

APPENDIX J

• OFFSITE EMERGENCY ORGANIZATION PROCEDURES

- 1101 Duties of the Emergency Control Officer,
Off-site Emergency Organization
 - 1102 Duties of the Recovery Manager,
Off-site Emergency Organization
 - 1103 Duties of the Emergency Information Manager,
Off-site Emergency Organization
 - 1104 Duties of the Emergency Security Manager,
Off-site Emergency Organization
 - 1105 Duties of the Emergency Technical Manager,
Off-site Emergency Organization
 - 1106 Duties of the Governmental Affairs Manager,
Off-site Emergency Organization
 - 1107 Duties of the Emergency Plan Administrator
-
- 1211 Activation and Use of the Emergency News Center
(Turkey Point)
 - 1212 Activation and Use of the Interim Emergency Operations
Facility (Turkey Point)
 - 1301 Emergency Roster - Off-site Emergency Organization

FLORIDA POWER & LIGHT COMPANY
DUTIES OF THE EMERGENCY CONTROL OFFICER,
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1101
4/1/81

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1.0 Title:

DUTIES OF THE EMERGENCY CONTROL OFFICER, OFF-SITE EMERGENCY ORGANIZATION

Officer: Vice President, Power Resources
Alternate: (1) Assistant to Vice President of Power Resources
Alternate: (2) Manager of Power Resources, Nuclear

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Reviewed by FRG St. Lucie Plant 3/31/81

Approved by C. D. Woody for Vice President, Power
Resources March 27, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1 through 8, inclusive	4/1/81

3.0 Scope

3.1 Purpose

This procedure lists the duties and responsibilities of the Emergency Control Officer in the Off-Site Emergency Organization.

3.2 Discussion

The Emergency Control Officer may activate the Off-Site Emergency Organization to provide assistance to the plant in administration, public relations, security, engineering and technical matters.

3.3 Authority

This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

4.0 Precautions

4.1 Until the Recovery Manager is activated and functional, the Emergency Control Officer assumes these duties.

4.2 In the event the Emergency Control Officer or his alternate cannot be contacted for initial notification, the Power Resources Radiological Duty Officer will be notified. The Radiological Duty Officer then assumes the responsibilities of the ECO until relieved by the ECO or his alternate.

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5.0 Responsibilities

- 5.1 Maintain awareness of the status of the emergency conditions.
- 5.2 Establish policy and authorize or obtain funds needed for emergency response activities.
- 5.3 Activate and assign the required members of the Offsite Emergency Organization.
- 5.4 Activate the appropriate Interim Emergency Operations Facility for Site Area or General Emergencies.

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan.
- 6.2 St. Lucie Plant Radiological Emergency Plan.
- 6.3 Procedure 1102, Duties of Recovery Manager, Off-Site Emergency Organization.

7.0 Records

All significant information, events, and actions taken during the emergency period will be recorded and will be initialed by the Emergency Control Officer or his alternate.

8.0 Instructions

The Emergency Control Officer shall:

- 8.1 Receive initial notification of the emergency from the Plant Duty Call Supervisor or Emergency Coordinator and obtain from him the information shown on the attached Checklist 1, as available.
- 8.2 Mobilize, to the extent deemed necessary, the Off-site Emergency Organization.
- 8.3 Establish and maintain contact with the Recovery Manager, when functional, and activate the interim EOF for a Site Area or General Emergency. The Recovery Manager, when functional, assumes responsibility for managing FPL emergency support to the affected plant.
- 8.4 Report to General Office Emergency Center or Interim EOF, as appropriate.
- 8.5 Make new policy decisions as required relative to emergency actions.
- 8.6 Authorize expenditures of funds for emergency support activities.
- 8.7 Approve emergency contractual arrangements for emergency support activities.

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- 8.8 Assist in obtaining additional FPL support for the Off-Site Emergency Organization, as requested by Recovery Manager.
- 8.9 Conduct liaison with Federal and state agencies on administrative matters not covered by Emergency Plans.

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CHECKLIST 1

EMERGENCY INFORMATION CHECKLIST

1. Description of incident _____

2. Emergency classification _____
3. Location of incident _____
4. Date/time of incident _____
5. Assessment of the emergency (including potential for escalating to higher class) _____

6. Personnel injuries and radiation exposures _____

7. Off-site notifications made _____

8. Off-site support requested _____

9. Estimate of radioactive material released _____

10. Areas potentially affected _____

11. On-Site protective actions taken _____

12. Wind speed _____
13. Wind direction and range over past hour _____

14. Assessment of potential radiation exposure to persons off-site _____

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 DUTIES OF THE EMERGENCY CONTROL OFFICER,
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CHECKLIST 2

EMERGENCY CONTROL OFFICER ACTION CHECKLIST

<u>Action</u>	<u>Time Log</u>			
	<u>Initial</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Close</u> <u>Out</u>
1. Receive initial notification	_____	_____	_____	_____
2. Obtain Checklist 1 data	_____	_____	_____	_____
3. Establish contact with Emergency Coordinator	_____	_____	_____	_____
4. Activate Off-Site Emergency Organization (See Procedure 1301, Off-Site Emergency Roster)	_____	_____	_____	_____
5. Activate General Office Emergency Center and/or near- site Emergency Operations Facility, as appropriate (See Procedure 1202 (PSL) or 1212 (PTP) Activation and Use of Emergency Operations Facility).	_____	_____	_____	_____
The following may be performed by the Recovery Manager (except 9).	_____	_____	_____	_____
6. Organize response teams at the General Office Emergency Center or Emergency Operations Facility, as appropriate	_____	_____	_____	_____
7. Relieve Emergency Coordinator of his off-site emergency communications responsibilities	_____	_____	_____	_____
8. Establish and maintain communications with the following agencies, as appropriate	_____	_____	_____	_____
8.1 Bureau of Disaster Preparedness Duty Warning Officer, Tallahassee	_____	_____	_____	_____

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CHECKLIST 2 (CONT'D)

<u>Action</u>	<u>Time Log</u>			
	<u>Initial</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Close</u> <u>Out</u>
8.2 Department of Health and Rehabilitative Services, Radiological Duty Officer, Orlando	_____	_____	_____	_____
8.3 PTP only PSL only	_____	_____	_____	_____
a) Dade County EOC	_____	_____	_____	_____
a) St. Lucie County EOC	_____	_____	_____	_____
b) Monroe County EOC	_____	_____	_____	_____
b) Martin County EOC	_____	_____	_____	_____
8.5 Nuclear Regulatory Commission Region II, Office of Inspection and Enforcement	_____	_____	_____	_____
9. Assess status of assigned responsibilities for the following periodically:	_____	_____	_____	_____
9.1 Recovery Manager (See Procedure 1101)	_____	_____	_____	_____
9.2 Emergency Information Manager (See Procedure 1103)	_____	_____	_____	_____
9.3 Governmental Affairs Manager (See Procedure 1106)	_____	_____	_____	_____
10. Update Checklist 1 data periodically and communicate to state and county authorities	_____	_____	_____	_____
11. Assess need for additional off-site support from U.S. Coast Guard, U.S. Department of Energy, REEF Associates, INPO, NSSS Vendor, Architect/Engineer, others.	_____	_____	_____	_____
12. Close-out with verbal summary to all Item 8 contacts when appropriate	_____	_____	_____	_____

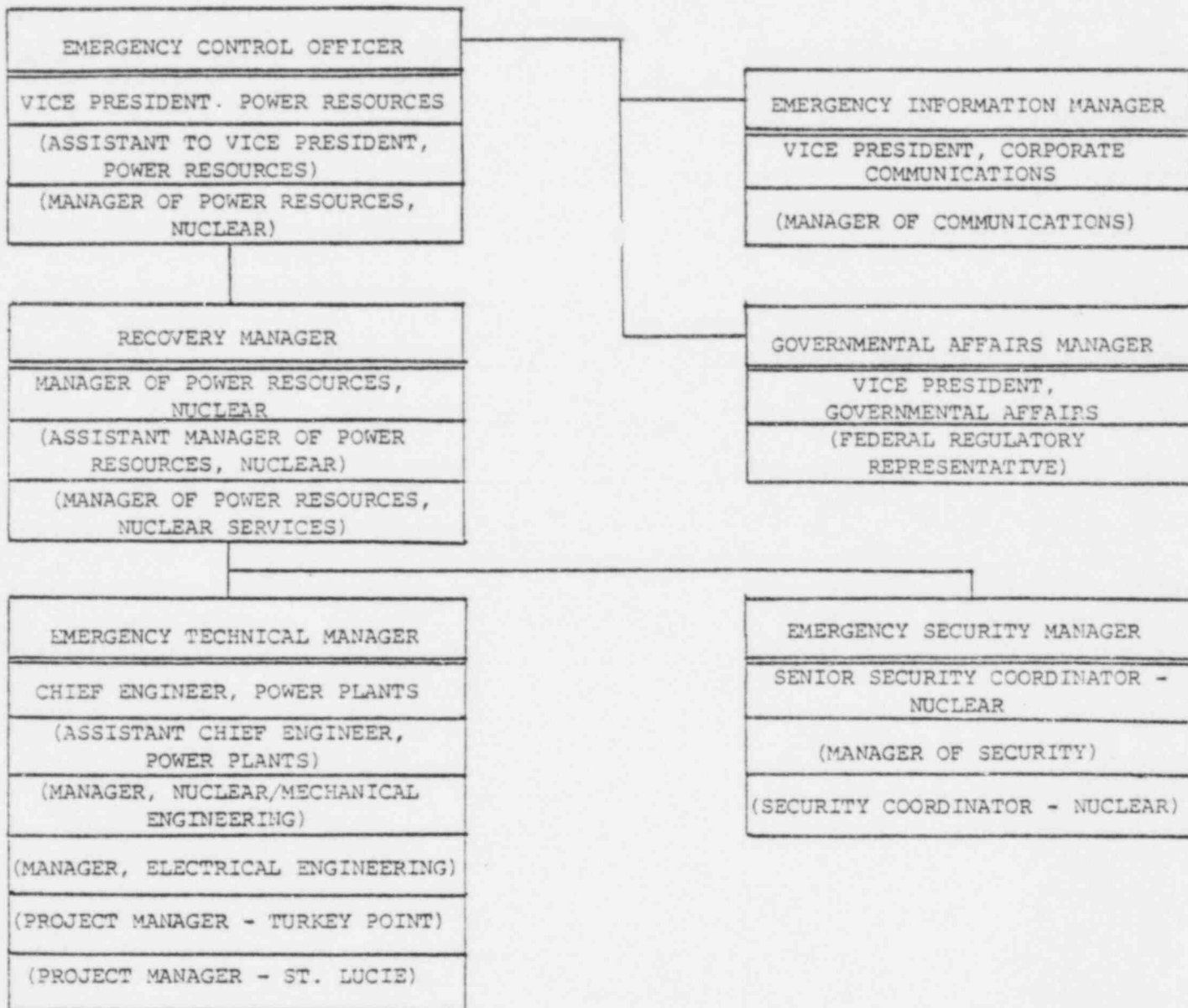
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CHECKLIST 2 (CONT'D)

<u>Action</u>	<u>Time Log</u>			
	<u>Initial</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Close</u> <u>Out</u>
13. Complete necessary written reports as follows: Nuclear Regulatory Commission within 24 hours Bureau of Disaster Preparedness within 24 hours.	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

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 DUTIES OF THE EMERGENCY CONTROL OFFICER,
 OFF-SITE EMERGENCY ORGANIZATION
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 4/1/81

FIGURE 1



FLORIDA POWER & LIGHT COMPANY
DUTIES OF THE RECOVERY MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1102
4/1/81

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1.0 Title:

DUTIES OF THE RECOVERY MANAGER, OFF-SITE EMERGENCY ORGANIZATION

Recovery Manager: Manager of Power Resources - Nuclear
Alternate: (1) Assistant Manager of Power Resources - Nuclear
Alternate: (2) Manager of Power Resources - Nuclear Services

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Reviewed by FRG St. Lucie Plant 3/31/81

Approved by C. O. Woody Manager of Power Resources -
Nuclear March 31, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1 through 7, inclusive	4/1/81

3.0 Scope

3.1 Purpose

This procedure lists the duties and responsibilities of the Recovery Manager (RM) in the Off-Site Emergency Organization.

3.2 Discussion

The Off-Site Emergency Organization (see Figure 1) provides an expanded response capability to assist the plant in administration, communications, engineering, technical support, security, and public relations. This organization, which is composed of company officials and a staff of assistants, is managed by the Recovery Manager (RM).

The RM is a designated Senior Manager who has knowledge of nuclear plant operations and design and who is responsible for managing the Company's expanded emergency response organization. The RM can report to the General Office Emergency Center (for St. Lucie or Turkey Point), or the interim Emergency Operations Facility (for St. Lucie) depending upon his assessment of the situation. Note: The designated interim EOF for Turkey Point is the General Office Emergency Center.

3.3 Authority

This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

3.4 Definitions

- 3.4.1 Owner Controlled Area - That portion of FPL property surrounding and including the plant which is subject to limited access and control as deemed appropriate by FPL.
- 3.4.2 Off-Site - All property outside the Owner Controlled Area.
- 3.4.3 On-Site - The Owner Controlled Area.
- 3.4.4 Protected Area - The area (within the Owner Controlled Area) occupied by the nuclear facility and associated equipment enclosed within the security perimeter fence.

