CAROLINA POWER & LIGHT COMPANY
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

Procedure No.	Emergency Procedure	Revision No.
PEP-1.0	Introduction	8
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PEP-2.3	Emergency Control - Alert	9
PEP-2.4	Emergency Control - Site Emergency	9
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EMERGENCY PLAN AND PROCEDURES

VOLUME 13

INTRODUCTION

PEP-1.0

REVISION 6

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
7	RTC/mo	2-14-83						
8	RTC/mo	6-14-83						

Recommend By: _____ 7-1-82
Emergency Planning Coordinator — DATE

Approved By: _____ 7/2/82
Plant General Manager — DATE

Yellow Tabs	denote the Key Personnel Emergency Management Guides. These guides are used to assure that appropriate actions are addressed by responsible qualified personnel and that the status of actions may be properly maintained.
Blue Tabs	precede those PEPs normally used by emergency response members subsequent to the initial classification of an emergency.
White Tabs	preface those sections which provide reference information or emergency preparedness data.

EXHIBITS are numbered according to the procedure in which they are located. The EXHIBIT number uses the PEP number followed by an assigned integer. EXHIBITS are located at the end of the respective PEPs in numerical order according to the assigned integer.

Example: The first three EXHIBITS of PEP-3.4.4 are located at the end of that PEP and are numbered as follows: 3.4.4-1, 3.4.4-2, 3.4.4-3.

Extra copies of exhibits expected to be revised during the course of an emergency will be located in easily accessible areas within the TSC and EOF.

A full-sized map of the Plume Exposure Emergency Planning Zone is located at the back of this manual.

For informational blanks and checkoffs, the use of "N.A." for items not available or not applicable is permitted.

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EMERGENCY PLAN AND PROCEDURES

VOLUME 13

EMERGENCY CONTROL - ALERT

PEP-2.3

REVISION 6

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
7	RTC/mrs	10-11-82						
8	RTC/mrs	4-15-83						
9	RTC/mrs	6-14-83						

Recommend By: R. T. Conrad
Emergency Planning Coordinator — 7/1/82 DATE

Approved By: W. S. Hartley Jr.
Plant General Manager — 7/2/82 DATE

3.1.2.3 Repeat all of Step 3.1.1.

[] 3.1.3 IF conditions warrant an increased degree of personnel accountability, declare an EMERGENCY ASSEMBLY, as follows:

3.1.3.1 Sound the Site Evacuation Alarm.

3.1.3.2 Announce "Emergency Assembly due to an Alert caused by (state plant conditions and any specific safety instructions)." Continue to sound the alarm for 2 minutes.

Note: If the parking lot is not the appropriate assembly area for non-emergency response personnel, announce an alternate location over the plant PA.

3.1.3.3 Implement Section 3.2 of PEP-3.8.1, "Evacuation."

3.1.3.4 Implement Section 3.2 of PEP-3.8.2, "Personnel Accountability."

3.1.3.5 Implement PEP-3.8.4, "Access Control."

3.1.3.6 Repeat the announcement in Step 3.1.2.2 upon silencing the alarm.

3.1.3.7 Activate the Operational Support Center once all personnel are accounted for.

Note: If the Maintenance Shop is not the appropriate location for the Operational Support Center, announce an alternate location over the plant PA.

3.2 Complete and approve for release EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government". (Exhibit is in PEP-2.6.21, "Emergency Communicator").

3.3 Direct Emergency Communicator to transmit the information on EXHIBIT 2.6.21-1 to those persons and agencies identified in EXHIBIT 2.3-1, "Immediate Notification Checklist for Alert" as follows:

Note: The Emergency Communicator shall perform Steps 3.3.1 through 3.3.5. These notifications shall indicate that mobilization is NOT required except as needed by Steps 3.4 and 3.5 below.

Note: If the EOF has been activated, the Emergency Communicator will transmit the information on EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government", to the Emergency Response Manager or his designated representative. The Emergency Response Manager, in coordination with the Site Emergency Coordinator, is then responsible to carry out steps 3.3.1 through 3.3.5.

