

CAROLINA POWER & LIGHT COMPANY
BRUNSWICK STEAM ELECTRIC PLANT

UNIT 0

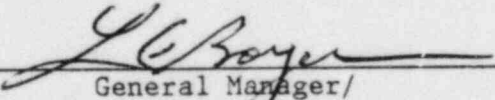
EMERGENCY FACILITIES AND EQUIPMENT

PLANT EMERGENCY PROCEDURE PEP-04.2

VOLUME XIII

Rev. 004

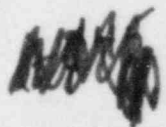
Approved By:


General Manager/
Director - Administrative Support

Date:

5/9/85

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LIST OF EFFECTIVE PAGES

PEP-04.2

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1.0 Responsible Individuals and Objectives

The Emergency Planning Coordinator is responsible to the plant General Manager for assuring that site emergency facilities (Technical Support Center, Emergency Operations Facility, and Operational Support Center) and equipment (other than fire fighting facilities and equipment) are adequate for providing organized coordination and control of on-site and off-site activities during an emergency.

2.0 Scope and Applicability

Emergency facilities and equipment shall be maintained and kept operational with inventories kept current and available upon need.

3.0 Actions and Limitations

3.1 The Emergency Planning Coordinator shall:

3.1.1 Maintain an ongoing up-to-date copy of PEP-Appendix A for the following emergency facilities:

3.1.1.1 Control Room

3.1.1.2 Technical Support Center

3.1.1.3 Operational Support Center

3.1.1.4 Emergency Operations Facility

3.1.2 Prepare and forward to the State of North Carolina an annual report certifying the successful testing of the Early Warning System sirens in the area of the plant.

3.1.3 Ensure that the monthly, quarterly, and annual tests of the communications systems are performed.

3.2 The Transmission Substation Maintenance Superintendent - Wilmington Section - shall perform maintenance, testing, and reporting of results on the Early Warning System sirens.

3.2.1 The Superintendent will forward all records of the monthly, quarterly, and annual tests to the Emergency Planning Specialist - Brunswick plant.

3.3 Inventory and calibration of radiological equipment and supplies shall be performed in accordance with PEP-04.6.

3.4 Operations, testing, and calibration of the following systems shall be performed in accordance with existing Brunswick procedures:

3.4.1 Geophysical phenomena monitors

3.4.2 Process monitors

3.4.3 Fire detection system

- 3.5 The Site Public Information Coordinator or his alternate shall supervise setting up the plant Media Center assuring that adequate furniture, telephones, equipment, and supplies are available to the Site Media Team.

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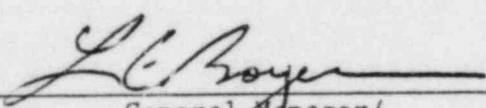
USE OF COMMUNICATIONS EQUIPMENT

PLANT EMERGENCY PROCEDURE: PEP-03.1.3

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1.0 Responsible Individuals and Objectives

Each member of the emergency organization who uses the communications equipment is responsible for properly using the equipment.

2.0 Scope and Applicability

This procedure shall be utilized by any user of the communications equipment who, in his own judgment, is unsure of the operations of such equipment. This procedure may also be implemented at the discretion of the Site Emergency Coordinator, as well as any Emergency Director, or any Emergency Team Leader if they judge that a user (under their supervision) is not properly using a communications device.

3.0 Communications Systems and Special Instructions

3.1 The following communications systems are available for use during an emergency:

- 3.1.1 Plant Page System
- 3.1.2 PBX Telephone System
- 3.1.3 Radio Transceivers
- 3.1.4 Emergency Radio System
- 3.1.5 Emergency Telephone System
- 3.1.6 NRC Emergency Notification System (first priority for contacting NRC)

3.2 Radio Tranceivers for Brunswick and Vicinity

Commercial two-way radio transceivers are used for point-to-point communications in the plant vicinity. Control stations are located in the Technical Support Center and Emergency Operations Facility to talk with mobile and portable units.

3.2.1 Using a Two-way Radio

3.2.1.1 Introduction

A radio transceiver requires good operating techniques and consideration for other users. Quick and precise transmissions will enable the system to be used efficiently and effectively by all. This is vital during emergencies. Carolina Power & Light is licensed by the Federal Communications Commission (F.C.C.) to transmit only those messages that are essential to the efficient conduct of the Company's business.

3.2.1.2 Definitions

Base Station. A transmitter-receiver station intended for operation at a permanent location.

Mobile Unit. A radio transceiver unit intended to be used while in motion or during halts at specified points. This includes pack and hand carried units as well as those installed in vehicles.

Radio Operator. Any person authorized by the Company to operate a radio transceiver.

3.2.1.3 Microphone Procedure

A transmission is generated by pressing the transmit button on the side of the portable unit or on the microphone.

Every operator should be aware that the microphone button may be accidentally depressed, thereby keying the transmitter. In this condition every spoken word intentional or otherwise will be transmitted over the air. Be suspicious if everything becomes quiet. Check the red transmit light on mobile units frequently. There is no way for the base station to detect which transmitter is keyed in a large mobile net. Accidental keying of the mobile portable unit can severely disrupt the overall net operations and make communications very difficult.

3.2.1.4 Authorization to Use Radio

No person shall operate a Base Station or Mobile Unit Transmitter unless he is so authorized by the Company and only after instruction and examination in these Operating Instructions.

3.2.1.5 Authorized Messages

- 1) Messages dealing with safety of personnel or the protection of property.
- 2) Messages for the performance of work-related matters.

and closes rapidly, chopping up the incoming signal. To correct this, open the squelch manually. When through talking to a weak station, turn the squelch back until the noise ceases. Reduction of volume at this point may improve your reception.

- 8) On all units having the dual channel feature, the operating frequency is controlled by either a two- or four-frequency selector control. When you transmit, your switch must be turned to the correct channel.

3.3 Emergency Phone System

3.3.1 The Brunswick emergency telephone system consists of dedicated lines between facilities at Brunswick and other CP&L emergency facilities. These lines are operated through a computerized branch exchange (Rolm CBX) independent of the plant system.

3.3.2 The TSC, OSC, EOF, and Control Room have phones which operate through this system.

3.3.3 The following features are used on the Rolm phones:

3.3.3.1 Volume Control. The adjustment for ringing is on the bottom of the phone. The adjustment for voice volume is on the phone face--arrows indicate up or down.

3.3.3.2 Handset. Magnetic off-hook feature (speaker phone capability).

3.3.3.3 Line Buttons. Indication lamps--bottom left button is the primary number.

3.3.3.4 Key Pad. This is standard but can be used to access features of Rolm System.

3.3.3.5 Speaker Phone. By the line key or feature button. This should be used sparingly.

3.3.3.6 Flash Button. Same as hook switch on normal phone--used to access features.

3.3.3.7 Transfer Button. Allows call to be transferred to another extension. Press Transfer button, dial extension, announce caller, and hang up.