4.0 Precautions

- 4.1 The Checklists appearing at the end of this procedure serve as a guide to Recovery Manager regarding certain information that may be useful to have available when contacting offsite agencies and organizations.

It is not a requirement of this procedure to complete these checklists during an emergency.

5.0 Responsibilities

- 5.1 The Recovery Manager shall:

- 5.1.1 Inform the Emergency Control Officer periodically of the on-site status and immediately of any significant changes.
- 5.1.2 Provide support and data as necessary to the Emergency Coordinator.
- 5.1.3 Obtain information on diagnosis and prognosis of the emergency, estimates of radioactive releases, prevailing meteorological conditions, and projected radiological exposures.
- 5.1.4 Assume from the EC, the responsibility for communicating such information to and coordinating with the state and county response organizations.
- 5.1.5 Assure continuity of technical and administrative support, and material resources.
- 5.1.6 Request additional support as necessary.
- 5.1.7 Provide for logistics support for emergency personnel (e.g. transportation, communications, temporary quarters, food and water, sanitary facilities in the field, and special equipment and supplies procurement.)

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan
- 6.2 St. Lucie Plant Radiological Emergency Plan
- 6.3 10 CFR 20.403
- 6.4 10 CFR 50.72
- 6.5 10 CFR 50 Appendix E
- 6.6 Offsite Emergency Organization Procedure 1301, Emergency Roster

7.0 Records

All significant information, events, and actions taken relative to his duties during the emergency period will be recorded in a bound ledger kept by the Recovery Manager, or his alternate, or his designee.

8.0 Instructions

The Recovery Manager shall:

- 8.1 Receive notification of the emergency from the Emergency Control Officer and obtain from him information shown on the attached Checklist 1, as available.
- 8.2 Complete the activities shown on the attached Checklist 2 and periodically assess the status of all such activities.
- 8.3 Report to the General Office Emergency Center and/or the interim Emergency Operations Facility as appropriate. The interim Emergency Operations Facility will be activated for Site Area Emergency or General Emergency. Notify Emergency Coordinator and Emergency Control Officer when functional.
- 8.4 Use additional support agencies as necessary. Phone numbers are supplied in the Offsite Emergency Roster (Procedure 1301)

CHECKLIST 1

EMERGENCY INFORMATION CHECKLIST

1. Description of incident _____

2. Emergency classification _____
3. Location of incident _____
4. Date/time of incident _____
5. Assessment of the emergency (including potential for escalating to higher class) _____

6. Personnel injuries and radiation exposures _____

7. Off-site notifications made _____

8. Off-site support requested _____

9. Estimate of radioactive material released _____

10. Areas potentially affected _____

11. On-Site protective actions taken _____

12. Wind speed _____
13. Wind direction and range over past hour _____

14. Assessment of potential radiation exposure to persons off-site _____

FLORIDA POWER & LIGHT COMPANY
 DUTIES OF THE RECOVERY MANAGER.
 OFF-SITE EMERGENCY ORGANIZATION
 PROCEDURE 1102
 4/1/81

CHECKLIST 2

EMERGENCY CONTROL OFFICER ACTION CHECKLIST

<u>Action</u>	<u>Time Log</u>			
	<u>Initial</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Close</u> <u>Out</u>
1. Receive initial notification from ECO.	_____	_____	_____	_____
2. Obtain Checklist 1 data (to the extent available)	_____	_____	_____	_____
3. Establish contact with Emergency Coordinator	_____	_____	_____	_____
4. Organize response teams at the General Office Emergency Center or Emergency Operations Facility, as appropriate	_____	_____	_____	_____
5. Relieve Emergency Coordinator of his off-site emergency communications responsibilities	_____	_____	_____	_____
6. Establish and maintain communications with the following agencies, as appropriate	_____	_____	_____	_____
6.1 Bureau of Disaster Preparedness Duty Warning Officer, Tallahassee	_____	_____	_____	_____
6.2 Department of Health and Rehabilitative Services, Radiological Duty Officer, Orlando	_____	_____	_____	_____
6.3 <u>PTP only</u> <u>PSL only</u>	_____	_____	_____	_____
a) Dade County EOC a) St. Lucie County EOC	_____	_____	_____	_____
b) Monroe County EOC b) Martin County EOC	_____	_____	_____	_____

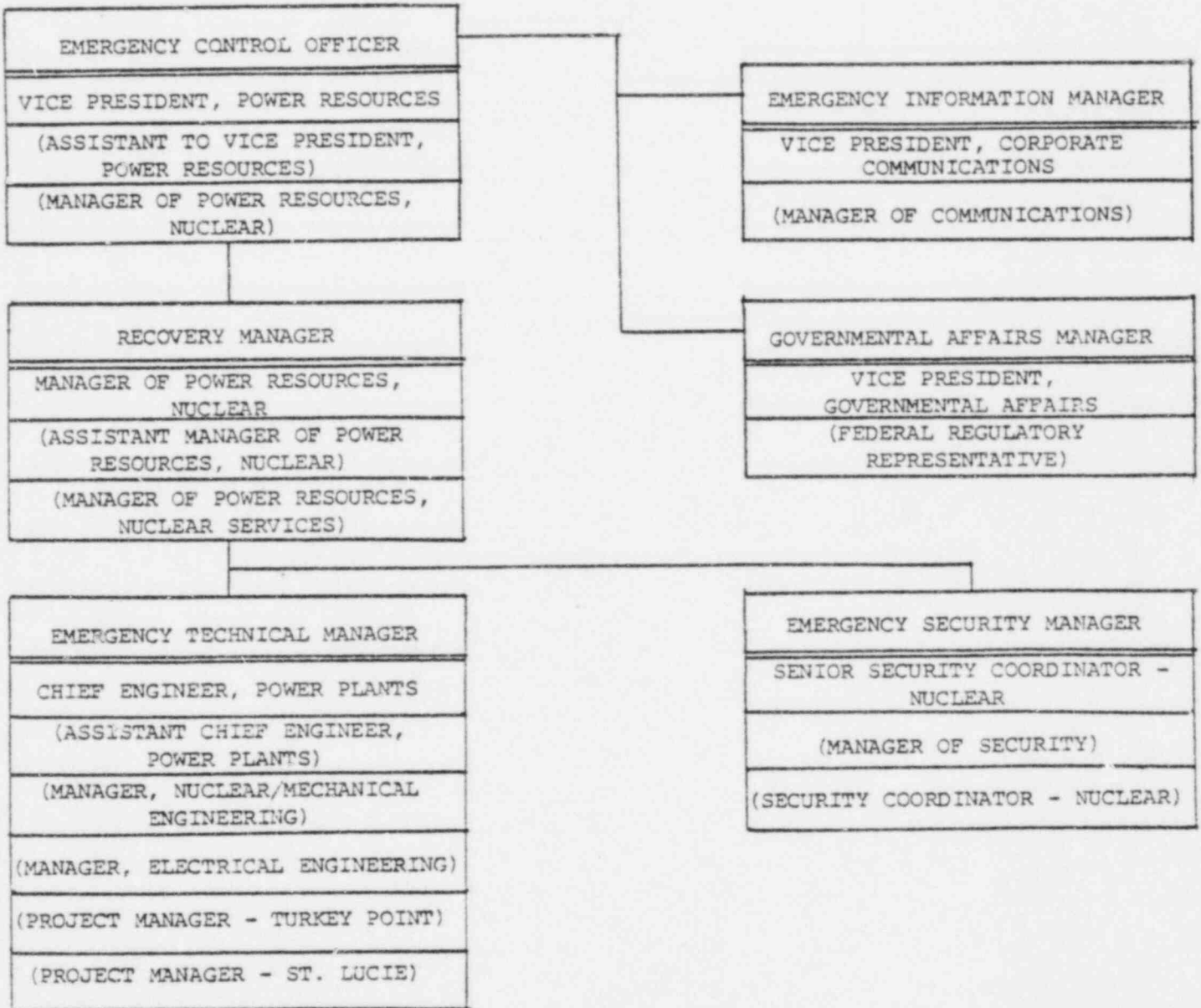
FLORIDA POWER & LIGHT COMPANY
 DUTIES OF THE RECOVERY MANAGER,
 OFF-SITE EMERGENCY ORGANIZATION
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CHECKLIST 2 (CONT'D)

<u>Action</u>	<u>Time Log</u>			
	<u>Initial</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Status</u> <u>Check</u>	<u>Close</u> <u>Out</u>
6.5 Nuclear Regulatory Commission Region II, Office of Inspection and Enforcement	_____	_____	_____	_____
7. Assess status of assigned responsibilities for the following periodically:	_____	_____	_____	_____
7.1 Emergency Control Officer (See Procedure 1101)	_____	_____	_____	_____
7.2 Emergency Security Manager (See Procedure 1104)	_____	_____	_____	_____
7.3 Emergency Technical Manager (See Procedure 1105)	_____	_____	_____	_____
8. Update Checklist 1 data periodically and communicate to state and county authorities	_____	_____	_____	_____
9. Assess need for additional off-site support from U.S. Coast Guard, U.S. Department of Energy, REEF Associates, INPO, NSSS Vendor, Architect/Engineer, others.	_____	_____	_____	_____
10. Close-out with verbal summary to all Item 8 contacts when appropriate	_____	_____	_____	_____
11. Complete necessary written reports as follows: Nuclear Regulatory Commission within 24 hours Bureau of Disaster Preparedness within 24 hours.	_____	_____	_____	_____

FLORIDA POWER & LIGHT COMPANY
 DUTIES OF THE RECOVERY MANAGER,
 OFF-SITE EMERGENCY ORGANIZATION
 PROCEDURE 1102
 4/1/81

FIGURE 1



FLORIDA POWER & LIGHT COMPANY
DUTIES OF THE EMERGENCY INFORMATION MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1103
4/1/81

Page 1

1.0 Title:

DUTIES OF THE EMERGENCY INFORMATION MANAGER, OFF-SITE EMERGENCY ORGANIZATION

Officer: Vice President - Corporate Communications
Alternate: (1) Manager of Communications

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Reviewed by FRG St. Lucie Plant 3/31/81

Approved by J. Francis Vice President - Corporate
Communications March 31, 1981

2.2 List of Effective Pages

<u>Pages</u>	<u>Date</u>
I through 4, inclusive	4/1/81

3.0 Scope

3.1 Purpose

This procedure lists the duties and responsibilities of the Emergency Information Manager (EIM) in the Off-Site Emergency Organization. The Emergency Information Manager is a designated Corporate Officer or Manager who serves as the principal spokesman for the Company. During emergencies, the EIM reports to the Emergency Control Officer.

3.2 Discussion

If the Emergency Plans are initiated by the Emergency Coordinator, the Off-Site Emergency Organization may be activated to provide assistance to the plant in administration, public relations, security, engineering and technical matters. The Emergency Information Manager may be called upon even if the Off-Site Emergency Organization is not mobilized. This could occur in the case of an Alert classification or Notification of an Unusual Event.

The Emergency Control Officer has the responsibility for mobilizing the Emergency Information Manager (EIM).

The principal responsibility of the EIM is the dissemination of concise, accurate information to the public via electronic and print media.

3.3 Authority

This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

4.0 Precautions

- 4.1 The timing and content of all news by the Emergency Information Manager shall be approved by the Emergency Control Officer.
- 4.2 All news releases by the Emergency Information Manager should assist the public in understanding any incident and its relationship to them individually.
- 4.3 Technical data and direct instructions the public located in the affected off-site area will normally be given by the appropriate governmental agency.
- 4.4 Spokesmen for other involved agencies may be releasing information to the public. The Emergency Information Manager should continually be informed of these releases and will assess the accuracy and completeness of the information being related to the public. To the greatest extent possible, the Emergency Information Manager will coordinate his efforts with spokesmen of governmental agencies and contractors so the public is provided with consistent information.
- 4.5 The EIM shall be familiar with the preparatory public information program which is carried out by State and local agencies.

5.0 Responsibilities

- 5.1 The Emergency Information Manager shall:
 - 5.1.1 Be responsible for the release of information to the public (via the news media) in event of the initiation of the Plant Emergency Plans when the situation requires that an account be made public.*
 - 5.1.2 Maintain liaison with spokesmen of appropriate federal, state and local agencies with respect to information releases. Insofar as possible, news releases and public appearances should be conducted on a joint basis with these agencies.

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan.
- 6.2 St. Lucie Plant Radiological Emergency Plan.

*See FPL procedures for Public Relations/News Media Activities in Emergency Situations.

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DUTIES OF THE EMERGENCY INFORMATION MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
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- 6.3 Procedure 1101, Duties of Emergency Control Officer, Off-Site Emergency Organization.
- 6.4 FPL Public Relations/News Media Activities in Emergency Situations.
- 6.5 Off-Site Emergency Organization Procedure 1201, Activation and Use of Emergency News Center. (PSL)
- 6.6 Off-Site Emergency Organization Procedure 1211, Activation and Use of Emergency News Center. (PTP)

7.0 Records

All significant information, events, and actions taken during the emergency period shall be recorded.