3.3.1 Utilize EXHIBIT 2.3-2, "Immediate Notification Checklist for an Alert," to determine which organizations and individuals must be contacted. Request information from the Site Emergency Coordinator regarding which of the optional contacts should be made.

3.3.2 Contact the organizations and individuals as indicated in EXHIBIT 2.3-1.

Note: The proper telephone numbers and the specific individuals (including titles and alternates) to be contacted for each organization are contained in PEP-Appendix A, which shall be used in conjunction with this procedure.

3.3.3 Transmit the information contained in EXHIBIT 2.6.21-1 to each person contacted.

Note: The notification of Corporate Headquarters must specifically include a contact by the Primary Site Emergency Coordinator or his designated alternate with the Vice President - Nuclear Operations or his designated alternate.

3.3.4 If there is any question regarding the authenticity of the notification, request a verification call-back from the organization or individual contacted (unless contact is via a dedicated phone line or radiotelephone communication).

3.3.5 Report to the Site Emergency Coordinator when all Immediate Notifications are made and verified. _____/_____ (initial / time)

3.4 Activate that portion of the Emergency Organization necessary to respond to the emergency.

Note: EXHIBIT 1.2-1 contains the Emergency Organization team assignments.

3.4.1 Fill out EXHIBIT 2.3-2, "Emergency Organization Notification Checklist (Alert)" to indicate the level of response required.

Note: Mandatory notifications are already checked.

3.4.2 Notify on-shift personnel of the emergency assignments. Personnel Notified: _____/_____ (initials / time)

3.4.3 Activate Technical Support Center and notify appropriate Technical Support Group personnel.

3.4.4 If the Site Public Information Coordinator is activated, also activate the Plant Media Center.

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EMERGENCY PLAN AND PROCEDURES

VOLUME 13

EMERGENCY CONTROL - SITE EMERGENCY

PEP-2.4

REVISION 6

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
7	RTC/NRC	10-11-82						
8	RTC/NRC	4-15-83						
9	RTC/NRC	6-14-83						

Recommend By: R. E. Conway — Emergency Planning Coordinator — 7-1-82 DATE

Approved By: M. S. Hamilton Jr — Plant General Manager — 7/2/82 DATE

3.1.3.5 Implement PEP-3.8.4, "Access Control."

3.1.3.6 Activate the Operational Support Center once all personnel are accounted for.

Note: If the Maintenance Shop is not the appropriate location for the Operational Support Center, announce an alternate location over the plant PA.

3.2 Complete and approve for release EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government" (Exhibit is in PEP-2.6.21, "Emergency Communicator").

3.3 Direct Emergency Communicator to transmit the information on EXHIBIT 2.6.21-1 to those persons and agencies identified in EXHIBIT 2.4-1, "Immediate Notification Checklist for a Site Emergency."

Note: The Emergency Communicator shall perform Steps 3.3.1 through 3.3.7. These notifications should indicate that mobilization and activation is required for a Site Emergency. Also, the need to start the public notification process must be determined based on initial dose projections and emergency prognosis.

If the EOF has been activated, the Emergency Communicator will transmit the information on Exhibit 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government," to the Emergency Response Manager. The Emergency Response Manager, in coordination with the Site Emergency Coordinator, is then responsible to carry out Steps 3.3.1 through 3.3.5.

3.3.1 Complete any missing information on EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government."

3.3.2 Have the Site Emergency Coordinator review and approve EXHIBIT 2.6.21-1 prior to transmittal.

3.3.3 Utilize EXHIBIT 2.4-1, "Immediate Notification Checklist for a Site Emergency," to determine which organizations and individuals must be contacted. Request information from the Site Emergency Coordinator regarding which of the optional contacts should be made.

3.3.4 Contact the organizations and individuals as indicated in EXHIBIT 2.4-1.

Note: The individuals (including titles and alternates) to be contacted for each organization are contained in PEP-Appendix A, which shall be used in conjunction with this procedure.