- 3.3.3.8 Connect Button. Allows acceptance of camped on call or reconnection to transferred party. Allows alternating between active call and transferred call.
- 3.3.3.9 Hold. This button allows you to put a call on hold while you attend to another matter. Inform the calling party you are going to put him on hold, press the Hold button, and hang up. To reconnect to the party on hold, press the line button of call on hold and pick up the receiver.
- 3.3.3.10 Save/Repeat Button. Allows a number to be saved and redialed by pressing two buttons. Only one number can be saved. To save, push Save button; to repeat, push Repeat button. You must remember on which line call was saved.
- 3.3.3.11 Call Forwarding. Allows your number to be forwarded to another extension. Press Forward, dial extension number to be forwarded to, and hang up. Your light will flash to indicate your extension has been forwarded. To cancel, press Forward and hang up.
- 3.3.3.12 Call-Back Camp-On. After busy signal, press Camp and hang up. When desired extension is free, you will receive two long rings. When you pick up, desired extension will ring. To cancel, press Camp and hang up.
- 3.3.3.13 Conference Calls. Up to eight parties can be included on one conference--two of which can be outside numbers. To set up a conference call: Dial first party and establish contact; inform party that you are setting up a conference call; then press Flash button. Dial the next number; establish contact with second party, informing him that this is a conference call; then press Conference button and the three parties will be connected together. To add additional parties, follow the same procedure.
- 3.3.3.14 Mute. The Mute button will disconnect the speaker (transmitter) portion of your handset to allow you to talk without the called party hearing your conversation.
- 3.3.3.15 Buzz. This button rings the operator.

- 3.3.3.16 Privacy. This button eliminates someone with the same extension appearing on his phone from entering your call. Only the console operator can override this feature. To set up a private call, wait until you get dial tone, press Privacy button then dial number. If a call is in progress, simply press Privacy button.
- 3.3.3.17 Do Not Disturb. This button allows you to block incoming calls to your extension. To activate Do Not Disturb, get dial tone, press Do Not Disturb button, and hang up. To cancel, get dial tone, press Do Not Disturb button, and hang up.
- 3.3.3.18 Call Pick Up. This feature allows you to answer a call to any extension providing you know the extension number. To use Call Pick Up, get dial tone, press Pick Up button, and dial the number of the ringing extension.
- 3.3.3.19 Station Speed Calling. This feature allows you to store up to 10 frequently called numbers in memory. A speed dial digit must be assigned to each of the numbers to be stored in order that they can be dialed by two key stroke action. To enter the 10 numbers in memory, press the Station Speed button two times, select a speed dial digit from 0 to 9, key in the number to be stored, and hang up. Repeat for each number to be stored. To dial a speed dial number which has been stored, get dial tone, press Station Speed button, and the single digit assigned to the number called. To reassign station speed numbers, repeat the same process with which you initially assigned number.
- 3.3.3.20 Intercom/Voice Dial Feature. This allows a party to dial an extension and utilize the speaker phone on that extension for an intercom system.

3.4 Off-Site Communication

Interconnected through the plant PBX, the corporate telephone system provides a means to communicate with any other corporate locations with which the plant has a need to communicate. Transmission facilities for this system are microwave frequencies.

3.4.1 Southern Bell Lines

Southern Bell lines, which supply public telephone communications, are employed by CP&L in three ways:
(1) tie-ins through the PBX to any plant location,
(2) lines to plant emergency facilities, and (3) lines to the plant Media Center for public information purposes.

To access:

Outside line dial	9
Direct line to HE&EC	8-772 + extension
Direct line to Harris Plant	8-751 + extension
Direct line to Robinson dial	8-450 + extension
Direct line to CP&L Raleigh dial	8-770 + extension
Plant Media Center dial	2418
Plant operator dial	0

3.4.2 Dedicated Telephone System to Load Dispatcher

This system provides direct links between the Control Room and the load dispatcher. Transmission facilities are microwave radios. These lines appear on several phones in the Control Room and are selected by pushing the appropriate button on a multibutton phone. The lines are automatically rung at the load dispatcher identifying Brunswick as the caller.

To use, push the appropriate button and pick up the handset.

Communications Log

Location: _____
Date: _____

[illegible]

CAROLINA POWER & LIGHT COMPANY
BRUNSWICK STEAM ELECTRIC PLANT

UNIT 0

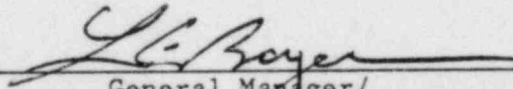
EMERGENCY COMMUNICATOR

PLANT EMERGENCY PROCEDURE: PEP-02.6.21

VOLUME XIII

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Approved By:



General Manager/

Director - Administrative Support

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1.0 Responsibilities

1.1 The Emergency Communicator is responsible for:

- 1.1.1 Assisting in making notifications to off-site agencies.
- 1.1.2 Contacting off-duty personnel and requesting they report to the site or stand by as conditions warrant.
- 1.1.3 Contacting outside emergency response agencies, if required.
- 1.1.4 Documenting communications.

2.0 Applicability

This procedure shall be implemented whenever one of the four emergency classifications is declared. The degree of implementation will vary with the level of emergency.

3.0 Actions

3.1 General Requirements for Control Room, TSC, and EOF

- 3.1.1 Maintain copies of all exhibits and forms used.
- 3.1.2 Ensure proper use of communications equipment.

NOTE: Exhibit 2.6.21-6 contains information on use of the VHF radio in the TSC/EOF for contacting the counties.

- 3.1.2.1 In the event telephone communications are unavailable with the Warning Points, use either the security radio in the Control Room or the VHF radios in the TSC (Room 139) or EOF (Rooms 126 and 137) to contact the Brunswick County and New Hanover County Warning Points.
- 3.1.2.2 If radio communication is used to Brunswick County only, via security radio, request they relay the information to New Hanover County and the State Warning Points.
- 3.1.3 Coordinate activities with other communicators in CP&L Emergency Organization.
- 3.1.4 Authenticator code words are found in selected copies of PEPs in the Control Room, TSC, and EOF.

3.1.5 Record on Exhibit 2.6.21-5 any questions Warning Points may have in addition to the information on the Warning Message.

3.1.5.1 After all notifications have been made and as time permits, collect answers to these questions and transmit to Warning Points.

3.1.6 Notify Security if fire or rescue assistance has been requested to report to the site.

3.1.6.1 If the rescue squad is called to aid a contaminated injured individual, be sure to notify Doshier Hospital to prepare for the receipt of a contaminated patient.

3.1.6.2 If a contaminated patient is to be sent to Doshier Hospital, notify E&RC to provide health physics coverage for the hospital.

CAUTION: IF THE EMERGENCY IS TERMINATED OR RECLASSIFIED BEFORE ALL CONTACTS HAVE BEEN MADE, INDICATE THE HIGHEST CLASS ATTAINED AND THEN GIVE CURRENT STATUS AND WHEN IT WAS ACHIEVED. DO NOT CONTINUE WITH AN OUTDATED CLASSIFICATION.