8.0 Instructions

- 8.1 The Emergency Information Manager, depending upon the severity of the incident, may be located at the General Office Emergency Center or at the near-site interim Emergency Operations Facility. He shall establish suitable liaison with the Emergency Control Officer. He shall designate a member of his staff to supervise the near site Emergency News Center.
- 8.2 After notification of the initiation of the Plant Emergency Plans, public information personnel of the various non-FPL emergency support organizations and agencies shall be contacted as necessary so that a coordinated public information effort can be established.
- 8.3 For customer communications, a general information statement suitable for release shall be provided for all Company emergency telephone operators and Customer Information Centers. After normal working hours, additional District Office telephone facilities may be opened.
- 8.4 The Emergency Information Manager shall not have primary responsibility for providing information to governmental agencies. However, the Emergency Information Manager, in coordination with the Emergency Control Officer shall assist state and local agencies in carrying out their responsibilities to provide accurate information to the public.
- 8.5 All calls and contacts received by the company from the news media shall be directed to the Emergency Information Manager or his designee. Requests for on-site photographs by the news media must be cleared by the EIM to insure safety and to arrange proper escort.
- 8.6 Release of all new information shall be coordinated with the responsible governmental agency and the Emergency Control Officer.

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OFF-SITE EMERGENCY ORGANIZATION
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- 8.7 General: Follow appropriate guidelines in FPL Public Relations/News Activities in Emergency Situations.
- 8.8 The EIM shall supervise any nuclear information staff who are assigned to him in an emergency.
- 8.9 The EIM shall provide for technical briefings to the press.
- 8.10 The EIM or his staff shall inform company employees through newsletters, bulletin board statements, telephone recordings, and CIS to district offices, or other in-place networks.
- 8.11 The EIM or his staff shall inform the industry through INPO.
- 8.12 The EIM or his staff shall be responsible for the photographic needs of the company.
- 8.13 The EIM or his staff shall tape and transcribe all press conferences and other official proceedings for the benefit of company management and official agencies.
- 8.14 The EIM or his staff shall accredit and escort members of the press.

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DUTIES OF THE EMERGENCY SECURITY MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1104
4/1/81

Page 1

1.0 Title:

DUTIES OF THE EMERGENCY SECURITY MANAGER, OFF-SITE EMERGENCY ORGANIZATION

Manager: Sr. Security Coordinator - Nuclear
Alternate: (1) Manager of Security
Alternate: (2) Security Coordinator

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Reviewed by FRG St. Lucie Plant 3/31/81

Approved by John M. Clarke Sr. Security Coordinator -
Nuclear 3/31/81, 1981

2.2 List of Effective Pages

<u>Pages</u>	<u>Date</u>
1 through 5, inclusive	4/1/81

3.0 Scope

3.1 Purpose

This procedure lists the duties and responsibilities of the Emergency Security Manager in the Off-Site Emergency Organization.

3.2 Discussion

The Emergency Control Officer may activate the Off-Site Emergency Organization to provide assistance to the plant in administration, public relations, security, engineering and technical matters.

The Emergency Control Officer has the responsibility for mobilizing the Emergency Security Manager (ESM). The ESM is a company supervisor responsible for providing liaison with county and state law enforcement officials.

3.3 Authority

This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

3.4 Definitions

3.4.1 The Security Team - Is composed of the Security Guard Force assigned to the plant. These personnel are qualified in security, personnel accountability, and evacuation procedures and practices.

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DUTIES OF THE EMERGENCY SECURITY MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
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Primary Leader: Plant Security Supervisor
Interim Leader: Security Shift Supervisor

- 3.4.2 Off-Site - All property outside the Owner Controlled Area.
- 3.4.3 On-Site - The Owner Controlled Area.
- 3.4.4 Owner Controlled Area - That portion of FPL property surrounding and including the plant which is subject to limited access and control as deemed appropriate by FPL.
- 3.4.5 Protected Area - The area (within the Owner Controlled Area) occupied by the nuclear facility and associated equipment enclosed within the security perimeter fence.

4.0 Precautions

Liaison shall be maintained by the Emergency Security Manager and/or his alternate with appropriate law enforcement agencies on a continuing basis to assure that these agencies are aware of potential situations which may require their assistance.

5.0 Responsibilities

The Emergency Security Manager provides advice to the Recovery Manager and maintains liaison with and directs requests for assistance to law enforcement agencies during emergency situations when the Off-Site Emergency Organization is activated. He coordinates with the security personnel to assist in security functions as required to support the Offsite Emergency Organization.

6.0 References

- 6.1 Turkey Point Plant Security Plan.
- 6.2 St. Lucie Plant Security Plan.
- 6.3 St. Lucie Plant Radiological Emergency Plan
- 6.4 Turkey Point Plant Radiological Emergency Plan
- 6.5 St. Lucie Plant Contingency Plan
- 6.6 Turkey Point Plant Contingency Plan

7.0 Records and Notifications

All significant information, events, and actions taken during the emergency period will be recorded by the Emergency Security Manager or his alternate.

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DUTIES OF THE EMERGENCY SECURITY MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
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8.0 Instructions

8.1 Upon receipt of notification by the Emergency Control Officer that the Off-Site Emergency Organization has been activated, the Emergency Security Manager shall:

8.1.1 Obtain from the Recovery Manager an evaluation of the emergency situation and its potential for development. This is to enable an accurate assessment of the need for assistance from law enforcement agencies to be made.

8.1.2 Assess the need for assistance from law enforcement agencies and implement decisions by contacting appropriate agencies. Such contact shall be of the following types:

1. Standby Alert - No specific request for immediate assistance made. The agency should be advised of the emergency and of the possibility for deterioration which may require the assistance of that agency. Arrangements for future communication should be established.
2. Request for Immediate Assistance - The emergency is described and specific request for assistance is made. Detailed arrangements for communication are made.

8.1.3 The Recovery Manager and Security Team Leader will be advised of assistance which has been requested of various law enforcement agencies by FPL.

8.1.4 Any information which can be provided by FPL which is requested by law enforcement agencies to perform their functions shall be obtained through the Emergency Security Manager or his designee.

8.1.5 At the termination of the emergency or when the assistance of law enforcement agencies is no longer required, the Emergency Security Manager shall relay such information to appropriate law enforcement agencies.

8.2 Turkey Point Plant: The following enforcement agencies may be called upon for assistance in an emergency:

8.2.1 Federal Bureau of Investigation - Miami - (Phone:

Shall be contacted in matters related to sabotage, bomb threats or bombings, and civil disturbances.

8.2.2 Florida Highway Patrol - Miami - (Phone:

Shall be contacted for assistance in traffic control.

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DUTIES OF THE EMERGENCY SECURITY MANAGER,
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8.2.3 Dade County Public Safety Department - Sheriff - (Phones:)

Administrative
Station #4, Perrine
Emergency Dispatcher
Bomb Disposal

This is the primary local law enforcement agency in the Turkey Point Area and shall be contacted for assistance in general criminal matters, civil disturbances, traffic control, and those events listed in the Turkey Point Plant Contingency Plan.

8.2.4 Florida City Police Department -
(Phone:)

Shall be contacted for secondary traffic control as it may affect Florida City.

8.2.5 Homestead Police Department -
(Phone:)

Shall be contacted for secondary traffic control as it may affect Homestead.

8.2.6 U.S. Coast Guard - Marine Emergency -
(Phone:)

Shall be contacted in any emergency which affects navigable waterway. The Coast Guard can provide services such as marine evacuation notification, traffic control and rescue.

8.2.7 Marine Patrol, Florida Department of Natural Resources -
(Phone:)

Shall be contacted in any emergency which affects navigable waterways. The Marine Patrol can provide law enforcement and traffic control services on Florida waterways to the twelve mile territorial limit.

8.3 St. Lucie Plant: The following enforcement agencies may be called upon for assistance in an emergency:

8.3.1 Federal Bureau of Investigation - Miami - (Phone:)
Ft. Pierce - (Phone:)

Shall be contacted in matters related to sabotage, bomb threats or bombings, and civil disturbances.

8.3.2 Florida Highway Patrol - Ft. Pierce - (Phone:)

Shall be contacted for assistance in traffic control

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8.3.3 St. Lucie County Sheriff's Department - (Phone:

This is the primary local law enforcement agency in the area and shall be contacted for assistance in general criminal matters, civil disturbances, traffic control, and those events listed in the St. Lucie Plant Contingency Plan.

8.3.4 Martin County Sheriff's Deptment - (Phone:

Afford back-up and/or secondary support for the St. Lucie County Sheriff's Department as may be required.

8.3.5 Stuart Police Department - (Phone:

Shall be contacted for secondary traffic control as it may affect Stuart.

8.3.6 Ft. Pierce Police Department - (Phone:

Shall be contacted for secondary traffic control as it may affect Ft. Pierce.

8.3.7 U.S. Coast Guard - Marine Emergency - (Phone:

Shall be contacted in any emergency which affects navigable waterways. The Coast Guard can provide services such as marine evacuation notification, traffic control and rescue.

8.3.8 Marine Patrol, Florida Department of Natural Resources -
(Phone: ; contact through Florida Highway Patrol).

Shall be contacted in any emergency which affects navigable waterways. The Marine Patrol can provide law enforcement and traffic control services on Florida waterways in the twelve mile territorial limit.

8.4 The Emergency Security Manager shall maintain suitable liaison with the Recovery Manager or his representative.

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DUTIES OF THE EMERGENCY TECHNICAL MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
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Page 1

1.0 Title:

DUTIES OF THE EMERGENCY TECHNICAL MANAGER, OFF-SITE EMERGENCY ORGANIZATION

Manager: Chief Engineer - Power Plants
Alternate: (1) Assistant Chief Engineer - Power Plants
Alternate: (2) Manager - Mechanical/Nuclear Engineering
Alternate: (3) Manager - Electrical Engineering
Alternate: (4) Project Manager - Turkey Point
Alternate: (5) Project Manager - St. Lucie

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Reviewed by FRG St. Lucie Plant 3/31/81

Approved by W.H. Rogers Chief Engineer - Power
Plants 3-31-81, 1981

2.2 List of Effective Pages

<u>Pages</u>	<u>Date</u>
1 through 3, inclusive	4/1/81

3.0 Scope

3.1 Purpose

This procedure lists the duties and responsibilities of the Emergency Technical Manager in the Off-Site Emergency Organization.

3.2 Discussion

The Emergency Control Officer may activate the Off-Site Emergency Organization to provide assistance to the plant in administration, public relations, security, engineering, and technical matters.

The Emergency Control Officer has the responsibility for mobilizing the Emergency Technical Manager (ETM). The ETM is a Senior Manager with the responsibility for providing technical support and information regarding engineering design for the plant. The ETM operates as part of the Recovery Manager's staff.

3.3 Authority

3.3.1 This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

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3.4 The Emergency Technical Manager, and the alternates acting for him, have the authority to expend company funds for the purpose of implementing the emergency technical support required in an emergency.

3.5 Definitions

3.5.1 Staff - The staff is that group of Company personnel employed in the Power Plant Engineering Department.

3.5.2 Consultants - Consultants are technical specialists having expertise in engineering and science disciplines and may or may not be FPL employees. Typical consultants are FPL employees other than those in Power Plant Engineering, and employees of engineer-constructor companies engaged in power plant design and/or construction, and employees of vendors of nuclear power plant equipment.

4.0 Precautions

The Emergency Technical Manager shall coordinate with the Recovery Manager before mobilizing Staff and Consultants.

5.0 Responsibilities

The Emergency Technical Manager provides advice and technical information regarding engineering design and as-built construction details.

6.0 References

6.1 Final Safety Analysis Report (FSAR), Turkey Point Units 3 and 4

6.2 Final Safety Analysis Report (FSAR), St. Lucie Plant Unit 1

6.3 Turkey Point Units 3 and 4 as built drawings, Power Plant Engineering files, and General Engineering tracing files.

6.4 St. Lucie Unit 1 as built drawings, Power Plant Engineering files, Backfit Document Control files, and Ebasco Site Engineering files.

6.5 Procedure 1102, Duties of Emergency Control Officer, Off-Site Emergency Organization.

6.6 Turkey Point Plant Radiological Emergency Plan

6.7 St. Lucie Plant Radiological Emergency Plan

7.0 Records

The information received regarding the initiation of the Plant Emergency Plans shall be logged by the Emergency Technical Manager or his alternate, and actions taken will be recorded with the basis for each action.

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8.0 Instructions

The Emergency Technical Manager shall:

- 8.1 Receive initial notification.
- 8.2 Establish and maintain contact with the Emergency Control Officer.
- 8.3 Report to the General Office Emergency Center or the near-site interim Emergency Operation Facility as directed by the Emergency Control Officer or Recovery Manager.
- 8.4 Alert necessary staff to report to General Office Emergency Center or interim Emergency Operation Facility as appropriate.
- 8.5 Determine the need for, and obtain, necessary consultant support.
- 8.6 Direct staff and consultants in the assembly and supply of the required engineering data.
- 8.7 Assist Recovery Manager in interpretation of plant status data.

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DUTIES OF THE GOVERNMENTAL AFFAIRS MANAGER,
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1106
4/1/81

Page 1

1.0 Title:

DUTIES OF THE GOVERNMENTAL AFFAIRS MANAGER, OFF-SITE EMERGENCY ORGANIZATION

Manager: Vice President - Governmental Affairs
Alternate: Federal Regulatory Representative

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Reviewed by FRG St. Lucie Plant 3/31/81

Approved by [Signature] Vice President - Governmental Affairs March 30, 1981, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1	4/1/81
2	4/1/81

3.0 Scope

3.1 Purpose

This procedure lists the duties and responsibilities of the Governmental Affairs Manager in the Off-Site Emergency Organization.

3.2 Discussion

The Emergency Control Officer may activate the Off-Site Emergency Organization to provide assistance to the plant in administration, public relations, security, engineering, and technical matters.