3.3.5 Transmit the information contained in EXHIBIT 2.6.21-1 each person contacted.

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EMERGENCY PLAN AND PROCEDURES

VOLUME 13

EMERGENCY CONTROL - GENERAL EMERGENCY

PEP-2.5

REVISION 6

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
7	RTC /ms	10-11-82						
8	RTC /ms	4-15-83						
9	RTC / ms	6-14-83						

Recommend By: _____ 7-1-2
Emergency Planning Coordinator — DATE

Approved By: _____ 7/2/82
Plant General Manager — DATE

3.2 Initiate appropriate on-site protective actions.

3.2.1 Implement PEP-3.8.1, "Evacuation."

3.2.2 Implement PEP-3.8.2, "Personnel Accountability."

Note: Personnel Accountability reports listing missing individuals shall be completed within 30 minutes of time recorded in Step 3.1 above.

3.2.3 Implement PEP-3.8.4, "Access Control."

3.2.4 Consider need for donning protective clothing and respirators in accordance with PEP-3.7.3, "Issuance and Use of Protective Gear."

Note: If the parking lot is not the appropriate assembly area for non-emergency response personnel, announce an alternate location over the plant PA.

3.2.5 Activate the Operational Support Center once all personnel are accounted for.

Note: If the Maintenance Shop is not the appropriate location for the Operational Support Center, announce an alternate location over the plant PA.

3.3 Complete EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government" (Exhibit 2.6.21-1 is located in Emergency Communicator PEP 2.6.21)

-CAUTION-

THE PUBLIC NOTIFICATION PROCESS SHALL BE INITIATED AND APPROPRIATE PROTECTIVE ACTIONS RECOMMENDED TO AUTHORITIES RESPONSIBLE FOR OFF-SITE PROTECTIVE ACTIONS. GUIDELINES FOR PROTECTIVE ACTIONS ARE SHOWN IN EXHIBIT 2.5-3, "PROTECTIVE ACTION GUIDELINES."

3.4 Direct Emergency Communicator to transmit the information on EXHIBIT 2.6.21-1 to those persons and agencies identified in EXHIBIT 2.5-1, "Immediate Notification Checklist for a General Emergency."

-CAUTION-

IF A GENERAL EMERGENCY IS DECLARED BEFORE THE STATE HAS ESTABLISHED ITS FORWARD EMERGENCY OPERATIONS CENTER, USE EXHIBIT 2.6.21-1 "WARNING MESSAGE: NUCLEAR FACILITY TO STATE/LOCAL GOVERNMENT."

Note: The Emergency Communicator shall perform Steps 3.4.1 through 3.4.7. These notifications should indicate that mobilization and activation is required for a General Emergency.

Note: If the EOF has been activated, the Emergency Communicator will transmit the information on EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Governments", to the Emergency Response Manager or his designated representative. The Emergency Response Manager, in coordination with the Site Emergency Coordinator, is then responsible to carry out steps 3.4.2 through 3.4.5.

3.4.1 DELETED

3.4.2 Have the Site Emergency Coordinator review and approve EXHIBIT 2.6.21-1 prior to transmittal.

3.4.3 Utilize EXHIBIT 2.5-1, "Immediate Notification Checklist for a General Emergency," to determine which organizations and individuals must be contacted. Request information from the Site Emergency Coordinator regarding which of the optional contacts should be made.

3.4.4 Contact the organizations and individuals as indicated in EXHIBIT 2.5-1.

Note: The proper telephone numbers and the specific individuals (including titles and alternates) to be contacted for each organization are contained in PEP-Appendix A, which should be used in conjunction with this procedure.

3.4.5 Transmit the information contained in EXHIBIT 2.6.21-1 each person contacted.

Note: The notification of Corporate Headquarters must specifically include a contact by the Primary Site Emergency Coordinator or his designated alternate with the Vice President - Nuclear Operations, or his designated alternate.