3.1.7 When relinquishing the role of Emergency Communicator, brief your successor on the status of the emergency and communications activities.

3.2 Control Room Activities

3.2.1 If not already completed, fill out and have approved, Exhibit 2.6.21-1, Warning Message: Nuclear Facility to State/Local Government.

NOTE: If Control Room is being evacuated, start with Step 3.2.2. If notifications are made from Control Room, go to Step 3.2.3.

3.2.2 In the event of a Control Room evacuation, Room 143B in the Training Building has telephones which can be used to make off-site notifications. See Exhibit 2.6.21-7 for locations of telephones and jacks.

3.2.2.1 Take the Automatic Ring Down (ARD) phone to the Warning Points from Room 143B and plug it into jack 14C in Room 143A.

3.2.2.2 The two Rolm phones stored with the ARD can be plugged into jacks 15D and 16C in Room 143A. The phones and jacks are marked with the correct jack number.

- 3.2.2.3 Authenticator code words are in the PEPs, marked Emergency Communicator, on the bookshelf in 143B.
- 3.2.2.4 A copy of the On-Call Managers Roster is kept at the switchboard in the Administration Building. To call the operator from a Rolm Extension (4XXX), dial 83, then 0, or dial 0 on the plant extension (2XXX).
- 3.2.3 State and local governments should be contacted within 15 minutes from the declaration of an Unusual Event, Alert, Site, or General Emergency as long as notification process does not jeopardize any individual's action to mitigate the consequences of the emergency.
- 3.2.4 Transmit information on Exhibit 2.6.21-1 to those agencies and individuals listed in Exhibit 2.6.21-2.

NOTE: If the ARD is not working, use regular Southern Bell numbers listed.
- 3.2.5 Use the ARD phone to call the State and two County Warning Points.
 - 3.2.5.1 Pick up the ARD phone which will cause the phone to ring simultaneously at the State and two County Warning Points.
 - 3.2.5.2 As each Warning Point picks up, notify them that you are calling from the Brunswick plant and to stand by.
 - 3.2.5.3 When each Warning Point has come on line, ask the State, Brunswick County, and New Hanover County to give their names. Record the names and time on Exhibit 2.6.21-2.
 - 3.2.5.4 If any Warning Point did not respond, continue with the notification and try again on an individual Bell line.
 - 3.2.5.5 Inform each Warning Point to get a copy of the Warning Message: Nuclear Facility to State/Local Government form (Exhibit 2.6.21-1).

NOTE: Request State Warning Point to supply the verification number for all three Warning Points.

The code words are in selected copies of PEPs in the Control Room, TSC, and EOF.

- 3.2.5.6 Read the notification identifying each line by number.
- 3.2.5.7 After notification has been completed, request the State Warning Point to read back the notification and, if necessary, correct any errors.
- 3.2.5.8 Direct the Warning Points to notify the appropriate personnel in their emergency response organization.
- 3.2.6 Continue with notifications on Exhibit 2.6.21-2. If an individual or agency does not have the notification form, notify them of plant conditions.
- 3.2.7 If requested by the Site Emergency Coordinator, contact the plant personnel listed in Exhibit 2.6.21-3.

NOTE: For an Unusual Event, Exhibit 2.6.21-4 is optional at the request of the Site Emergency Coordinator. For an Alert or higher classification, fill out the information on Exhibit 2.6.21-4 as directed by the Site Emergency Coordinator or the Technical Support Center.

- 3.2.8 After all initial notifications are made, fill out Exhibit 2.6.21-4, SPDS Information, as plant conditions change or as often as directed.
- 3.2.9 If the TSC is activated, maintain contact through the TSC communicators to transfer Safety Parameter Display System (SPDS) information.
- 3.2.10 Advise all previously contacted off-site agencies when the emergency is terminated.

3.3 TSC Activities

- 3.3.1 When reporting to the TSC, ensure that the personnel necessary to perform the communications activities (status board plotter and phone talkers) have been requested to also report in.

3.3.2 Contact the communicator in the Control Room and verify that all appropriate off-site agencies have been notified.

3.3.2.1 If all agencies have not yet been reached, allow the Control Room communicator to finish the notifications before beginning communications in the TSC.

3.3.3 Ensure that a communication link between the Control Room and the TSC has been established for the transmittal of SPDS information.

3.3.3.1 The Plant Operations Director should appoint an individual to receive SPDS information in the TSC.

3.3.3.2 The status board plotter should use this information to keep the SPDS boards current.

NOTE: Additional copies of the SPDS sheets are stored in Room 141.

3.3.4 Maintain copies of Exhibit 2.6.21-4 for transfer to the EOF.

3.3.5 After the TSC is activated, continue to fill out Exhibit 2.6.21-1 when conditions change sufficiently to require notification to State and County Warning Points.

NOTE: Notification of an upgrading of the emergency status should be made within 15 minutes of the declaration of the emergency class or as soon as practical afterwards.

3.3.6 After approval of Exhibit 2.6.21-1, have phone talkers transmit this information to the appropriate Warning Points using the ARD, if operable.

3.3.6.1 Instruct them to follow the method in Section 3.2.4 of this procedure.

3.3.7 Continue to monitor flow of information from Control Room to TSC Operations communicator to status board plotter and from phone talkers to Warning Points.

3.3.8 Notify EOF status plotter to report to EOF to begin maintaining status boards.

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

- 3.3.10 Advise all off-site agencies once emergency is terminated.

3.4 EOF Activities

- 3.4.1 Ensure the necessary personnel to perform communications activities are available (status board plotter and phone talkers).
- 3.4.2 Verify with the TSC communicator that appropriate off-site agencies have been contacted.

- 3.4.2.1 If all agencies have not been contacted, allow TSC to finish current notifications before beginning communications from the EOF.

NOTE: Additional SPDS sheets for status plotter are stored in Room 121.

- 3.4.3 Establish a communications link with the TSC, EOF, and CEOC Status Board Plotters.

NOTE: Notification of an upgrading of the emergency status should be made within 15 minutes of the declaration of the emergency class or as soon as practical afterwards.

- 3.4.4 Verify the ARD phone between the State Emergency Response Team (SERT) Headquarters and the Emergency Response Manager is operational after SERT is activated.

- 3.4.4.1 Notify the Logistic Support Director in the TSC if it is not.

- 3.4.5 After activation of the SERT Headquarters, information between the EOF and SERT will be by ARD.

- 3.4.5.1 Once SERT Headquarters is established, discontinue notifications to State and County Warning Points and to the Coast Guard. SERT Headquarters will make these notifications.

- 3.4.6 Coordinate the flow of information between the EOF, TSC, and CEOC, and the EOF and SERT Headquarters.

- 3.4.7 Advise off-site agencies previously notified once the 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 and II for follow-up messages.
3. When the event is terminated, return this form to the Director - Administrative Support.
4. Have message form approved before beginning notifications.