The Emergency Control Officer has the responsibility for mobilizing the Governmental Affairs Manager (GAM).

The GAM is a designated Corporate Officer or Senior Manager with the responsibility for performing liason functions between the Emergency Control Officer and federal and state political bodies, thereby relieving the Emergency Control Officer of routine interface with these groups. He will not normally interface with those federal, state, or local organizations involved in "hands on" recovery activities such as the Nuclear Regulatory Commission, Bureau of Disaster Preparedness, Department of Health and Rehabilitative Services and County Civil Defense representatives.

3.3 Authority

This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

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4.0 Precautions

None

5.0 Responsibilities

The GAM shall provide liaison between the Emergency Control Officer and federal and state political bodies.

6.0 References

6.1 Turkey Point Plant Radiological Emergency Plan.

6.2 St. Lucie Plant Radiological Emergency Plan.

7.0 Records

None

8.0 Instructions

8.1 The GAM shall receive initial notification that the Off-site Emergency Organization has been activated from the Emergency Control Officer.

8.2 The GAM shall report to the General Office Emergency Center or the interim Emergency Operations Facility as appropriate to the situation.

8.3 The GAM shall contact the Governor's Office and/or dispatch a representative to the Governor's Office, if he determines that the situation warrants such a move.

8.4 The GAM shall respond to other governmental bodies as necessary.

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DUTIES OF THE EMERGENCY PLAN ADMINISTRATOR
OFFSITE EMERGENCY ORGANIZATION
PROCEDURE 1107
4/1/81

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1.0 Title:

Duties and Responsibilities of the Emergency Plan Administrator

2.0 Approval and List of Effective Pages:

2.1 Approval:

Approved by *C. D. Woody for* Vice President - Power Resources

March 31, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1	4/1/81
2	4/1/81
3	4/1/81

3.0 Scope:

3.1 Purpose

This procedure provides duties and responsibilities of the Emergency Plan Administrator.

3.2 Discussion

The Emergency Plan Administrator is a member of the Power Resources - Nuclear Staff. He has the responsibility for radiological emergency planning and maintaining emergency preparedness. The Emergency Plan Administrator reports to the Power Resources Section Supervisor - Health Physics.

4.0 Precautions:

None

5.0 Responsibilities:

5.1 The Emergency Plan Administrator is responsible for insuring that the St. Lucie Plant Radiological Emergency Plan, Turkey Point Plant Radiological Emergency Plan and the Offsite Emergency Organization procedures are adequate and up-to-date.

5.2 He shall revise and distribute, as necessary, the emergency plans on an annual basis. He shall revise and distribute Offsite Emergency Organization procedures, as necessary.

5.3 The Emergency Plan Administrator is responsible for maintaining the FPL offsite Emergency Organization Roster.

5.4 The Emergency Plan Administrator is responsible for coordinating all aspects of emergency drills and exercises which involve offsite agencies.

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5.5 The Emergency Plan Administrator shall assure that the initial training and periodic retraining for FPL Offsite Emergency Organization personnel is conducted and documented.

6.0 References:

6.1 Turkey Point Plant Radiological Emergency Plan

6.2 St. Lucie Plant Radiological Emergency Plan

6.3 "Maintaining Emergency Preparedness - Emergency Exercises, Drills, Tests and Evaluations," St. Lucie procedure number 3100050E, Turkey Point procedure number 20113.

6.4 "Maintaining Emergency Preparedness - Radiological Emergency Plan Training," St. Lucie procedure number 3100051E, Turkey Point procedure number 20201.

7.0 Records:

7.1 Consolidated exercise summary

7.2 Emergency Roster - FPL Offsite Emergency Organization

7.3 Training records - FPL Offsite Emergency Organization

7.4 Emergency Plan and Procedures revision distribution

8.0 Instructions:

8.1 Exercises and Drills

8.1.1 When an exercise or major drill involving off-site agencies is to be conducted, the Emergency Plan Administrator shall prepare for the exercise in accordance with Emergency Plan Implementing Procedure 20113 for Turkey Point Plant and Emergency Plan Implementing Procedure 3100050E for St. Lucie Plant.

8.1.2 The Emergency Plan Administrator shall coordinate with the off-site emergency response organizations and agencies in selecting a date for the exercise.

8.1.3 The Emergency Plan Administrator shall provide support as requested to the Operations Superintendent in carrying out his responsibilities for on-site emergency drills.

8.2 The Emergency Plan Administrator shall be responsible for the conduct and documentation of initial training and periodic retraining for FPL Off-Site Emergency Organization personnel. This training shall involve the following personnel and subject matter.

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8.2.1 Emergency Control Officer and Recovery Manager

- a. Prompt and effective notification methods, including the types of communication systems.
- b. Method of activating the Florida Power & Light Company Emergency Response Organization.
- c. The methods used for estimating radiation doses.
- d. Emergency Plan familiarization.
- e. Emergency Plan implementing procedures familiarization.
- f. Familiarization with the Interim Emergency Operations Facility and the Interim Technical Support Center.

8.2.2 Emergency Security Manager, Emergency Information Manager, Governmental Affairs Manager, Emergency Technical Manager

- a. Emergency Plan familiarization
- b. Emergency Plan implementing procedures familiarization

8.3 Review & Revision of Plans and Procedures

8.3.1 The Emergency Plan and Emergency Plan Implementing procedures shall be under continuing review by the Emergency Plan Administrator including:

- a. Notification lists and rosters will be audited quarterly and updated as required.
- b. Revisions of the Emergency Plans, Emergency Plan Implementing Procedures, and notification lists will be distributed, as needed, to holders of these documents.

8.3.2 Recommended changes to the Emergency Plan submitted to the Emergency Plan Administrator shall be considered for incorporation into the Emergency Plans and Procedures. Proposed changes in the Emergency Plan, if approved by the Vice President-Power Resources, shall be incorporated into the Emergency Plan under the direction of the Emergency Plan Administrator.

8.3.3 The Emergency Plan Administrator shall ensure that elements of the emergency organization (eg., FPL, state, federal, local etc.) are informed of amendments and revisions to the Emergency Plan and Emergency Procedures.

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NEWS CENTER (TURKEY POINT)
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1211
4/1/81

Page 1

1.0 Title:

ACTIVATION AND USE OF THE EMERGENCY NEWS CENTER (TURKEY POINT)

2.0 Approval and List of Effective Pages:

2.1 Approval:

Reviewed by PNSG Turkey Point Plant 3/26/81

Approved by J. Francis Vice President -
Corporate Communications March 31, 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>
1 through 2, inclusive	4/1/81

3.0 Scope:

3.1 Purpose

This procedure describes the activation and use of the Interim Emergency News Center at the Turkey Point Plant.

3.2 Discussion

The Interim Emergency News Center (ENC) is a nearsite facility provided to allow the news media access to information from the Interim Emergency Operations Facility (EOF). The Emergency Information Manager or his designee will report to the Interim EOF. The Emergency News Center manager who has been designated by the Emergency Information Manager, will report to the ENC if activated.

3.3 Description

The Interim ENC is located in a mobile trailer adjacent to an area designated as the "Bechtel trailer complex."

4.0 Precautions

4.1 Radiological conditions shall be monitored at the Interim ENC when it is in use.

4.2 The Emergency Information Manager shall be responsible for determining the need for relocation to the Alternate ENC.

5.0 Responsibilities

None

6.0 References

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- 6.2 Procedure 1103, Duties of the Emergency Information Manager, Offsite Emergency Organization.
- 6.3 Procedure 1212, Activation and Use of the Interim Emergency Operations Facility

7.0 Records

Records shall be maintained as described in Emergency Procedure 1103.

8.0 Instructions

8.1 Activation

The Emergency Control Officer or the Emergency Information Manager shall activate the ENC when it is determined that there is a need to arrange for media briefings near the site.

8.2 Staffing

The ENC shall be staffed as required by the Emergency Information Manager or his designee.

8.3 Communications

The ENC contains commercial telephones.

8.4 Support Facilities

The Emergency Information Manager shall arrange for transport of tape recorders, film projectors or other equipment as necessary during an emergency.

8.5 Use of the Interim ENC

The Emergency News Center Manager may use the Interim ENC to provide briefings and updates to media representatives in the near site area. Coordination with local governmental unit representatives and their spokesmen shall also be accomplished by the company media staff, the Employee Information Division, and the District systems which are used routinely.

8.6 Deactivation

It is the responsibility of the Emergency Information Manager to deactivate and secure the Interim ENC when it is no longer needed.

8.7 Alternate ENC

The alternate ENC shall be used if the ECO declares the interim ENC untenable. The alternate ENC is located at the Homestead National Guard Armory at 807 N.E. 6th Avenue (in Homestead). The Armory can also be utilized if a larger facility is required.

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ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS
FACILITY (TURKEY POINT)
OFF-SITE EMERGENCY ORGANIZATION
PROCEDURE 1212
4/1/81

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1.0 Title:

ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS FACILITY
(TURKEY POINT)

2.0 Approval and List of Effective Pages

2.1 Approval

Reviewed by PNSC Turkey Point Plant 3/26/81

Approved by C. O. W. [Signature] Vice President of Power
Resources March 31, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	4/1/81	4	4/1/81
2	4/1/81		
3	4/1/81		

3.0 Scope

3.1 Purpose

This procedure describes the activation and use of the Interim
Emergency Operations Facility for the Turkey Point Plant.

3.2 Discussion

The Interim Emergency Operations Facility (EOF) is a support
facility designed to provide an operating center for the Recovery
Manager or his designated alternate and other members of the Off-
Site Emergency Organization. From the Interim EOF, the Off-Site
Emergency Organization will provide support to the Control Room and
the Interim Technical Support Center, coordination with federal,
state, and county officials, and coordination of radiological
assessments.

3.2.1 The Recovery Manager may use the Interim EOF as his
headquarters and may house the FPL Off-Site Emergency
Organization support team there.

3.2.2 The Interim EOF may be used to coordinate FPL and State
Radiological Health Services offsite dose projections.

3.2.3 The Interim EOF may be used to coordinate FPL operations with
those of federal, state and county officials.

3.3 Description

The Interim EOF is located in the General Office at 9250 West
Flagler in Miami. Offices for the interim EOF are located in the
Power Resources Management Area on the fifth floor. As necessary,
other space may be made available in the building.

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ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS
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1)	FPL Off-Site Emergency Organization	(35)
2)	NRC Site Team	(9)
3)	State Radiological Health Services Field Team	(2)
4)	FEMA	(1)

Figure 1 identifies the designated locations within the building.

4.0 Precautions

- 4.1 The Interim EOF may be activated upon the direction of the Recovery Manager or his designated alternate only.
- 4.2 Normal security operations will assure that access is limited to authorized personnel only.

5.0 Responsibilities

- 5.1 The Recovery Manager is responsible for activating the Interim EOF and supervising activities within it.
- 5.2 Designated managers of the Off-site Emergency Organization are responsible for reporting to the Interim EOF upon direction to do so from the RM. Each designated manager is responsible for assuring that all necessary support staff and materials are brought to the Interim EOF.
- 5.3 The RM is responsible for ensuring that adequate communication systems are provided for use at the Interim EOF.

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan
- 6.2 Emergency Procedure 1101 Duties of the Recovery Manager.

7.0 Records

All significant information, events, and actions taken relative to the duties of the Recovery Manager during the emergency period will be recorded in a bound ledger kept by the Recovery Manager or his designee.

8.0 Instructions

8.1 Activation

The Recovery Manager shall activate the Interim EOF for any emergency condition classified as a Site Area Emergency or General Emergency. He has the option of activating the Interim EOF for an Alert.

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8.2 Functional Assignments

The Recovery Manager or his designated alternate is responsible for assigning space and facilities to various groups using the Interim EOF in accordance with Figure 1. The Recovery Manager has the authority to alter such assignments as he deems necessary. It is the responsibility of each person assigned to the Interim EOF to report to his designated manager upon arrival.

8.3 Staffing

The Recovery Manager and his designated managers are responsible for notifying and assigning staff to report to the Interim EOF, as necessary.

8.4 Communications

Each office has a telephone with FPL interoffice dialing capabilities and regular commercial telephone capabilities. The ECO and RM have direct communications through a dedicated line to each Control Room and Plant Manager's offices.

8.5 Support Facilities

The Interim EOF has the following support facilities:

- 1) .Telecopy or other facsimile machines
- 2) Duplicating machines
- 3) Typewriters (and word processing machines)

Rest room facilities are adequate. Food service is provided.

8.6 Technical Data

The Interim EOF contains copies of Emergency Plans and Procedures, technical specifications, plant drawings and diagrams, and other technical data.