3.4.6 If there is any question regarding the authenticity of the notification, request a verification call-back from the organization or individual contacted (unless contact is via a dedicated phone line or radiotelephone).

3.4.7 Report to the Site Emergency Coordinator when all Immediate Notifications are made and verified. _____ / _____
initial time

3.5 Activate those portions of the Emergency Organization necessary to respond to the emergency (if not already activated by PEP 2.3 or 2.4).

Note: PEP-Appendix A.1 contains the Emergency Organization Team assignments.

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EMERGENCY PLAN AND PROCEDURES

VOLUME 13

EMERGENCY COMMUNICATOR

PEP - 2.6.21

REVISION 0

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
1	RTC/mo	6-14-83						

Recommend By: Doc Gainey Jr. 4/6/83
DATE

Emergency Planning Specialist

Approved By: [signature] 4/6/83
DATE

Emergency Planning Coordinator

1.0 RESPONSIBILITIES AND OBJECTIVES

1.1 The Emergency Communicator is responsible for:

1.1.1 Assisting the Emergency Coordinator in making notification to off-site agencies.

1.1.2 Contacting needed off duty personnel and requesting they report to the site or standby as conditions warrant.

1.1.3 Contacting outside emergency response agencies, if required.

1.1.4 Documenting calls on Exhibit 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government."

2.0 SCOPE AND APPLICABILITY

2.1 This procedure shall be in effect whenever an emergency is declared. The degree of implementation will vary with the level of emergency declared.

3.0 ACTIONS AND LIMITATIONS

3.1 General Requirements.

3.1.1 Report your readiness to the Site Emergency Coordinator.

3.1.2 Maintain copies of all Exhibits used.

3.1.3 Ensure proper use of communications equipment (per PEP-3.1.3 "Use of Communications Equipment").

3.1.4 Coordinate activities with other Communicators in CP&L emergency organizations.

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3.1.5 When relinquishing the role of Emergency Communicator, brief your successor on the status of the emergency and communication activities; Notify Site Emergency Coordinator that you are being retired.

3.2 Control Room Activities.

3.2.1 Transmit information on the, "Warning message: Nuclear Facility to State/Local Government," Exhibit 2.6.21-1, to those individuals and agencies on the "Immediate Notification Checklist," Exhibit PEP-2.2-2 through 2.5-2.

NOTE: State agencies must be notified within one hour for an Unusual Event and within 15 minutes from the Declaration of an Alert, Site or General Emergency.

3.2.1.1 Transmit information to State/Counties using the Bell phone system.

3.2.2 Use "Emergency Organization Notification Checklist" (Exhibit 2.2-3 through Exhibit 2.5-3) to notify required personnel (phone numbers are in Appendix A).

3.2.3 After all notifications are made and if an Alert, or higher classification has been declared, periodically monitor Plant status by filling out Exhibit 2.6.21-2, "SPDS Form" as the Plant status changes. This is to be used as a record of events once the TSC is activated.

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3.2.4 After the TSC is activated, maintain communications through the TSC Communicator by transferring SPDS information.

3.2.5 Advise all off-site agencies previously communicated with once the emergency is terminated.

3.3 Technical Support Center.

3.3.1 Upon arrival in TSC, assure the necessary personnel to perform telephone transmissions are available.

3.3.2 Establish a communication link with the Control Room for transmission of SPDS information - Exhibit 2.6.21-2.

3.3.3 Assure all off-site agencies have been notified of Plant status by the Control Room and that information is current.

3.3.4 Transmit follow-up communications on Exhibit 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government," as directed by the Site Emergency Coordinator.

3.3.4.1 Notification to State/Counties should be made using Bell phone system.

3.3.5 Maintain a record of SPDS information received for eventual transmittal to the EOF.

3.3.6 Assure a continued flow of information from the Control Room to the Status Board Plotter.

3.3.7 Notify EOF personnel to report to site if EOF is to be activated. (Phone numbers in Appendix A.)

3.4 Emergency Operations Facility.

3.4.1 Before activation of EOF, hold a briefing with TSC Communicator to determine current status of communication activities.