Approved _____ Date _____

PART I

1. This is Brunswick Steam Electric Plant.
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: _____
(Verify code word or call back to the facility.)
6. The class of emergency is:
____ (a) Notification of Unusual Event
____ (b) Alert
____ (c) Site Emergency
____ (d) General Emergency
7. This classification of emergency was declared at _____ (a.m./p.m.) on _____ (date).
8. The initiating event causing the Emergency Classification is:

EXHIBIT 2.6.21-1 (Cont'd)

9. The emergency condition:

- _____ (a) Does not involve the release of radioactive materials from the plant.
- _____ (b) Involves the potential for a release, but no release is occurring.
- _____ (c) Involves a release of radioactive material.

NOTE: For a General Emergency, 10a cannot be used; refer to PEP-02.5, Exhibit 2.5-4, for protective action recommendations.

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 follow-up 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 (Cont'd)

PART II

1. The type of actual or projected release is (select one or more):
 _____ (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 2.6.21-1 (Cont'd)

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. On-site support needed from off-site organizations: _____

9. Plant status:
- (a) Reactor is: not trapped/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?

END OF FOLLOW-UP MESSAGE

EXHIBIT 2.6.21-1 (Cont'd)

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)

END OF FOLLOW-UP MESSAGE

-NOTE-

WHEN THE EVENT IS TERMINATED RETURN THIS FORM TO THE
DIRECTOR - ADMINISTRATIVE SUPPORT

EXHIBIT 2.6.21-2
IMMEDIATE NOTIFICATION CHECKLIST

Instructions:

- 1) The sequence of notification priority is shown on the chart below.
- 2) If no telephone communications exist with the Warning Points, use the security radio in the Control Room or the VHF State frequency radio (Exhibit 2.6.21-6) in the TSC (Room 139) or EOF (Rooms 126 and 137) to contact the Brunswick County and New Hanover County Warning Points.
- 3) If radio communication is used to Brunswick County only, via security radio, request they relay the information to New Hanover County and the State Warning Point.
- 4) Notification of the organization/individual should be made within the time indicated as long as this does not jeopardize any individual's actions to mitigate the consequences of the emergency.

CONTACT TIME	ORGANIZATION/INDIVIDUAL TO BE CONTACTED	PERSON CONTACTED	TIME CONTACTED
15 min	Brunswick County Warning Point (ARD or 457-5101 or 253-4321) (or radio, Steps 2 and 3 above)		
15 min	New Hanover County Warning Point (ARD or 762-5228 or 343-0411) (or radio, Steps 2 and 3 above)		
15 min	State Warning Point (ARD or 733-3861 or 733-2642)		
15 min	SERT Headquarters (if activated after Site or General Emergency) (ARD or 762-8505)		
60 min	U.S. Coast Guard (343-4567 or 343-4895)		
60 min	U.S. Nuclear Regulatory Commission (Red Phone or 202-951-0550)		
60 min	VP - Brunswick Nuclear Project (Home - 278-3549 or Appendix A) (Emergency Response Manager)		
	NRC Resident Inspector		
	INPO (For an Alert or higher class) (404-953-0904)		

EXHIBIT 2.6.21-3
EMERGENCY ORGANIZATION NOTIFICATION CHECKLIST
Refer to PEP Appendix A for Phone Numbers

EMERGENCY ORGANIZATION POSITION	Key Personnel Called to			
	Stand By (✓)	Activate (✓)	Person Contacted	Time Contacted
Primary Site Emergency Coordinator	UE	A,SE,GE		
Primary Emergency Communicator	UE	A,SE,GE		
Plant Operations Director	UE	A,SE,GE		
Emergency Repair Director	UE	A,SE,GE		
Logistics Support Director	UE	A,SE,GE		
Radiological Control Director	UE	A,SE,GE		
Technical Assessment Director	UE	A,SE,GE		
Environmental Monitoring Team Leader		A,SE,GE		
Plant Sampling and Analysis Team Leader		A,SE,GE		
Plant Monitoring Team Leader		A,SE,GE		
Personnel Protection and Decontamination Team Leader		A,SE,GE		
Dose Projection Team Leader		A,SE,GE		
Emergency Security Team Leader		A,SE,GE		
Damage Control Team Leader		A,SE,GE		
Operational Support Center Leader		A,SE,GE		
Accident Assessment Team Leader		A,SE,GE		
OTHER PERSONNEL		UE: Unusual Event A: Alert SE: Site Emergency GE: General Emergency		
Name	Emergency Assignment			

EXHIBIT 2.6.21-4
SAFETY PARAMETER DISPLAY SYSTEM (UNIT ____)

Operable Inoperable Standby Running Yes No

Time							
Reactor Pressure (psig)							
Reactor Level (in.)							
Total Feedwater Flow (x10 ⁶ lbs/hr)							
Condensate Available							
ATWS (Failure to Scram)							
APRM %							
IRM							
SRM							
SLC Injecting							
Suppression Pool Temp (°F)							
Suppression Pool Level							
Drywell Pressure (psig)							
Drywell Temp (°F)							
HPCI Status							
RCIC Status							
CRD Status							
RHR "A" Flow							
"B" Flow							
Core Spray "A" Flow							
"B" Flow							
Off-Site Power Available							
Diesel Gen Status No. 1							
No. 2							
No. 3							
No. 4							

EXHIBIT 2.6.21-4 (Cont'd)

Main Stack Gas Monitor ($\mu\text{Ci/sec}$)							
Main Stack Flow Rate (scfm)							
Drywell High Rad Monitor (R/hr)							
D22-RM-4195 ~ 30 ft el.							
D22-RM-4196 ~ 57 ft el.							
D22-RM-4197 ~ 23 ft el.							
D22-RM-4198 ~ 57 ft el.							
Area Monitors (mR/hr)							
Rx. Bldg. 20-ft Airlock							
Rx. Bldg. 50-ft Sample Station							
Rx. Bldg. 50-ft Airlock							
Rx. Bldg North of Fuel Pool							
Between Fuel Pool and Drywell							
Turbine Bldg Sample Station							

EXHIBIT 2.6.21-4 (Cont'd)

THESE MONITOR READINGS WILL BE RECORDED ON REQUEST

Time					
SJAE Rad Monitor (mR/hr)					
Channel A					
Channel B					
AOG Noble Gas Monitor (μ Ci/sec)					
AOG System Flow (scfm)					
Rx Bldg. Roof Vent Rad Monitor					
Particulate (cpm)					
Iodine (cpm)					
Noble Gas (cpm)					
Rx Bldg. Roof Vent Flow (scfm)					
Rx Bldg. Ventilation Rad Monitor (mR/hr)					
Standby Gas Treatment Flow A					
Flow B					
Rx Bldg. Negative Press (in. water vac)					
Drywell Containment Atmosphere					
CAC 1260					
1261					
1262					
Turbine Bldg. Roof Vent Rad Monitor (μ Ci/sec)					
Turbine Bldg. Roof Vent Flow Rate (scfm)					
Service Water Rad Monitor (cps)					

EXHIBIT 2.6.21-5

[illegible]

EXHIBIT 2.6.21-6
USE OF VHF STATE FREQUENCY RADIOS

1.0 Room 137 in the EOF contains the VHF base station radio.

1.1 This radio can be used to contact the Brunswick and New Hanover County Warning Points in the event of total telephone failure.