8.7 Deactivation

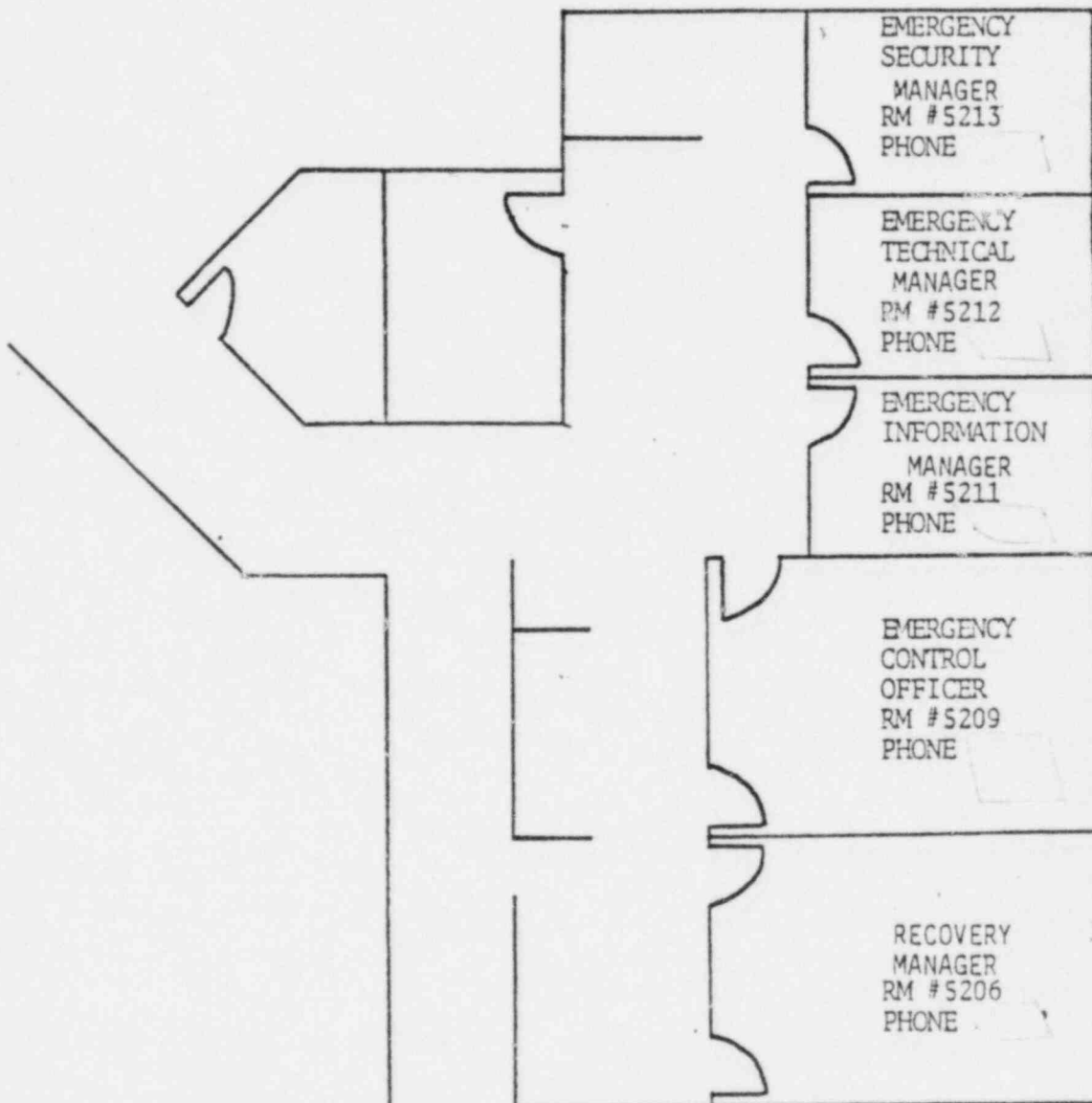
It is the responsibility of the Recovery Manager to deactivate and secure the Interim EOF facility when he determines that the emergency condition no longer exists.

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ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS
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FIGURE 1

INTERIM EOF LAYOUT TURKEY POINT PLANT



FLORIDA POWER AND LIGHT COMPANY
OFFSITE EMERGENCY ORGANIZATION
EMERGENCY ROSTER
PROCEDURE 1301
4/1/81

Page 1

1.0 Title:

Emergency Roster - Offsite Emergency Organization

2.0 Approval and List of Effective Pages:

2.1 Approvals

Reviewed by: PNSC, Turkey Point 3/26/81

Reviewed by: FRG, St. Lucie 3/31/81

Approved by: C. O'Leary for Vice President, Power Resources
March 31, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1 through 6 inclusive	4/1/81

3.0 Scope:

3.1 Purpose:

This procedure provides the phone numbers of personnel involved with emergency response to be called by the Emergency Control Officer (ECO) or his designee.

3.2 Discussion:

Upon activation of the Emergency Plan, the ECO or his designee shall refer to Appendix A for notifications to be made.

3.3 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plan and the St. Lucie Plant Radiological Emergency Plan.

4.0 Precautions:

None

5.0 Responsibilities:

5.1 The ECO or his designee shall make all phone calls prescribed in procedure number 20115 and the Emergency Plan.

5.2 The ECO or his designee shall maintain a record of all communications with offsite personnel and organizations.

5.3 The Emergency Plan Administrator shall be responsible for periodic verification and updating of the Emergency Roster.

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EMERGENCY ROSTER
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5.4 FPL personnel on the Emergency Roster shall notify the Emergency Plan Administrator when a change pertinent to information appearing in the roster occurs.

6.0 References:

6.1 Turkey Point Plant Radiological Emergency Plan

6.2 St. Lucie Plant Radiological Emergency Plan

6.3 10 CFR 50.72

7.0 Records:

Documentation of communications through logbook entries, check-off-list completion, tape recordings.

8.0 Instructions:

8.1 Appendix A is the ECO Emergency Call List. This appendix is used to provide the names of individuals responsible for various actions during emergencies.

8.2 Changes to the appendices shall be made with the approval of the Vice President - Power Resources.

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 EMERGENCY ROSTER
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APPENDIX A - ECO CALL LIST

Title	Name	Telephone		BPR/EMER.
		Home	Office	
RECOVERY MANAGER	C.O. Woody			BPR
<u>Alternates:</u>				
Asst. Manager Power Resources - Nuclear	K.N. Harris			BPR
Manager, Power Resources - Nuclear Services	H.N. Paduano			BPR
<hr/>				
EMERGENCY INFORMATION MANAGER	J.H. Francis			
<u>Alternates:</u>				
Manager of Communications	L.J. Snipes			BPR (ALL)
Duty Corporate Communication Officer	Corp. Comm. Duty Roster			
<hr/>				
EMERGENCY TECHNICAL MANAGER	W.H. Rogers			
<u>Alternates:</u>				
Asst. Chief Engr. - Power Plts	E.H. O'Neal			
Mgr. Nuclear/Mech Engr.	L.F. Pabst			
Mgr. Electrical Engr.	D. VanTassell			
Project Manager - PTP	S.G. Brain			
Project Manager - PSL	C.S. Kent			

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APPENDIX A ECO CALL LIST

Title	Name	Telephone		
		Home	Office	BPR/EMER.
EMERGENCY SECURITY MANAGER	J.M. McCabe			Beeper
<u>Alternates:</u> Manager of Security	K.L. Caldwell			BPR
Security Coordinator - Nuc.	F.H. Fabor			BPR
GOVERNMENTAL AFFAIRS MANAGER	T.E. Danese			
<u>Alternate:</u> Federal Regulatory	W.G. Walker III			
RISK DEPT. MANAGER	R.E. Hinds			BPR (ALL)
<u>Alternates:</u> Asst. Risk Manager	J.P. Beyer			
Loss Prevention Engineer	J.L. Dymek			
Coordinator, Risk Dept.	M. McCandlish			
Coordinator, Risk Dept.	R.J. Newell			

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APPENDIX A ECO CALL LIST
OUTSIDE AGENCIES

TITLE	NAME/ADDRESS	OFFICE PHONE	OFF HOURS OR EMER. PHONE
STATE WARNING PT., TALLAHASSEE Duty Warning Officer (BDP)	1720 Gadsden St. Tallahassee, FL 32301		
<u>Alternates:</u>			
1. Alt. State Warning Pt. Tallahassee Duty Communications Officer			
2. Florida Highway Patrol			
DEPT. OF HEALTH & REHAB. SERVICES, Radiological Emergency Duty Officer	N. HIAWASSEE RD. Sunland Center Orlando, FL 32808		
Region II, Office of Inspection and Enforcement U.S. Nuclear Regulatory Commission	Suite 3100 101 Marietta St. Atlanta, GA 30303		
U.S. DOE - Savannah River Operations Office, Aiken South Carolina	SR00 Duty Officer		
U.S. Coast Guard	U.S. Coast Guard Central Opers.		
U.S. DOE Radiation Emergency Assistance Center/Training Site (REAC/TS)	Oak Ridge Hosp. of the Methodist Church Oak Ridge, Tenn 37830		Request Oper. Page a REAC/TS Official BPR
Shands Teaching Hospital and Clinics (Contingent medical facility only)	University of Florida Gainesville, FL		(All hours)

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APPENDIX A - ECO CALL LIST
OUTSIDE AGENCIES

<u>TITLE</u>	<u>NAME/ADDRESS</u>	<u>OFFICE PHONE</u>	<u>OFF HOURS OR EMER. PHONE</u>
*Westinghouse Electric Corporation Field Service Manager	George Griffiths		
<u>Alternates:</u>	1. Dave Richards		
	2. Bob Meyer		
*INSTITUTE FOR NUCLEAR POWER OPERATIONS, Duty Officer	1820 Water Place Atlanta, GA 30339		
<u>FOR TURKEY POINT:</u>			
Dade County Civil Defense Div.	A.C. Fischer		
Monroe County Civil Defense	Hal Miller		
<u>OR ST. LUCIE:</u>			
St. Lucie County Disaster Prep. Coordinator	P.J. Rodi		
Martin County Disaster Prep. Coordinator	W. O'Brien		

APPENDIX J

TURKEY POINT

EMERGENCY PLAN IMPLEMENTING PROCEDURE INDEX

<u>NUMBER</u>	<u>PROCEDURE TITLE</u>
20101	DUTIES OF EMERGENCY COORDINATOR
20102	DUTIES OF AN INDIVIDUAL WHO DISCOVERS AN EMERGENCY CONDITION
20103	CLASSIFICATION OF EMERGENCIES AND CRITERIA FOR EVACUATION
20104	EMERGENCY ROSTER
20105	ON-SITE SUPPORT CENTERS
20106	NATURAL EMERGENCIES
20107	FIRE AND EXPLOSION EMERGENCIES
20109	CRITERIA FOR, AND CONDUCT OF LOCAL EVACUATION
20110	CRITERIA FOR, AND CONDUCT OF OWNER CONTROLLED ARE EVACUATION
20111	RE-ENTRY
20112	COMMUNICATIONS NETWORK
20113	MAINTAINING EMERGENCY PREPAREDNESS, EMERGENCY EXERCISES, DRILLS, TESTS AND EVALUATIONS
20125	ON-SITE EMERGENCY ORGANIZATION
20126	LOSS OF COOLANT ACCIDENT DOSE CALCULATION
20201	MAINTAINING EMERGENCY PREPAREDNESS - RADIOLOGICAL EMERGENCY PLAN TRAINING

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20101
MARCH 26, 1981

1.0 Title:

DUTIES OF EMERGENCY COORDINATOR

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by [Signature] Plant Mgr-Nuclear, March 27, 1981

Approved by [Signature] Vice President
Power Resources MARCH 27 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	5	3/26/81	9	3/26/81	13	3/26/81
2	3/26/81	6	3/26/81	10	3/26/81	14	3/26/81
3	3/26/81	7	3/26/81	11	3/26/81		
4	3/26/81	8	3/26/81	12	3/26/81		

3.0 Scope:

3.1 Purpose:

This procedure provides the guidelines to be followed by the Emergency Coordinator when an emergency occurs that requires initiation of the Emergency Plans.

3.2 Discussion:

The Nuclear Plant Supervisor becomes the Emergency Coordinator upon initiation of the Emergency Plans and, as such, directs the On-Site Emergency Organization to bring the emergency under control. It is expected that a member of the plant management staff with a Senior Reactor Operator License may assume the role of Emergency Coordinator when he reaches the Control Room and becomes familiar with the emergency. The Nuclear Plant Supervisor will then concentrate on control of the reactor.

3.3 Authority:

Turkey Point Plant Emergency Plans

EMERGENCY PROCEDURE 20101, PAGE 2
DUTIES OF EMERGENCY COORDINATOR

4.0 Precautions:

- 4.1 The Nuclear Plant Supervisor and the shift operating staff represent the first-line of response to any developing emergency condition. The primary responsibility of the Nuclear Plant Supervisor is to control the condition as well as possible. However, the success of the Emergency Plan and procedures requires immediate classification of the emergency (in accordance with Emergency Procedure 20103) and notifications of designated off-site authorities as well as FPL's off-site Emergency Organization.
- 4.2 The Nuclear Plant Supervisor as the Emergency Coordinator may delegate his responsibilities at his discretion with the exception of the decision to notify state and local authorities and the content of that notification.

5.0 Responsibilities:

- 5.1 If the Nuclear Plant Supervisor is incapacitated, the Emergency Coordinator shall be (in order of succession):
- 5.1.1 Nuclear Watch Engineer
 - 5.1.2 Any other member of the plant staff with a Senior Reactor Operator license.
 - 5.1.3 One of Nuclear Control Center Operators on shift.
- 5.2 The Emergency Coordinator shall only grant permission for watch relief, including his own, when the emergency condition is sufficiently under control to make it safe in his judgment to do so.
- 5.3 A member of the plant management staff (if he has a Senior Reactor Operator License) may assume the duties of the Emergency Coordinator.

6.0 References

- 6.1 Turkey Point Plant Emergency Plans

7.0 Records and Notifications:

- 7.1 All significant information, events, and actions taken during the emergency period shall be recorded in the Nuclear Plant Supervisor's Log Book.