3.4.2 Assure the necessary personnel to make off-site notifications are available.

3.4.3 Establish a communications link with TSC and assure communications between TSC and EOF Status Board Plotters have been established.

3.4.4 After activation of EOF, transmit follow-up communications on Exhibit 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government," as directed by the Emergency Response Manager.

3.4.4.1 Notification to State/Counties should be made using the Bell phone system.

3.4.4.2 Once F.E.O.C. headquarters is established, discontinue notifications to State/Local Counties - transmit information for these agencies only to the F.E.O.C.

3.4.5 Assure a continued flow of information from the Control Room to the Status Board Plotter.

3.4.6 Advise all off-site agencies previously communicated with once emergency is terminated.

EXHIBIT 2.6.21-1

WARNING MESSAGE: NUCLEAR FACILITY TO STATE/LOCAL GOVERNMENT

Instructions:

A. For Sender:

1. Complete Part I for the Initial Warning Message.

2. Complete Part I & II for followup messages.

B. For Receiver:

1. Record the date, time and your name in the area below

2. Authenticate this message by verifying the code word or by calling back to the facility. (See Part I)

Time: _____ Date: _____

Message Received By: _____

P A R T I

1. This is: H. B. Robinson Plant
(Insert name of facility)

2. My name is: _____

3. This message (number___):

_____(a) Reports a real emergency.

_____(b) Is an exercise message.

4. My telephone number/extension is: _____

5. Message authentication: _____
(State & County Only) (Receiver verify code word or call back to the facility)

6. The class of the emergency is: _____(a) Notification of Unusual Event

_____(b) Alert

_____(c) Site Emergency

_____(d) General Emergency

EXHIBIT 2.6.21-1 (Continued)

7. This classification of emergency was declared at: _____(a.m./p.m.) on _____(da

8. The initiating event causing the emergency classification is: _____

_____

_____

9. The emergency condition:

_____(a) Does not involve the release of radioact materials from the plant.

_____(b) Involves the potential for a release, bu no release is occurring.

_____(c) Involves a release of radioactive materi

10. We recommend the following protective action:

_____(a) No protective action is recommended at this time.

_____(b) People living in zones_____remain indoors with the doors and windows closed.

_____(c) People in zones_____evacuate their homes and businesses.

_____(d) Pregnant women and children in zones_____remain indoors with the doors and windows closed.

_____(e) Pregnant women and children in zones_____evacuate to the nearest shelter/reception center.

_____(f) Other recommendations: _____

_____

11. There will be:

_____(a) A followup message

_____(b) No further communications.

12. I repeat, this message:

_____(a) Reports an actual emergency.

_____(b) Is an exercise message.

13. RELAY THIS INFORMATION TO THE PERSONS INDICATED ON YOUR ALERT PROCEDURE FOR AN INCIDENT AT A NUCLEAR FACILITY.

END OF INITIAL WARNING MESSAGE

EXHIBIT 2.6.21-1 (Continued)

P A R T I I

1. The type of actual or projected release is:

_____(a) Airborne

_____(b) Waterborne

_____(c) Surface spill

_____(d) Other

2. The source and description of the release is: _____

_____

3. _____(a) Release began/will begin at _____a.m./p.m.; time since reactor trip is _____hours.

_____(b) The estimated duration of the release is _____ hours.

4. Dose projection base data:

Radiological release: _____curies, or _____curies/sec.

Windspeed: _____mph

Wind direction: From_____°

Stability class: _____(A,B,C,D,E,F, or G)

Release height: _____Ft.