1.2 The radio is a General Electric Executive II, located in front of the Rolm CBX II cabinets.

1.3 Frequency F3 is used to notify the Warning Points.

1.4 To use the radio, perform the following steps:

1.4.1 Depress the switch at the base of the microphone to speak and release to listen.

NOTE: Station call signs are:

KNBD416 for BSEP
KEC764 for Brunswick County
KEC476 for New Hanover County

1.4.2 Identify yourself by the station call sign and call the county Warning Points, identifying them by their call sign. (Example: "KNBD416 to KEC764 and (or) KEC476.")

1.4.3 Repeat the call until both parties respond; then proceed as you would using the ARD.

NOTE: Request one of the counties to notify the State Warning Point.

1.4.4 If only one party responds, read Exhibit 2.6.21-1 and try again later to reach the other Warning Point.

1.4.5 After the message has been given, identify yourself by the station call sign to the Warning Point call sign to end the transmission. (Example: "KNBD416 to KEC764 and KEC476. Out.")

NOTE: The remote radios work on the frequency selected on the base station radio in Room 137.

2.0 Room 126 (EOF) and Room 139 (TSC) have VHF radio remotes which can be used to notify the counties in the event of telephone failure.

2.1 The radios are stored in their respective rooms in the phone cabinets. Security has the key for the cabinets.

EXHIBIT 2.6.21-6 (Cont'd)

2.2 To use the radio, perform the following steps:

- 2.2.1 The set will be on when it is plugged in.
- 2.2.2 Depress the Monitor button and release.
- 2.2.3 Adjust the Volume control.
- 2.2.4 Momentarily depress the PTT (push to talk) button on the handset to squelch the speaker.
- 2.2.5 Press the PTT button to talk. Transmit indicator should light.

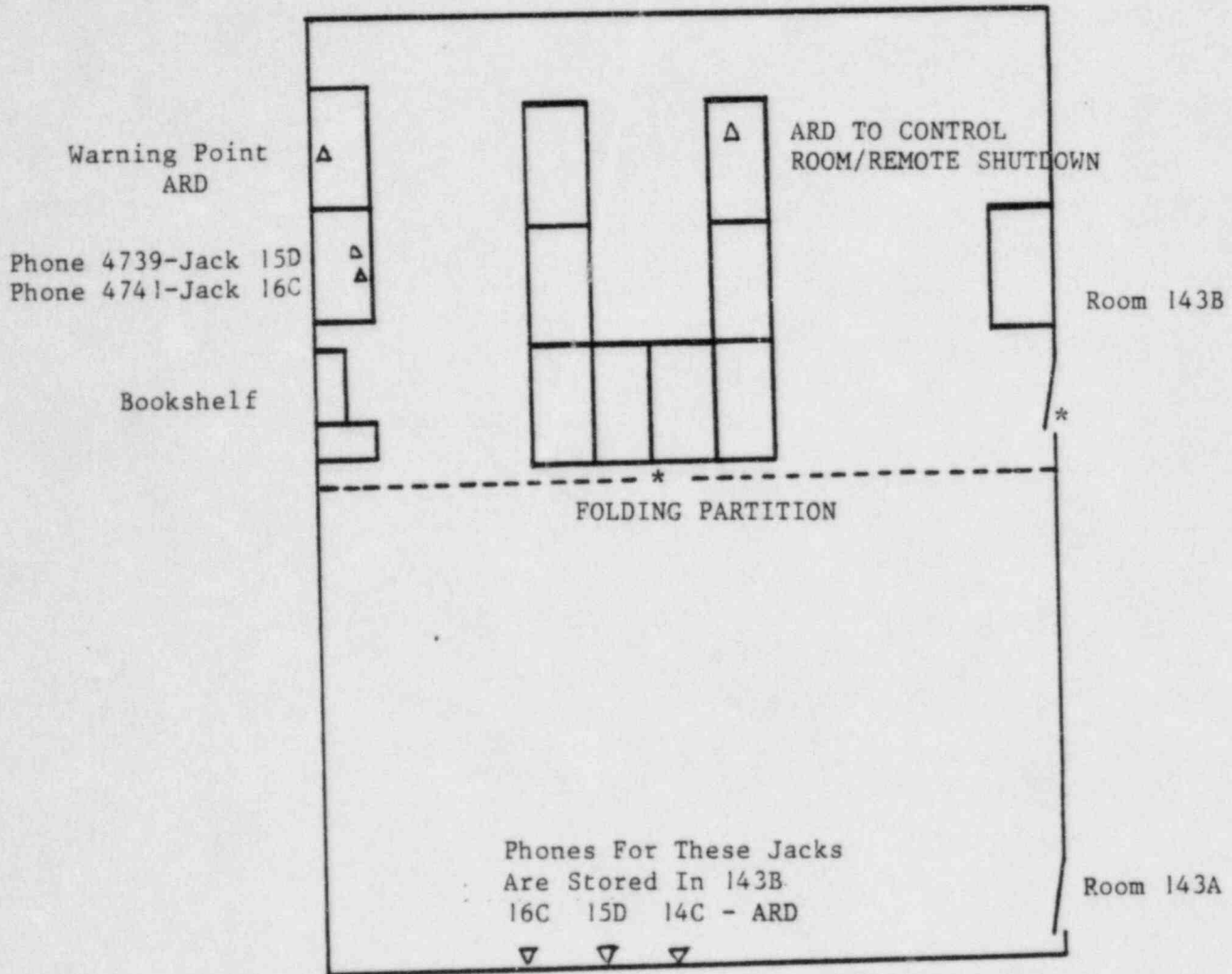
NOTE: Station call signs are:

KNBD416 for BSEP
KEC764 for Brunswick County
KEC476 for New Hanover County

- 2.2.6 State the call sign for BSEP and call each Warning Point by their call sign. (Example: "KNBD416 to KEC764 and (or) KEC476. Can you hear me?")
- 2.2.7 When both parties respond, proceed as you would using the ARD.
- 2.2.8 If only one party responds, read Exhibit 2.6.21-1 and try again later to reach the other Warning Point.
- 2.2.9 After the message has been given, identify yourself by the station call sign to the Warning Point call sign to end the transmission. (Example: "KNBD416 to KEC764 and KEC476. Out.")

EXHIBIT 2.6.21-7

APPROXIMATE FURNITURE LOCATIONS OF TSC ROOM 143B
DURING ROUTINE USE



*Key is the same for both locks

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BRUNSWICK STEAM ELECTRIC PLANT

UNIT 0

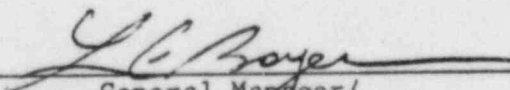
EMERGENCY RESPONSE MANAGER

PLANT EMERGENCY PROCEDURE PEP-02.6.16

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PEP-02.6.16

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NOTE: Primary and alternate positions and phone numbers for 3.4.2, 3.4.3, and 3.4.4 are listed in the Corporate Emergency Plan, CEP1P-1, stored in the bookcase in Room 121.