8.0 Instructions:

8.1 Classification:

Immediately upon becoming aware of an off-normal condition, the Nuclear Plant Supervisor shall classify the condition in accordance with the criteria given in Emergency Procedure 20103, Classification of Emergencies. If the classification is ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY, the Nuclear Plant Supervisor shall declare an emergency and become the Emergency Coordinator. The Emergency Coordinator shall station himself in the Control Room.

EMERGENCY PROCEDURE 20101, PAGE 3
DUTIES OF EMERGENCY COORDINATOR

8.2 The Emergency Coordinator shall mobilize the On-Site Emergency Organization (in accordance with Emergency Procedure 20125, On-Site Emergency Organization) to begin required corrective and protective actions.

8.3 ALERT

If an ALERT is declared, the Emergency Coordinator shall complete the actions specified in the attached Alert Checklist. These actions include required off-site notifications, on-site protective actions, and activation of on-site support centers.

8.4 SITE AREA EMERGENCY

If a Site Area Emergency is declared, the Emergency Coordinator shall complete the actions specified in the attached Site Area Emergency Checklist. These actions include required off-site notifications, on-site protective actions, and activation of on-site support centers.

8.5 GENERAL EMERGENCY

If a General Emergency is declared, the Emergency Coordinator shall complete the actions specified in the attached General Emergency Checklist. These actions include required off-site notifications, on-site protective actions, and activation of on-site support centers.

8.6 MEDICAL EMERGENCIES

See attached Medical Emergency Checklist.

8.7 Responsibilities for off-site communications and coordination may be relinquished first to the Technical Support Center Supervisor and then to the Emergency Control Officer when they establish contact and assume responsibility.

EMERGENCY PROCEDURE 20101, PAGE 4
DUTIES OF EMERGENCY COORDINATOR

ALERT CHECKLIST
(Page 1 of 2)

Actions to be taken by Emergency Coordinator
in the event of an ALERT

- _____ 1. Direct initial corrective action to mitigate the problem and bring the plant to a safe, stable condition.
_____ Fire/Explosion - see attached Fire/Explosion Checklist and Emergency Procedure 20107
_____ Medical - see attached Medical Emergency Checklist
- _____ 2. If evacuation of an area is necessary, notify personnel of the emergency condition over the page system, initiate a local evacuation in accordance with Emergency Procedure 20109, Criteria For and Conduct of Local Evacuation. Announce the following:
_____ Area Affected
_____ Assembly Area
- _____ 3. Direct Nuclear Watch Engineer to mobilize interim Emergency Teams to respond as necessary.
- _____ 4. Complete the attached Emergency Information Checklist including off-site dose projections using Emergency Procedure 20126, Radiation Release and Dose Projection.
- _____ 5. Relay information to the Duty Call Supervisor (see NPS Bulletin Board for scheduled supervisor and telephone number). Direct him to notify the individuals on his call list in Emergency Procedure 20104, Emergency Roster.

ALERT CHECKLIST
(Page 2 of 2)

Actions to be taken by Emergency Coordinator
in the event of an ALERT

- _____ 6. Notify, by telephone, the State Warning Point at the Bureau of Disaster Preparedness in Tallahassee and communicate Emergency Information Checklist data.
- _____ 7. Notify, by telephone, the State Department of Health and Rehabilitative Service in Tallahassee and communicate Emergency Information Checklist data.
- _____ 8. Notify, by telephone, the Dade County Civil Defense Office in Miami and communicate Emergency Information Checklist data.
- _____ 9. Notify, by telephone, the Monroe County Disaster Preparedness office in Key West, and communicate Emergency Information Checklist data.
- _____ 10. If local evacuation was conducted, verify from Security Team Leader that all personnel are accounted for.
- _____ 11. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- _____ 12. Direct Shift Technical Advisor to activate the Technical Support Center.
- _____ 13. Activate the Operational Support Center.
- _____ 14. Notify NRC via ENS hot-line (within one hour).
- _____ 15. Brief the Technical Support Center Supervisor (normally Technical Department Supervisor) on events. Direct him to provide State and County with periodic updates.
- _____ 16. Reassess the Emergency Classification and update the Emergency Information Checklist with Technical Support Center Supervisor.
- _____ 17. Relinquish control and communication responsibilities to the Emergency Control Officer when he assumes the responsibilities.

SITE AREA EMERGENCY CHECKLIST
(Page 1 of 2)

Actions to be taken by Emergency Coordinator
in the event of SITE AREA EMERGENCY

- _____ 1. Order initial _____
_____ Fire/Explosion - See Attached Fire/Explosion Checklist and
Emergency Procedure 20107
_____ Medical - See Attached Medical Emergency Checklist
- _____ 2. If evacuation is necessary, notify personnel of the emergency condition
over the PA system (crossconnect the page _____, class, and
type of emergency, and order all non-essential personnel to commence
evacuation of the Owner Controlled Area in accordance with Emergency
Procedure 20110, Criteria for and Conduct of Owner Controlled Area
Evacuation.
- _____ 3. If site evacuation is necessary, sound Site Evacuation Alarm.
- _____ 4. If site evacuation is necessary, repeat PA announcement.
- _____ 5. If site evacuation is necessary, order Security Team Leader to evacuate
Owner Controlled Area and to report personnel accountability as soon as
possible.
- _____ 6. Direct Nuclear Watch Engineer to mobilize other interim Emergency Teams
as necessary.
- _____ 7. Complete the attached Emergency Information Checklist, including off-
site dose projection using Emergency Procedure 20126, Radiation Release
and Dose Projection.
- _____ 8. Relay information to the Duty Call Supervisor (see NPS Bulletin Board
for scheduled supervisor and telephone number). Direct him to notify
the personnel on his call list in Emergency Procedure 20104, Emergency
Roster.

(Alternate - notify System Operations Power Coordinator).

EMERGENCY PROCEDURE 20101, PAGE 7
DUTIES OF EMERGENCY COORDINATOR

SITE AREA EMERGENCY CHECKLIST
 (Page 2 of 2)

Actions to be taken by Emergency Coordinator
in the event of SITE AREA EMERGENCY

_____ 9. Make NAWAS Announcement:

"State Warning Point Tallahassee, this is Tropical Marlin"
 (State Warning Point will give a go-ahead)

"State Warning Point Tallahassee, this is Tropical Marlin, we have a
 SITE AREA EMERGENCY, repeat SITE AREA EMERGENCY

Time: _____ Zulu (EST + 5 hrs., DST + 4 hrs.)

(Relay Emergency Information Checklist data including off-site dose
 projections)

Acknowledge, over."

_____ 10. State Warning Point Acknowledgment Time: _____
 (NAWAS announcement also serves to notify Dade and Monroe Counties and
 the State Department of Health and Rehabilitative Services).

_____ 11. Turn on LGR, contact Dade County Civil Defense, inform them that site
 evacuation has started, (if it has) location of assembly area(s),
 evacuation route(s). Notify them of any wind changes, and when
 evacuation is completed.

_____ 12. Verify that each operator on shift is uninjured and relay names and
 keycard numbers to Security Team Leader.

_____ 13. Notify EAFB Command Post, if their services are required.

_____ 14. Verify from Security Team Leader that Owner Controlled Evacuation is
 complete and that all personnel are accounted for.

_____ 15. Reassess corrective and protective actions. Verify activities underway,
 reassign personnel and teams as necessary.

_____ 16. Direct Shift Technical Advisor to activate the Technical Support Center.

_____ 17. Notify NRC via hot-line (within one hour).

_____ 18. Brief the Technical Support Center Supervisor (normally the Technical
 Department Supervisor) on events. Direct him to update State and County
 periodically (EOF will perform these updates when operational).

_____ 19. Reassess the Emergency Classification and update the Emergency
 Information Checklist with the Technical Support Center Supervisor.

_____ 20. Relinquish Emergency Coordinator control and communications
 responsibilities to the Emergency Control Officer when he assumes the
 responsibilities.

GENERAL EMERGENCY CHECKLIST

(Page 1 of 3)

Actions to be taken by Emergency Coordinator
in the event of GENERAL EMERGENCY

- _____ 1. Order initial corrective action per Emergency Operating Procedures.
- _____ 2. Notify personnel of the emergency condition over the PA system (crossconnect the page), giving location, class, and type of emergency.
- _____ 3. Order all non-essential personnel to commence evacuation of the Owner Controlled Area in accordance with Emergency Procedure 20110, Criteria for and Conduct of Owner Controlled Area Evacuation.
- _____ 4. Sound Site Evacuation Alarm.
- _____ 5. Repeat PA announcement.
- _____ 6. Order Security Team Leader to evacuate Owner Controlled Area and to report personnel accountability as soon as possible.
- _____ 7. Direct Nuclear Watch Engineer to mobilize other interim Emergency Teams as necessary.
- _____ 8. Make NAWAS Announcement:

"State Warning Point Tallahassee, this is Tropical Marlin"
(State Warning Point will give a go-ahead)

"State Warning Point Tallahassee, this is Tropical Marlin, we have a
GENERAL EMERGENCY, repeat GENERAL EMERGENCY.

Time: _____ Zulu (EST + 5 hrs., DST + 4 hrs.)

Wind: _____ mph from _____ degrees

Conditions are (stable/unstable)

Additional EMERGENCY INFORMATION will be forthcoming shortly.
Acknowledge, over."

- _____ 9. State Warning Point Acknowledgment Time: _____

(NAWAS announcement also serves to notify Dade and Monroe Counties and the State Department of Health and Rehabilitative Services.)

GENERAL EMERGENCY CHECKLIST

(Page 2 of 3)

Actions to be taken by Emergency Coordinator
in the event of GENERAL EMERGENCY

- _____ 10. Complete Emergency Information Checklist including off-site dose projections using Emergency Procedure 20126, Radiation Release and Dose Projection.
- _____ 11. NAWAS Announcement:
- "State Warning Point Tallahassee, this is Tropical Marlin."
(State Warning Point will give a go-ahead).
- "State Warning Point Tallahassee, this is Tropical Marlin, with additional information on our GENERAL EMERGENCY.
- Time: _____
- (Relay Emergency Information Checklist data, including off-site dose projections.)
- Acknowledge, over."
- _____ 12. State Warning Point Acknowledgment Time: _____.
- _____ 13. Relay information to the Duty Call Supervisor (see NPS Bulletin Board for scheduled supervisor and telephone number). Direct him to notify the personnel on his call list in Emergency Procedure 20104.
- (Alternate - Notify System Operations Power Coordinator).
- _____ 14. Turn on LGR, contact Dade County Civil Defense, inform them that site evacuation has started, location of assembly area(s), evacuation route(s). Notify them of any wind changes, and when evacuation is completed.

GENERAL EMERGENCY CHECKLIST

(Page 3 of 3)

Actions to be taken by Emergency Coordinator
in the event of GENERAL EMERGENCY

- _____ 15. Verify that each operator on shift is uninjured and relay names and keycard numbers to Security Team Leader.
- _____ 16. Notify HAFB Command Post - direct line.
- _____ 17. Verify from Security Team Leader that Owner Controlled Evacuation is complete and that all personnel are accounted for.
- _____ 18. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- _____ 19. Order Shift Technical Advisor to activate the Technical Support Center.
- _____ 20. Notify NRC via ENS hot-line (within one hour).
- _____ 21. Brief the Technical Support Center Supervisor (normally the Technical Department Supervisor) on events. Direct him to update State and County periodically. (ECF will perform these updates when operational.)
- _____ 22. Reassess the Emergency Classification and update the Emergency Information Checklist with the Technical Support Center Supervisor.
- _____ 23. Relinquish control and communications responsibilities to the Emergency Control Officer when he assumes the responsibilities.

EMERGENCY PROCEDURE 20101, PAGE 11
DUTIES OF EMERGENCY COORDINATOR

EMERGENCY INFORMATION CHECKLIST

1. Description of Incident: _____

2. Emergency Classification: _____
3. Location of Incident: _____
4. Date/Time of Incident: _____
5. Assessment of the emergency (including potential for escalating to higher class):

6. Personnel injuries and radiation exposures: _____

7. Estimate of radioactive material released: _____

8. Areas potentially affected: _____

9. Wind speed: _____
10. Wind direction and range over past hour: _____
11. Assessment of potential radiation exposure to persons off-site (use Emergency Procedure 20126, Radiation Release and Dose Projection) _____

EMERGENCY PROCEDURE 20101, PAGE 12
DUTIES OF EMERGENCY COORDINATOR

FIRE OR EXPLOSION EMERGENCY CHECKLIST

TIME

- _____ P. A. Announcement of location and extent of fire (cross connect PA to all units)
- _____ Sound Fire Alarm
- _____ Activate Interim Emergency Teams - PA Announcement
- _____ Dade County Fire Department - 911
- _____ EAFB (Radiological, large, and if county cannot readily respond) - Direct line to command post.
- _____ Return to appropriate ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY checklist.

EMERGENCY PROCEDURE 20101, PAGE 13
DUTIES OF EMERGENCY COORDINATOR

3/26/81

MEDICAL EMERGENCY CHECKLIST

TIME

Determine:

Name of Victim _____ Employer (if not FPL) _____
Nature and Extent of Injury _____
Location _____ Is Victim contaminated _____

Ensure Victim gets first aid by:

Sending N.W.E. and extra operator to scene and activating First Aid and Personnel Decontamination Team (Notify Radiochemist or Chemistry Supervisor at _____ on Bell phone or _____ on PAX phone).