Dose conversion factor: _____R/hr/Ci/m^3 (whole body)

_____R/hr/Ci/m^3 (Child Thyroid)

Precipitation: _____

Temperature at the site: _____°F

5. Dose projections:

DOSE COMMITMENT

Distance	Whole Body Rem/hour	(Child Thyroid) Rem/hour of inhalation
Site boundary		
2 miles		
5 miles		
10 miles		

EXHIBIT 2.6.21-I (Continued)

PROJECTED INTEGRATED DOSE IN REM

Distance	Whole Body	Child Thyroid
Site boundary		
2 miles		
5 miles		
10 miles		

6. Field measurement of dose rate or contamination (if available): _____

_____

7. Emergency actions underway at the facility include: _____

_____

8. Onsite support needed from offsite organizations: _____

_____

9. Plant status:

(a) Reactor is: not tripped/tripped

(b) Plant is at: _____% power/hot shutdown/cold shutdown/cooling down

(c) Prognosis is: stable/improving/degrading/unknown

10. I repeat, this message:

_____(a) Reports an actual emergency.

_____(b) Is an exercise message.

11. Do you have any questions?

*** E N D O F F O L L O W - U P M E S S A G E ***

EXHIBIT 2.6.21-1 (Continued)

NOTE: Record the name, title, date, time, and warning point notified. (Senders) Record the name, title, date, time, and persons notified per alert procedure. (Receivers)

1. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

2. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

3. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

4. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

5. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

6. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

7. _____ (name) _____ (title)

_____ (date) _____ (time) _____ (warning point)

SYSTEM PARAMETER DATA & STATUS

Date: _____

Time: _____

Completed By: _____

PLANT STATUS (Circle)

Normal, Unusual Event, Alert Site

Emergency, General Emergency

1) PRIMARY SYSTEM

RCS Press (psig) _____
PZR Level (%) _____
Tavg (°F) _____
Loop A Th (°F) _____
Tc (°F) _____
Loop B Th (°F) _____
Tc (°F) _____
Loop C Th (°F) _____
Tc (°F) _____
Subcooling (°F) _____
Charging Flow (gpm) _____
Letdown Flow (gpm) _____
Neutron Flux (cps) _____
Activity
gross (uCi/ml) _____
I-131 (uCi/ml) _____

2) SECONDARY SYSTEM

S/G A Lev-WR (%) _____
Press (psig) _____
Feed (pph) _____
Steam (pph) _____
Activity
(uCi/ml) _____
S/G B Lev-WR (%) _____
Press (psig) _____
Feed (pph) _____
Steam (pph) _____
Activity
(uCi/ml) _____
S/G C Lev-WR (%) _____
Press (psig) _____
Feed (pph) _____
Steam (pph) _____
Activity
(uCi/ml) _____
Primary to Secondary
Leak Rate (gpm) _____

3) CONTAINMENT SYSTEM

Press (psig) _____
Temp (°F) _____
H_2 Conc (%) _____
Sump Lev (inches) _____
RWST Lev (%) _____
Spray Add Tk Lev (%) _____

4) ENVIRONMENTAL SYSTEMS

Wind Speed Upper (mph) _____
Lower (mph) _____
Wind Dir Upper (mph) _____
Lower (mph) _____
Air Temp (°F) _____
Pasquill Stab Factor _____

5) ESF SYSTEM

SI Actuated: Time _____
Reset: Time _____
CS Actuated: Time _____
Reset: Time _____
Cont Iso A Actuated: Time _____
Reset: Time _____
Cont Iso B Actuated: Time _____
Reset: Time _____
RIT TF Lev Full _____ Not Full _____
SI Hot-leg Flow (gpm) _____

6) EQUIPMENT STATUS

O-Operating, A-Available, N-Not Operati

Primary

RCP	A _____	B _____	C _____
CHG Pump	A _____	B _____	C _____
SI Pump	A _____	B _____	C _____
CS Pump	A _____	B _____	C _____
RHR Pump	A _____	B _____	C _____

MVH 1 _____ 2 _____ 3 _____ 4 _____

Secondary

Feed Pump	A _____	B _____
Cond Pump	A _____	B _____
AFW Motor	A _____	B _____
AFW Steam	_____	
MSIV	A _____ B _____	C _____