- 3.4.2 Corporate Emergency Operations Center
 - 3.4.3 Site Public Information Coordinator
 - 3.4.4 Corporate Spokesman
 - 3.4.5 Nuclear Regulatory Commission
 - 3.4.6 State Emergency Response Team (SERT) Director, if activated.
- 3.5 If not already done, request the Manager - Radiological and Chemical Support from the Harris Energy and Environmental Center (HEEC) to report to the site and direct the necessary resources from the HEEC to supplement the plant environmental monitoring and off-site dose projections.
- 3.6 If not already done, request activation of the plant Media Center.
- 3.7 Inform EOF Managers to arrange for continuous EOF staffing by providing two 12-hour shifts.
- 3.8 Determine need for outside agency assistance.
- 3.8.1 Fire and rescue assistance will be coordinated by the TSC and Control Room.
- 3.9 Direct the Emergency Communicator to complete Exhibit 2.6.21-1 to either give follow-up notification or notification of event termination to those agencies previously notified of the emergency.
- 3.10 When relinquishing the Emergency Response Manager position, brief your successor on the emergency status. Note completion of this step in the Emergency Response Manager's log.

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UNIT 0

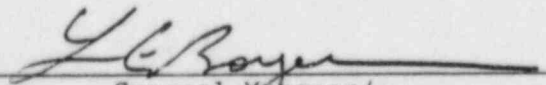
ENVIRONMENTAL MONITORING TEAM LEADER

PLANT EMERGENCY PROCEDURE: PEP-02.6.6

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1.0 Responsibilities and Objectives

The Environmental Monitoring Team Leader is responsible to the Radiological Control Director for providing technical and administrative direction to the Environmental Monitoring Team during a declared emergency. Once the Emergency Operations Facility is activated, the Environmental Monitoring Team Leader will be responsible to the Radiological Control Manager in the Emergency Operations Facility.

2.0 Scope and Applicability

This procedure shall be implemented upon activation of the Environmental Monitoring Team. The actions and responsibilities are limited to the Environmental Monitoring Team Leader and those emergency team members assigned to him.

3.0 Actions and Limitations

3.1 General Requirements

3.1.1 Report your position and readiness to the Radiological Control Director (the Radiological Control Manager after the Emergency Operations Facility is activated).

3.1.2 Announce your name and assumed position title to team members.

3.1.3 Determine need for additional equipment, supplies, and manpower and make request for same.

3.1.4 When relinquishing the Environmental Monitoring Team Leader position, brief your successor on the emergency status. Note completion of this step in your log.

3.1.5 Ensure documentation of the following:

- Communications
- Key decisions
- Data collected
- Checklists

(In accordance with PEP-04.1, Record Keeping and Documentation.)

NOTE: Exhibit 2.6.6-1 provides instructions for VHF and UHF radios.

3.1.6 Ensure proper use of communications equipment (per PEP-03.1.3, Use of Communications Equipment).

3.1.7 Ensure exposure control is in accordance with PEP-03.3.5, Emergency Radiation Work Permits (i.e., radiation work permits shall be completed).

- 3.1.8 Ensure that good communications are maintained with the Dose Projection Coordinator in order to anticipate expected conditions and verify field conditions (meteorology and dose rates).
 - 3.1.9 When the HE&EC Environmental Monitoring Teams arrive and become functional, plant personnel involved in off-site monitoring can be released for support of on-site efforts as necessary.
 - 3.1.10 Each siren in the ten-mile EPZ is equipped with electrical outlets which can be used for running environmental air samplers. (These sirens are also individually numbered which allows them to be used as reference points.)
 - 3.1.11 If requested, state monitoring teams should be briefed regarding environmental conditions found prior to their activation.
- 3.2 Assign personnel to perform environmental monitoring procedures as directed by the Radiological Control Director (the Radiological Control Manager after the Emergency Operations Facility is activated).

Priorities for assignments will depend on plant conditions; the following order for priority of assignments is provided as a guide:

- 3.2.1 Dose confirmation (PEP-03.5.1, Confirmation of Off-Site Dose Projections). (Interface with the Dose Projection Coordinator.)
 - 3.2.2 Off-site monitoring (PEP-03.5.2, Expanded Environmental Monitoring; PEP-03.5.3, Plume Tracking by Actual Measurement).
 - 3.2.3 Other missions as required (interface with Personnel Protection and Decontamination Team Leader and Plant Monitoring Team Leader).
- 3.3 Guidelines for the Environmental Monitoring Team Leader
- 3.3.1 Provide technical and administrative direction to the Environmental Monitoring Team.
 - 3.3.1.1 Record name and dosimeter serial number of each team member.
 - 3.3.2 Ensure that two Environmental Monitoring Teams are available for deployment after the TSC is activated, if conditions warrant this action.

EXHIBIT 2.6.6-1

Use of VHF and UHF Remote Radios

1.0 Room 137 in the EOF contains the VHF base station radio.

1.1 This radio can be used for the transmittal of information to the state environmental monitoring teams.

1.2 The radio is a General Electric Executive II, located in front of the Rolm CBX II cabinets.

1.3 The radio is licensed for four frequencies.

1.4 Frequency F3 is used to contact Brunswick and New Hanover Counties. The state may choose a different frequency than this when activated.

1.5 The frequency selected on the base station controls the frequencies on the remote units in Rooms 126 and 139.

1.6 To use the radio, perform the following steps:

1.6.1 Depress the switch at the base of the microphone to speak and release to listen.

1.6.2 Identify yourself by the station call sign before transmitting.

1.6.2.1 KNBD 416 is BSEP's call sign.

1.6.3 To end a transmission, repeat station call sign.

2.0 Room 126 in the EOF and Room 129 in the TSC have VHF radio remote units.

NOTE: The frequencies for the remote units are selected on the base station in Room 137.

2.1 These remotes have the same frequency as the base station in Room 137.

2.2 To use the radio, perform the following steps:

2.2.1 The set will be on when it is plugged in.

2.2.2 Depress MONITOR button, then release.

2.2.3 Adjust VOLUME control.

2.2.4 Momentarily depress PTT (push to talk) button on the handset to squelch the speaker.

EXHIBIT 2.6.6-1 (Cont'd)

- 2.2.5 Press PTT button to talk. Transmit indicator should light.
 - 2.2.6 State call sign for BSEP (KNBD 416) and transmit.
 - 2.2.7 Release PTT to listen.
 - 2.2.8 End transmission with BSEP's call sign (KNBD 416).
- 3.0 Rooms 126, 136, 139, and 144 have UHF radio remotes for communicating with portable UHF radios on CP&L channel 8.
- 3.1 To use the radios, perform the following steps:
- 3.1.1 Turn ON/OFF switch to the ON position.
 - 3.1.2 Place FREQ1/FREQ2 button so that indicator lights in at FREQ1.
 - 3.1.3 Adjust VOLUME control knob for desired volume level.
 - 3.1.4 Lift handset and press PTT (push to talk) button on handset to transmit message. Release PTT to receive message.