NOTIFY:

Health Physics	PAX	BELL	RADIO (CHANNEL _____)
Site Manager	PAX	BELL	
Plant Manager-Nuclear	PAX	BELL	

When determined, notify Captain of Guard where to direct ambulance, etc.

RADIO (CHANNEL _____) PAX _____ BELL _____

Nuclear Plant Supervisor should:

1. Determine mode of transportation based on nature and extent of injuries. (Ensure victim's TLD, selfreader, ID badge and key card are retained on site).

- a) Immediate life threatening condition:
DADE COUNTY FIRE RESCUE PHONE: _____
ECMESTAD AIR FORCE BASE
(if contaminated) 3 and 4 Emer. Phone (red)
- b) Medical treatment for serious injury: PHONE: _____
RANDLE EASTERN AMBULANCE Alt: _____
- c) Medical treatment for minor injuries:
FPL Vehicle - Call Maintenance Supervisor

2. Decide where to send victim and notify them he is coming.

- a) Non-radioactively contaminated victims:
Send to CORAL REEF GENERAL HOSPITAL PHONE: _____
- b) Radioactively contaminated victims send to:
See EP 20101 - Appendix I - "REEF Notification"
MT. SINAI HOSPITAL (primary) PHONE: _____
BAPTIST HOSPITAL (backup) PHONE: _____

3. If Site Manager not available, notify Administrative Assistant.
(PAX _____ or BELL _____ or Duty Call Supervisor - See Emergency Poster

EMERGENCY PROCEDURE 20101, PAGE 14
DUTIES OF EMERGENCY COORDINATOR

APPENDIX 1

REEP NOTIFICATION

In the event of a radiation emergency which requires the transportation of casualties to REEP, located within Mt. Sinai Hospital, the Emergency Coordinator shall transmit the following information, if it is available:

1. Name of casualty being transported _____

2. Types of injuries involved and body part:

a. Fractures _____

b. Burns _____

c. Hemorrhaging _____

d. Other _____

e. Ambulatory: Yes _____ No _____

3. Radiation contamination status:

a. Type of instrument used _____

b. _____

BODY PART	BEFORE DECONTAMINATION C/M	AFTER DECONTAMINATION C/M
1.		
2.		
3.		
4.		
5.		

c. Radioisotopes involved _____

d. Decontamination procedures used _____

4. Type of transporting vehicle _____

5. Time of departure from plant _____

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20102
MARCH 26, 1981

1.0 Title:

DUTIES OF AN INDIVIDUAL WHO DISCOVERS AN EMERGENCY CONDITION

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by [Signature] Plant Mgr-Nuclear, March 27, 1981

Approved by [Signature] Vice President
Power Resources MARCH 27, 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	2	3/26/81	3	3/26/81

3.0 Scope:

3.1 Purpose:

This procedure provides the actions to be taken by an individual who discovers an emergency condition.

3.2 Definitions:

3.2.1 An emergency condition is an incident which could result in personnel injury and/or damage to plant components. It may or may not be accompanied by high radiation or radioactive contamination. Examples of an emergency condition include but are not limited to:

1. Fire or explosion
2. Steam line break
3. Unanticipated high radiation field
4. Accidental release of reactor coolant
5. Accidental release of radioactive liquid waste
6. Accidental release of radioactive waste gas due to rupture or improper valve alignment in system piping.

EMERGENCY PROCEDURE 20102, PAGE 2
DUTIES OF AN INDIVIDUAL WHO DISCOVERS AND EMERGENCY CONDITION

3.3 Authority:

This procedure implements the Turkey Point Plant Emergency Plan.

4.0 Precautions:

All personnel should be continuously alert to detect any unsafe situation which, if not corrected, could result in an emergency condition. Strict adherence to existing operating and maintenance procedures and safety rules, and the exercise of good judgment could prevent the occurrence of an emergency condition.

5.0 Responsibilities:

5.1 All personnel shall notify the Nuclear Plant Supervisor of all unusual or emergency conditions.

6.0 References:

Turkey Point Plant Emergency Plan

7.0 Records and Notifications:

All significant information, events, and actions taken during the emergency period shall be recorded in a bound ledger kept by the Emergency Coordinator.

8.0 Instructions:

An individual who discovers an emergency condition shall:

8.1 Take any immediate action he is qualified to perform that will aid in controlling and minimizing the effects of the emergency such as:

8.1.1 Extinguishing a small fire with fire fighting equipment located in the immediate area.

8.1.2 Locally stopping machinery that is contributing to the severity of the emergency (stopping a pump when the downstream piping was ruptured, de-energizing a burning motor, etc.)

8.1.3 Closing an upstream valve when a system pipe rupture has occurred.

8.1.4 Helping injured personnel from the affected area, if necessary, to minimize their exposure to further injury. Do not attempt to move seriously injured or unconscious personnel unless failure to act will obviously place the victim in grave danger.

3/26/81

EMERGENCY PROCEDURE 20102, PAGE 3
DUTIES OF AN INDIVIDUAL WHO DISCOVERS AND EMERGENCY CONDITION

- 8.1.5 Warning other personnel in the affected area to withdraw to a safe area.
- 8.2 Notify the Nuclear Plant Supervisor over the PA System, on any PAX telephone or by face-to-face communication, whichever is faster. Give the following information:
 - 8.2.1 Type of emergency (fire, pipe rupture, etc.)
 - 8.2.2 Location of emergency
 - 8.2.3 Any injury to personnel, including obvious signs that would indicate the seriousness of the injury.
 - 8.2.4 Extent of damage to plant components.
- 8.3 Withdraw to a safe area
- 8.4 If possibility of radioactive contamination exists, remain in a safe area until monitored.
- 8.5 Follow instructions issued by the Nuclear Plant Supervisor (Emergency Coordinator)

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20103
MARCH 26, 1981

1.0 Title:

CLASSIFICATION OF EMERGENCIES

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by [Signature] Plant Mgr-Nuclear, March 27, 1981

Approved by [Signature] Vice President
Power Resources MARCH 27, 1981

2.2 List of Effective Pages:

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2	3/26/81	5	3/26/81	8	3/26/81	11	3/26/81
3	3/26/81	6	3/26/81	9	3/26/81		

3.0 Scope:

3.1 Purpose:

This procedure provides instructions on the classification of emergencies at Turkey Point Plant.

3.2 Discussion:

Four levels of emergency classification are established. In order of increasing seriousness, these are:

Unusual Event
Alert
Site Area Emergency
General Emergency

A gradation is provided to assure fuller response preparations for more serious conditions.

EMERGENCY PROCEDURE 20103, PAGE 2
CLASSIFICATION OF EMERGENCIES

3.3 Authority:

This procedure implements the Turkey Point Plant Emergency Plans.

3.4 Definitions:

- 3.4.1 Unusual Event - The Usual Event category is restricted to non-emergency conditions. It applies to off-normal events or conditions at the Plant for which no significant degradation of the level of safety of the plant has occurred or is expected. Any release of radioactive material which have occurred or which may be expected are minor and constitute no appreciable health hazard.
- 3.4.2 Alert - This classification is represented by events which involve an actual or imminent substantial degradation of the level of safety of the plant combined with a potential for limited uncontrolled radioactivity from the plant.
- 3.4.3 Site Area Emergency - This classification is composed of events which involve actual or likely major failures of plant functions needed for protection of the public combined with a potential for significant uncontrolled releases of radioactivity from the plant.
- 3.4.4 General Emergency - This classification is composed of events which involve actual or imminent substantial core degradation and potential loss of containment integrity combined with a likelihood of significant uncontrolled releases of radioactivity from the plant.

4.0 Precautions:

4.1 Conflicting Information:

When apparently conflicting information is available, the condition shall be classified at the most serious level indicated.

4.2 Judgmental Decision:

If, in the judgment of the Nuclear Plant Supervisor (Emergency Coordinator), a situation is more serious than indicated by instrument readings or other parameters, the emergency condition shall be classified at the appropriate level.

EMERGENCY PROCEDURE 20103, PAGE 3
CLASSIFICATION OF EMERGENCIES

5.0 Responsibilities:

5.1 Nuclear Plant Supervisor

- 5.1.1 The Nuclear Plant Supervisor shall promptly classify off-normal situations into one of the four defined categories.
- 5.1.2 If the diagnosis indicates that the condition is classified as an Alert, Site Area Emergency, or General Emergency the Nuclear Plant Supervisor shall follow the instructions in Emergency Procedure 20101, Duties of Emergency Coordinator.
- 5.1.3 If an emergency has been declared the Nuclear Plant Supervisor shall become the Emergency Coordinator and retain this position until relieved.

6.0 References:

- 6.1 Turkey Point Plant Emergency Plan
- 6.2 Emergency Procedure 20102, Duties of an Individual Who Discovers an Emergency Condition
- 6.3 Emergency Procedure 20101, Duties of Emergency Coordinator

7.0 Records and Notifications:

None

8.0 Instructions:

- 8.1 The Nuclear Plant Supervisor should initially classify a situation within 15 minutes of the time he has become aware of it. The initial classification shall be made on the basis of readily available observations and should not rely on laboratory analyses, measurements, or calculations which would require more than 15 minutes to perform.
- 8.2 If subsequent information of a more detailed nature (e.g., sampling results) becomes available after the initial classification has been made, the event shall be reclassified by the Emergency Coordinator if appropriate.
- 8.3 The Nuclear Plant Supervisor shall classify a situation to be an Unusual Event if conditions correspond to those on Table 1.
- 8.4 The Nuclear Plant supervisor shall classify an event to be an ALERT, if conditions correspond to those on Table 2 (left column).
- 8.5 The Nuclear Plant Supervisor shall classify an event to be a SITE AREA EMERGENCY if conditions correspond to those on Table 2 (middle column).
- 8.6 The Nuclear Plant Supervisor shall classify an event to be a GENERAL EMERGENCY if conditions correspond to those on Table 2 (right column).

TABLE 1

Events and Initiating Conditions for Unusual Events

1. ECCS initiated manually or automatically	Flow indicated on FI - * 943 (VP-8)
2. Uncontrolled effluent release	A release has occurred or is in progress which is greater than the Technical Specification limit, but less than ten times the Technical Specification limit (as shown by sample survey)
3. Fuel element failure	1. PRMS R-20 alarming, and 2. RCS I-131 activity is between 100 times normal and 300 uCi/ml.
4. Abnormal RCS temperatures and/or pressure	Core subcooling is determined to be zero by: 1. Subcooling margin monitor; or 2. Subcooling graph and RCS pressure and highest RCS loop temperature; or 3. Taking the differences between pressurizer temperature and highest RCS loop temperature.
5. Abnormal primary	1. RCS water inventory balance indicates unidentified leakage of more than 1 GPM; or 2. RCS water inventory balance indicates identified leakage of more than 10 GPM; or 3. RCS water inventory balance indicates leakage of more than 30 GPM to a connecting closed system; and 4. RCS water inventory balance indicates leakage is not greater than 50 GPM.
6. Abnormal primary to secondary leak rate	1. PRMS R-15 alarming, and 2. RCS water inventory balance indicates a leak of more than 10 GPM.
7. Failure of a primary safety or relief valve to close	1. Sustained increased temperature on TI-*463, TI-464, TI-465, TI-469; or 2. Indication of continued flow through safeties on TEC safety valve flow indicators; and 3. RCS pressure drops to less than 1600 psig.

EMERGENCY PROCEDURE 20103, PAGE 5
CLASSIFICATION OF EMERGENCIES

TABLE 1 (cont'd)

8. Failure of a secondary safety or relief valve to close	<p>Any 2 of the following 3:</p> <ol style="list-style-type: none"> 1. Rapid and continuing decrease in steam generator pressure to less than 500 psig; 2. Rapid RCS cool-down; 3. Audible steam relief noise lasting for longer than 10 minutes.
9. Sustained loss of off-site power or loss of on-site A.C. power capability	<ol style="list-style-type: none"> 1. Supply breakers indicate open; or 2. Volt and amperage meters indicate "0"
10. Loss of containment integrity	<ol style="list-style-type: none"> 1. Violation of containment integrity as defined in Section 1.5 of Technical Specifications unless the reactor is in the cold shutdown condition. 2. Violation of containment integrity as defined in Section 1.5 of Technical Specifications when the reactor vessel head is removed unless the reactor is in the refueling shutdown condition.
11. Loss of engineered safety features	<ol style="list-style-type: none"> 1. Loss of any equipment listed in the Technical Specifications Section 3.4 requiring plant shutdown; or 2. Loss of any instrumentation listed in Technical Specifications Section 3.5 requiring plant shutdown.
12. Loss of fire protection system	<ol style="list-style-type: none"> 1. Loss of any fire protection systems listed in Technical Specifications Section 3.14; and 2. Inability to make these systems operable within the specified time limits of Technical Specification 3.14.
13. Fire	Uncontrolled fire, not involving a safety system, but requiring off-site support.
14. Loss of assessment functions	Significant loss of effluent monitoring capability, meteorological instruments, communications, etc. (which impairs ability to perform emergency assessment).
15. Security threat	Security contingency resulting in initiation of the Turkey Point Plant Security Plan

EMERGENCY PROCEDURE 20103, PAGE 6
CLASSIFICATION OF EMERGENCIES

TABLE 1 (cont'd)

- | | |
|----------------------------------|---|
| 16. Natural phenomena | 1. Notification of the Weather Bureau of the approach of a hurricane or tornado |
| 17. Hazards to station operation | 1. Aircraft crash on-site or unusual aircraft activity over facility; or
2. On-site explosion; or
3. Toxic or flammable gas release at life threatening levels on-site. |
| 18. Contaminated Personnel | Transportation of contaminated injured individual(s) from the site to an off-site hospital |
| 19. Loss of Secondary Coolant | 1. Increasing containment pressure (leak inside containment) and unusually loud noise outside containment; and
2. Steamline pressure is abnormally lower in one steam generator, or high steamline flow with low average temperature (543° F) or low steam generator pressure (600 psig) on two of three steam generators. |

EMERGENCY PROCEDURE 20103, PAGE 7
CLASSIFICATION OF EMERGENCIES

TABLE 2

EVENTS, CLASSIFICATIONS AND INITIATING CONDITIONS

1. Uncontrolled Effluent Release

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
A release has occurred or is in progress that is 10 times the T.S. limit (as shown by sample/survey)	A release has occurred or is in progress resulting in 50 mR/hr (whole body) for 1/2 hr or 500 mR/hr (whole body) for two min at site boundary*	A release has occurred or is in progress resulting in 1 R/hr (whole body) or 5 R/hr (thyroid) at site boundary*

*These criteria will be implemented upon installation of Appendix I Instrumentation.