Electrical

Emerg D/C	A _____	B _____
D/S D/G	A _____	
Off Site Emerg Bus	E1 _____	E2 _____

Inoperable

_____
_____
_____

7) RADIATION MONITORING SYSTEM

R-1 Control Room (mr/hr) _____
R-2 Cont. Area (mr/hr) _____
R-3 Hot Lab (mr/hr) _____
R-4 Chg. Pump Rm (mr/hr) _____
R-5 Spent Fuel Pit (mr/hr) _____
R-6 Sampling Room (mr/hr) _____
R-7 In-Core Inst. Area (mr/hr) _____
R-8 Drumming Station (mr/hr) _____
R-9 Failed Fuel (mr/hr) _____
R-11 CV Vent Part (cpm) _____
R-12 CV Vent Gas (cpm) _____
R-14 Plant Gas (cpm) _____
R-15 Cond. Air Ejector (cpm) _____
R-16 CV Fan C.W. (cpm) _____
R-17 Comp. C.W. (cpm) _____
R-18 Waste Disposal (cpm) _____
R-19 S/G Blowdown (cpm) _____
R-20 Fuel Handling - Base (cpm) _____
R-21 Fuel Handling - Upper (cpm) _____
R-30 High Range (mr/hr) _____
R-31A "A" Main Steam (mr/hr) _____
R-31B "B" Main Steam (mr/hr) _____
R-31C "C" Main Steam (mr/hr) _____
R-32A CV High Range (R/hr) _____
R-32B CV High Range (R/hr) _____
R-33 Monitor Building (mr/hr) _____
R-34 PINC-2A (mr/hr) _____
R-35 Plant Vent Gas (mid) _____
R-36 Plant Vent Gas (Hi) _____

8) ADDITIONAL INFORMATION

_____
_____
_____
_____
_____

COMMUNICATOR RESPONSIBILITIES

	TSC AND EOF NOT MANNED	TSC MANNED	EOF MANNED
CONTROL ROOM	RESPONSIBLE FOR ALL COMMUNICATIONS ON-SITE AND OFF-SITE. NOTIFICATIONS AND INFORMATION	RESPONSIBLE FOR DATA FLOW TO TSC (1)	RESPONSIBLE FOR DATA FLOW TO TSC
TSC	_____	RESPONSIBLE FOR OFF-SITE NOTIFICATIONS AND ON-SITE INFORMATION FLOW	RESPONSIBLE FOR DATA FLOW TO EOF AND ON-SITE INFORMATION FLOW
EOF	_____	_____	RESPONSIBLE FOR OFF-SITE NOTIFICATIONS (2)

NOTE 1: COMMUNICATOR DUTIES TO BE ASSUMED WHEN READY AND WITH APPROVAL OF THE SITE EMERGENCY COORDINATOR.

NOTE 2: COMMUNICATOR DUTIES TO BE ASSUMED WHEN READY AND WITH APPROVAL OF THE RECOVERY MANAGER.

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H. B. ROBINSON

SEG PLANT

TITLE

EMERGENCY PLAN AND PROCEDURES

VOLUME 13

PERFORMANCE OF TRAINING, EXERCISES AND DRILLS

PEP-4.3

REVISION 4

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
5	RTC / mrs	12-3-82						
6	RTC / mrs	5-9-83						
7	RTC / mrs	6-14-83						

Recommend By: T F Immel — Emergency Planning Coordinator — 7-1-2 DATE

Approved By: W S Hartley Jr — Plant General Manager — 7/7/82 DATE

their radiological emergency plans which shall include procedures for notification, basic radiation protection, and expected support to be supplied.

Access procedures for organizations that may be required to enter the site shall be included in the training as well as the position and title of the person(s) at the H. B. Robinson facility who will coordinate and control the organization's support activities.

Further training shall be accomplished by the involvement of the organization in exercises conducted at the site.

3.1.15 Instructor's Qualifications for the Radiological Emergency Plan and PEPs.

3.1.15.1 The Emergency Planning Coordinator shall be considered a qualified instructor based on continued involvement and awareness of emergency planning regulations and Radiological Emergency Plan and PEP development.