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BRUNSWICK STEAM ELECTRIC PLANT

UNIT 0

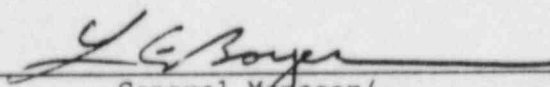
LOGISTICS SUPPORT DIRECTOR

PLANT EMERGENCY PROCEDURE: PEP-02.6.3

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1.0. Responsibilities and Objectives

The Director - Logistics Support is responsible for:

- 1.1 Ensuring the continuity of emergency response resources including manpower, facilities, equipment, and supplies.
- 1.2 Providing liaison with the CP&L Corporate authorities in the General Office until the Emergency Operations Facility is activated, and with the Manager - Administrative and Logistics after Emergency Operations Facility activation.
- 1.3 Providing technical and administrative direction to the Emergency Security Team and the Site Systems Communications Coordinator.
- 1.4 Ensuring the TSC and the EOF are set up for use.

2.0 Scope and Applicability

This procedure shall be implemented upon activation of the Technical Support group. The actions and responsibilities are limited to the Director - Logistics Support and those emergency team members assigned to him.

3.0 Actions and Limitations

3.1 General Activities

- 3.1.1 Announce your name and assumed position title to all team leaders that report to you.
- 3.1.2 Verify the necessary personnel to contend with the emergency have been notified.
- 3.1.3 Determine need for additional equipment, supplies, and manpower, and make request for same.
- 3.1.4 Ensure documentation of the following in the Director - Logistics Support Log:
 - Communications
 - Key decisions
 - Data collected
 - Checklists

(In accordance with PEP-04.1, Record Keeping and Documentation.)
- 3.1.5 When relinquishing your position, brief your successor on the emergency status. Note completion of this step in the Director - Logistics Support log.

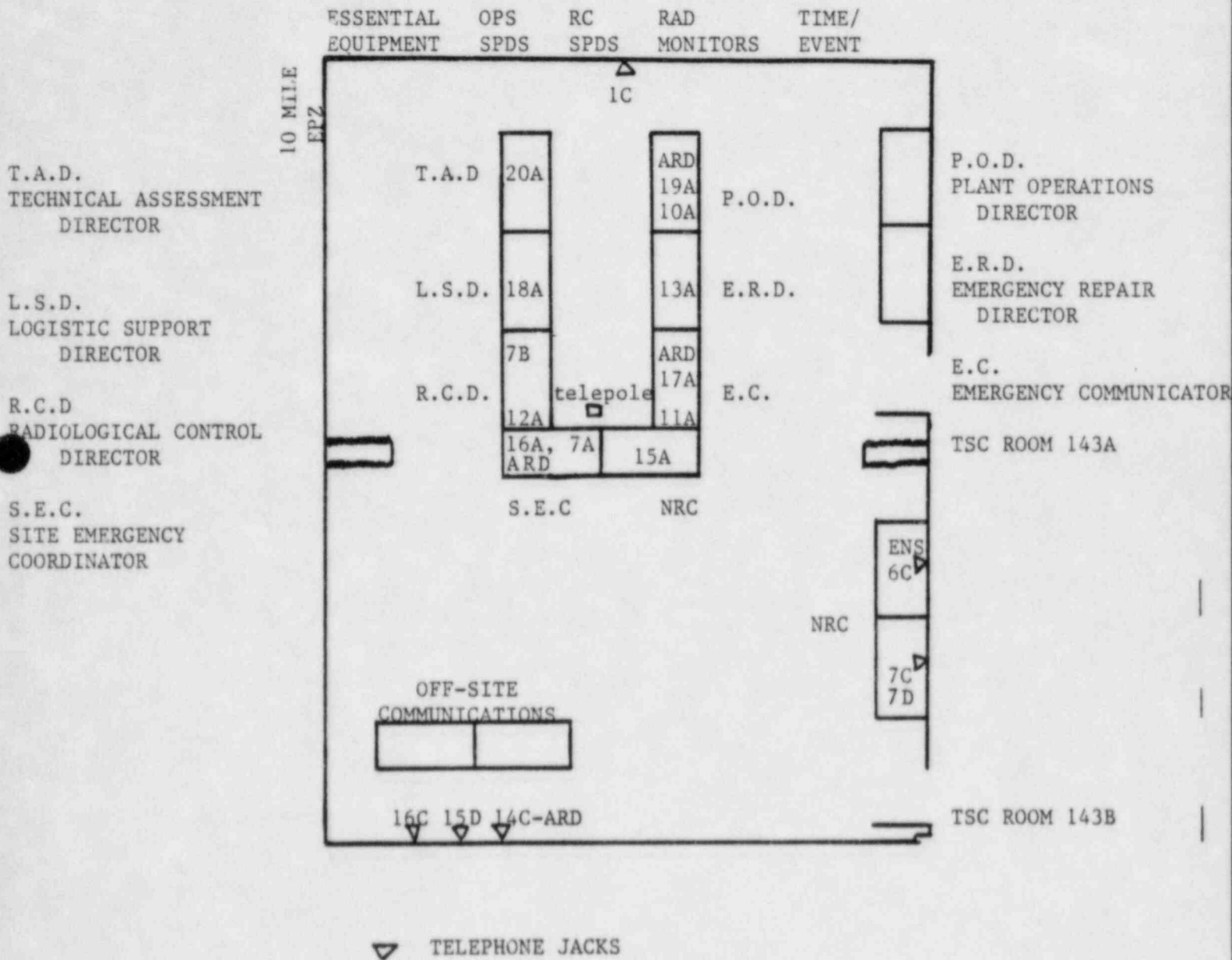
- 3.1.6 Ensure communications equipment is properly used to support the emergency.
- 3.2 Upon request for activation, render the Technical Support Center (TSC) and/or the Emergency Operations Facility (EOF) operational by following the Guidance in Exhibit 2.6.3-1.
- 3.3 Notify corporate news services in anticipation of media inquiries.
- 3.4 Arrange for additional personnel upon a Technical Support group member's request.
- 3.5 Notify the Emergency Security Team Leader of the names and affiliations of individuals requested to come to the site, and where they should report.
- 3.6 Arrange for additional equipment upon a Technical Support group member's request.
- 3.7 Arrange for additional services as required.
- 3.8 Provide new and/or modified contracts for services to be procured.
- 3.9 Coordinate with the Manager - Administrative and Logistics as required after the Emergency Operations Facility is activated.

