REQUESTED
Description: This message indicates the ERDS modem and the NRC modem have connected and synchronized, and the ERDS modem has sent a link request to the NRC modem.
Action: None.

Message: RETRY N (where N is the retry count)
Description: The timeout period of 30 seconds has elapsed. This message indicates the ERDS modem has malfunctioned or has been powered off such that the modem can not receive commands.
Action: Request OSC dispatch Instrument Technician to investigate.

Message: TIMED OUT
Description: This message indicates the retry count has been exceeded because of a problem with the ERDS modem. The ERDS communication task will terminate after it has timed out.
Action: Request OSC dispatch Instrument Technician to investigate.

Message: TRANSMITTING
Description: This message indicates the NRC computer sent an initiate command to the ERDS computer and data transmission is occurring. This message remains until ERDS data transmission is terminated.
Action: None.