3.1.15.2 The Training Supervisor shall receive his initial and subsequent annual instructions and qualification from the Emergency Planning Coordinator.

3.1.15.3 Specialists and/or consultants may be approved as qualified instructors by the Emergency Planning Coordinator.

3.1.15.4 Emergency Team Leaders/Directors (e.g., Site Emergency Coordinator, Radiological Control Director, Personnel Protection and Decontamination Team Leader, and alternates) shall be designated and receive their initial and subsequent qualification from the Supervisor of Functional Activity or his qualified designee.

3.2 Drills

3.2.1 Emergency drills are supervised instruction periods aimed at testing, developing, and maintaining skills in a particular operation. Robinson Plant emergency personnel will participate in periodic drills, in addition to an annual exercise, to test their skills as follows:

3.2.1.1 Communications Drills: Communications with state and local governments within the plume exposure pathway Emergency Planning Zone shall be tested monthly. Communications with federal emergency response organizations and states within the ingestion pathway shall be tested quarterly. Communications between the nuclear facility, state and local emergency operations centers, and field assessment teams shall be listed annually. Communications drills shall also include the aspect of understanding the content of messages, by using EXHIBIT 2.6.21-1 of PEP-2.6.21, "Emergency Communicator."

CP&L

H. B. ROBINSON

SEG PLANT

TITLE

EMERGENCY PLAN AND PROCEDURES

VOLUME 13

EMERGENCY CONTROL - UNUSUAL EVENT

PEP-2.2

REVISION 4

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
5	RTC 1 mo	10-11-82						
6	RTC / mo	4-15-83						
7	RTC / mo	6-14-83						

Recommend By: _____ 7-1-2
Emergency Planning Coordinator — DATE

Approved By: _____ 7/2/82
Plant General Manager — DATE

Emergency Control procedure is implemented, or 2) the emergency is terminated. The Site Emergency Coordinator may delegate his supervisory duties to another qualified individual, if he so chooses. However, he may not delegate the responsibility of declaring the emergency terminated.

3.0 Actions (Suggestion - Document Completion of Starred (*) Items in the Shift Foreman's Log)

*3.1 Declare an "Unusual Event." Clear the communications channels of all non-emergency use.

Note: If necessary, based on the effects of initiating conditions outside the Control Room, sound the Local Evacuation Alarm for 15 seconds and announce "Unusual Event caused by (state plant conditions and any specific safety instructions)". If the specific safety instructions include the evacuation of personnel from a plant location, recommend evacuation routes from plant area to the assembly area, also;

3.1.1 Implement Section 3.1 of PEP-3.8.1, "Evacuation."

3.1.2 Implement Section 3.1 of PEP-3.8.2, "Personnel Accountability."

3.1.3 Repeat all of Step 3.1.

3.2 Complete and approve for release EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government." (Exhibit is in PEP-2.6.21, "Emergency Communicator".)

3.3 Direct Emergency Communicator to transmit the information on EXHIBIT 2.6.21-1, "Warning Message: Nuclear Facility to State/Local Government to those persons and agencies identified in EXHIBIT 2.2-1, "Immediate Notification Checklist for an Unusual Event."

Note: The Emergency Communicator shall perform Steps 3.3.1 through 3.3.5. The NRC notification of Step 3.3 must be completed within 60 minutes from the time recorded in Step 3.1 above. All other notifications may be made during normal business hours.

3.3.1 Utilize EXHIBIT 2.2-1, "Immediate Notification Checklist for an Unusual Event," to determine which organizations and individuals must be contacted. Request information from the Site Emergency Coordinator regarding which of the optional contacts should be made.

3.3.2 Contact the organizations and individuals as indicated in EXHIBIT 2.2-1.

Note: The proper telephone numbers and the specific individuals (including titles and alternates) to be contacted for each organization are contained in PEP-Appendix A, which shall be used in conjunction with this procedure. Unit 2 operating supervisor shall also be contacted.