EXHIBIT 2.6.3-1

- 1.0 The floor plan for the TSC/EOF is shown in Attachment 1. The designations for specific room numbers are shown on Attachment 2.
- 2.0 As security begins its TSC activation procedure, make Room 143 ready for use.
 - 2.1 Arrange Room 143 as indicated on Attachment 3.
 - 2.2 Plug the numbered Rolm phone for Room 143B into its respective jack and place on tables as shown on Attachment 3; each phone has the jack number printed on it.
 - 2.3 The file cabinet in room 143 has supplies needed for each director (logbooks, blank forms, etc.).
 - 2.3.1 Remove the supplies and place on tables with respective directors phone.
 - 2.4 Room 141 contains additional supplies which may be needed in the TSC (i.e., extra SPDS sheets, logbooks, pens, paper, phone directories, etc.).
 - 2.4.1 Mylars for the SPDS sheets are stored in the vault in Document Control. Have additional copies made as needed.
- 3.0 After room 143 is ready for use, begin installing phones and radios in the remaining TSC rooms as indicated on Attachment 4.
 - 3.1 Phones and radios for individual rooms are stored as follows:
 - 3.1.1 Phones for Rooms 138 and 149 are stored in the rolling cabinet in Room 138.
 - 3.1.2 Phones and radios for Rooms 139 and 144 are stored in the rolling cabinet in Room 139.
 - 3.1.3 Phones for Room 140 are stored in Room 141.
 - 3.2 Plug each phone and radio into its respective jack as indicated on Attachment 4.
- 4.0 An aperture card reader is located in the Library, Room 150.
 - 4.1 From the file drawer marked Logistic Support Director in Room 143B, take the template marked "For TSC Use Only."
 - 4.2 Lift the top of the aperture card reader in Room 150. Slide back paper and remove template marked "For Training Use Only."

- 4.3 Slide in template marked "For TSC Use Only" and reposition paper.
- 4.4 Close top of reader.
- 5.0 Notify Wilmington Area Transmission Substation Maintenance personnel to report to the plant to maintain communications systems, as needed.
- 6.0 If necessary, begin activation of the EOF by removing required items from Room 121.
 - 6.1 Arrange tables in Rooms 122/123 as shown in Attachment 5.
 - 6.2 Lift ceiling tile in the center of Room 122 marked with tape and lower cables.
 - 6.3 Attach cable to board with numbered jacks.
 - 6.4 Plug each phone into its respective jack as shown on Attachment 5.
 - 6.5 Plug NRC red phone (ENS) into the cable stored in ceiling in Room 123.
 - 6.5.1 Ceiling tile is marked by tape.
 - 6.6 Arrange wall display as shown on Attachment 5.
- 7.0 Install remaining phones and radios in Rooms 126, 127, 131 and 132 as shown on Attachments 6 and 7.
 - 7.1 The phones and radios for Rooms 126 and 127 are stored in the rolling cabinet in room 126. Arrange Room 126 as shown on Attachment 7 as time permits.
 - 7.2 The phones for Rooms 131 and 132 are stored in Room 136.
 - 7.2.1 The NRC red phone (ENS) cable and HF radio cable are stored above the ceiling tile marked with tape in Room 131.
- 8.0 Notify Security to post a guard at doors to EOF.

ATTACHMENT 3
EXHIBIT 2.6.3-1



CAROLINA POWER & LIGHT COMPANY
BRUNSWICK STEAM ELECTRIC PLANT

UNIT 0

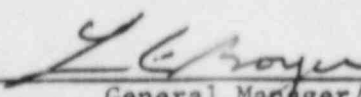
INITIAL EMERGENCY ACTIONS

PLANT EMERGENCY PROCEDURE: PEP-02.1

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PEP-02.1 INITIAL EMERGENCY ACTIONS

1.0 Responsible Individual and Objectives

The Shift Operating Supervisor is responsible for:

- 1.1 Directing the emergency response activities in the Control Room and elsewhere on the site and ensuring that the proper Emergency Instructions and Procedures are being followed.
- 1.2 Classifying the emergency in accordance with the Emergency Action Levels (EALs) as either: (a) Unusual Event (PEP-02.2), (b) Alert (PEP-02.3), (c) Site Emergency (PEP-02.4), or (d) General Emergency (PEP-02.5).

NOTE: Figure 2.1-1 (found at the end of this procedure) provides a Logic Flow Diagram of this procedure.

The alternate persons for implementing this procedure are the Shift Foreman or, in his absence, the Senior Control Operator.

All plant personnel are responsible for reporting to the Control Room any conditions or symptoms, indicated by instrument readings or direct observations, that could lead to an emergency.

2.0 Scope and Applicability

This procedure may be implemented (at the discretion of the Shift Operating Supervisor or his alternate) upon recognition of an off-normal condition as determined by instrument readings or direct observation. This procedure should be implemented following: 1) implementation of any Emergency Operating procedures, 2) any report of an unplanned fire or explosion on site, 3) any tech spec violation, 4) receipt of a hurricane or tornado warning, or 5) any report of a security threat. Implementation of this procedure does not constitute an emergency but rather serves as a guideline for evaluation of the plant conditions and comparisons with Emergency Action Levels (EALs). Once implemented, this procedure shall remain in effect until either 1) the emergency is classified and the proper Emergency Control procedure is implemented, or 2) the off-normal condition is resolved. The Shift Operating Supervisor on duty (or his designated alternate) has immediate and unilateral authority to carry out this procedure. He may be relieved by a properly trained individual.

- 3.0 Actions ("*" denotes decisions or actions which should be entered in the Shift Foreman's Log).

NOTE: The following actions are to be carried out by the Shift Operating Supervisor (or his designated alternate) in an expeditious manner for personnel and plant protection and emergency classification.

Section 3 - Abnormal Core Conditions and Fuel Damage

3.1 Unusual Event

Failed fuel as indicated by:

3.1.1 Liquid

- a. Reactor Coolant System (RCS) activity greater than 4.0 $\mu\text{Ci/ml}$ I-131 dose equivalent
- b. RCS activity greater than 0.2 $\mu\text{Ci/ml}$ I-131 dose equivalent but less than limit above for more than 48 hours
- c. RCS activity greater than $100/\bar{E}$ $\mu\text{Ci/ml}$ for all isotopes

3.1.2 Gaseous

- a. Steam jet air ejector off-gas radiation monitor (D12-RM-K601A and B) reading of greater than 1.2×10^4 mR/hr
- b. An increase of greater than 2.4×10^3 mR/hr in 30 minutes on the steam jet air ejector off-gas radiation monitor (D12-RM-K601A and B).

3.2 Alert

3.2.1 Liquid

Reactor coolant activity greater than 40 $\mu\text{Ci/ml}$ I-131 dose equivalent.

3.2.2 Gaseous

Steam jet air ejector off-gas radiation monitor (D12-RM-K601A and B) reading of greater than 1.2×10^5 mR/hr

3.3 Site Emergency

Reactor Coolant System activity is greater than 400 $\mu\text{Ci/ml}$ I-131 dose equivalent.

3.4 General Emergency

- 3.4.1 Any two functional high range drywell radiation monitors (D22-RM-4195, 4196, 4197, and 4198) reading greater than 5000 R/hr
- 3.4.2 Reactor Coolant System activity is greater than 4000 $\mu\text{Ci/ml}$ I-131 dose equivalent.
- 3.4.3 Continued on next page.