2. FUEL ELEMENT FAILURE

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
(1) PRMS R-20 alarming, and (2) RCS I-131 activity \geq 300 uCi/ml	Core damage with inadequate core cooling determined by: (1) RCS I-131 activity \geq 300 μ Ci/ml, and (2) RCS $T_h > 620^\circ$ F, or (3) Incore thermocouple temperatures $> 700^\circ$ F	Loss of 2 of 3 fission product barriers with a potential loss of 3rd barrier determined by: (1) RCS I-131 activity \geq 300 μ Ci/ml, and (2) Containment pressure > 20 psi, or (3) Loss of containment integrity as defined in Technical Specifications

EMERGENCY PROCEDURE 20103, PAGE 8
CLASSIFICATION OF EMERGENCIES

TABLE 2 (cont'd)

3. ABNORMAL PRIMARY LEAK RATE

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
RCS water inventory balance indicates > 50 GPM leakage	Loss of RCS coolant in excess of high head safety injection pump capacity, and containment pressure > 4 psi	Containment pressure > 20 psi

4. ABNORMAL PRIMARY/SECONDARY LEAK RATE

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
(1) RCS water inventory balance indicates > 50 GPM, and (2) PRMS R-15 or R-19 alarming	(1) Pressurizer level off-scale low, and (2) Safety injection has actuated, and (3) A sustained loss of both 4160 V busses has occurred	Refer to Event 1 (Uncontrolled Effluent Release)

5. FIRE

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
Uncontrolled fire, potentially affecting safety systems and requiring off-site support	Fire resulting in degradation of safety systems	

6. LOSS OF ASSESSMENT FUNCTIONS

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
All annunciator alarms lost > 15 minutes with plant not in shutdown or during plant transients		

EMERGENCY PROCEDURE 20103, PAGE 9
CLASSIFICATION OF EMERGENCIES

TABLE 2 (cont'd)

7. NATURAL PHENOMENA

ALERT

- (1) Notification by the Weather Bureau of the approach of a hurricane with winds up to design basis (225 mph) levels, or
- (2) Any tornado striking facility

SITE EMERGENCY

Notification by the Weather Bureau of the approach of a hurricane with winds > design basis (225 mph) levels

GENERAL EMERGENCY

SITE EMERGENCY

GENERAL EMERGENCY

8. HAZARDS TO STATION OPERATION

ALERT

- (1) Aircraft crash on-site damaging vital plant systems, or
- (2) Damage to safe shutdown equipment from missiles or explosion

Refer to Event 1 (Uncontrolled Effluent Release)

9. LOSS OF SECONDARY COOLANT

ALERT

Loss of secondary coolant downstream of MSIV with malfunction of MSIV(s) or > 10 GPM primary to secondary leak:

- (1) Indication of a major steam leak, and
- (2) MSIV(s) are in position other than closed, or
- (3) RCS water inventory balance indicates > 10 GPM leakage

SITE EMERGENCY

Loss of secondary coolant with > 50 GPM primary/secondary leak rate and fuel damage:

- (1) Indication of a major steam leak, and
- (2) RCS water inventory balance indicates > 50 GPM leakage with High Air Ejector Radiation, and
- (3) RCS I-131 activity $\geq 300 \mu\text{Ci/ml}$

GENERAL EMERGENCY

Refer to Event 1 (Uncontrolled Effluent Release)

EMERGENCY PROCEDURE 20103, PAGE 10
CLASSIFICATION OF EMERGENCIES

TABLE 2 (cont'd)

10. HIGH RADIATION LEVELS IN PLANT

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
General area radiation levels > 1000 times normal due to high radiation or high airborne radioactivity from an unidentified and/or unisolated source, as indicated by area radiation monitoring system and area radiation sample or survey	Refer to Event 1 (Uncontrolled Effluent Release)	Refer to Event 1 (Uncontrolled Effluent Release)

11. COOLANT PUMP SEIZURE WITH FUEL DAMAGE

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
(1) Reactor coolant system flow indication decreases rapidly, and (2) PRMS R-20 alarming, and (3) RCS I-131 activity > 300 $\mu\text{Ci}/\text{m}$	Refer to Event 1 (Uncontrolled Effluent Release)	Refer to Event 1 (Uncontrolled Effluent Release)

12. FUEL HANDLING ACCIDENT

<u>ALERT</u>	<u>SITE EMERGENCY</u>	<u>GENERAL EMERGENCY</u>
Fuel handling accident which results in the release of radioactivity to containment or spent fuel pit area: (1) Direct information from fuel handling personnel indicating that an irradiated fuel assembly has been damaged and gas bubbles are escaping, and (2) Associated area or process monitoring channels are alarm	Refer to Event 1 (Uncontrolled Effluent Release)	Refer to Event 1 (Uncontrolled Effluent Release)

EMERGENCY PROCEDURE 20103, PAGE 11
CLASSIFICATION OF EMERGENCIES
TABLE 2 (Cont'd)

13. CONTROL ROOM EVACUATION

ALERT

Evacuation of control room and control not established locally within 15 minutes

SITE EMERGENCY

GENERAL EMERGENCY

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20104
MARCH 26, 1981

1.0 Title:

EMERGENCY ROSTER

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by *J. K. Aloys* Plant Mgr. -Nuc March 27, 1981

Approved by *A. Schmidt* Vice President
Power Resources MARCH 27, 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	5	3/26/81	9	3/26/81	13	3/26/81
2	3/26/81	6	3/26/81	10	3/26/81	14	3/26/81
3	3/26/81	7	3/26/81	11	3/26/81		
4	3/26/81	8	3/26/81	12	3/26/81		

3.0 Scope:

3.1 Purpose:

This procedure provides the phone numbers of personnel involved with emergency response to be called by the Emergency Coordinator, the Duty Call Supervisor, and the Security Shift Supervisor.

3.2 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plans.

4.0 Precautions:

None

5.0 Responsibilities:

5.1 The Quality Control Supervisor shall be responsible for periodic verification and updating of this procedure.

5.2 FPL personnel in this procedure should notify the QC Supervisor when a change pertinent to information appearing in the roster occurs.

6.0 References:

Turkey Point Plant Radiological Emergency Plan

7.0 Records and Notifications:

None

8.0 Instructions:

- 8.1 Appendix A is the Emergency Coordinator Call List. This appendix is used to provide the telephone numbers of personnel and organizations which the Emergency Coordinator is required by Emergency Procedure 20101, Duties of Emergency Coordinator, to contact in an emergency.
- 8.2 Appendix B is the Duty Call Supervisor's Call List of personnel and organizations that shall be notified by the Duty Call Supervisor in an emergency.
- 8.3 Appendix C is the Security Shift Supervisor's Call List of personnel who shall be notified during an emergency.
- 8.4 Appendix D contains miscellaneous phone numbers that may be needed during an emergency.

EMERGENCY PROCEDURE 20104, PAGE 3
EMERGENCY ROSTER

APPENDIX A

Emergency Coordinator's Call List

DUTY CALL SUPERVISORS - The following individuals may be Duty Call Supervisors. Their home telephone number is listed by each.

P. W. Hughes

D. W. Haase

J. E. Moore

J. K. Hays . . .

V. B. Wager . .

K. E. Beatty . .

If Duty Call Supervisor is not available at listed phone, place beeper call by dialing on any PTP Bell phone switchboard extension as follows: When the beeper number is reached, there will be a series of high pitched tones in the telephone receiver that alerts the beeper carrier that a message is to be transmitted. When the high pitched tones cease, speak slowly and clearly into the telephone and tell the Duty Call Supervisor (by name) to call the Turkey Point Plant. Repeat message, then hang up the telephone.

EXAMPLE: "Joe Smith, call Turkey Point Plant - Joe Smith, call Turkey Point Plant"

If the Duty Call Supervisor does not call promptly, notify System Operations Power Coordinator and tell him to call the Team Leaders and Alternate Team Leaders on the Duty Call Supervisor's Call List.

3/26/81

EMERGENCY PROCEDURE 20104, PAGE 4
EMERGENCY ROSTER

APPENDIX A


EMERGENCY COORDINATOR'S CALL LIST (cont'd)

SERVICE	AGENCY NAME/ADDRESS	PHONE
FOR PERSONNEL INJURY:		
<u>Radiological:</u>		
Transportation (All Hours)	Homestead Air Force Base Command Duty	Direct Line or or or
Treatment (All Hours)	REEF Radiation Emergency Evaluation Facility Mount Sinai Hospital 4300 Alton Road, Miami Beach	Switchboard Supervisor
Interim (All Hours)	Baptist Hospital 8900 S. W. 88 Street, Miami	
<u>Nonradiological:</u>	Refer to List of FPL approved physicians if doctor is needed	
Treatment (All Hours)	Baptist Hospital Emergency Room, 8900 S. W. 88 St., Miami	
	Coral Reef General Hospital 9333 S. W. 152 Street, Miami	
Ambulance (All Hours)	Randle-Eastern Ambulance Service 35 S. W. 27 Ave., Miami	Alt:
	Dade County Fire Department Alt: Fire Captain	
FOR FIRES	Homestead Air Force Base Command Post Duty Officer	Direct Line or or or

EMERGENCY PROCEDURE 20104, PAGE 5
EMERGENCY ROSTER

APPENDIX A

EMERGENCY COORDINATOR'S CALL LIST (cont'd)

TITLE OR ORGANIZATION	NAME AND/OR ADDRESS	OFFICE	OFF-HOURS
ALERT CLASS:			
Duty Call Supervisor	See Duty Call Supervisor's List		
Bureau of Disaster Preparedness	State Warning Point Tallahassee Alternate: S.W.P.		
Dept. of Health and Rehabilitative Services	Radiological Emergency Duty Officer, Orlando		
Dade County Civil Defense Office	A. C. Fischer, Dep. Director		
Monroe County Civil Defense Office			
Nuclear Regulatory Commission	NRC Operations Center	ENS (Red phone) NWE office or Unit 3 NCCO Desk	ENS (Red phone) NWE office or Unit 3 NCCO Desk
Onsite NRC Resident Inspector Alternate	W. Marsh A. Ignatonis	Bell PAX Same as above	

APPENDIX A

EMERGENCY COORDINATOR'S CALL LIST (cont'd)

TITLE OR ORGANIZATION	NAME AND/OR ADDRESS	OFFICE	OFF-HOURS
SITE AREA EMERGENCY			
Main Entrance Station		Bell PAX [REDACTED]	
Duty Call Supervisor	See List of Duty Call Supervisors		
Bureau of Disaster Preparedness	State Warning Point Tallahassee If NAWAS is inoperable:	NAWAS [REDACTED] (ALT. S.W.P.)	NAWAS [REDACTED]
*Dade County Civil Defense Office	A. C. Fischer, Dep. Director Alternate	LGR [REDACTED]	
*Monroe County Civil Defense Office		LGR	
Homestead Air Force Base	Command Post Duty Officer	Direct Line or [REDACTED]	Same
Nuclear Regulatory Commission	NRC Operations Center	ENS (Red phone) NWE office or Unit 3 NCCO Desk	ENS (Red phone) NWE office or Unit 3 NCCO Desk

*The counties are simultaneously notified, via NAWAS, with BDP. DHRS also receives this notification.

APPENDIX A



EMERGENCY COORDINATOR'S CALL LIST (cont'd)


TITLE OR ORGANIZATION	NAME AND/OR ADDRESS	OFFICE	OFF-HOURS
<u>GENERAL EMERGENCY</u>			
Main Entrance Station		Bell PAX [REDACTED]	Bell PAX [REDACTED]
Duty Call Supervisor	See List of Duty Call Supervisors		
Bureau of Disaster Preparedness	State Warning Point Tallahassee If NAWAS is inoperable:	NAWAS (Alt. SWP)	NAWAS
*Dade County Civil Defense Office	A. C. Fischer, Dep. Director Alternate	LGR [REDACTED]	[REDACTED]
*Monroe County Civil Defense Office		LGR	
Homestead Air Force Base	Command Post Duty Officer	Direct Line or [REDACTED]	Same
Nuclear Regulatory Commission	NRC Operations Center	ENS (Red phone) NWE office or Unit 3 NCCO Desk	ENS (Red phone) NWE office or Unit 3 NCCO Desk

*The counties are simultaneously notified, via NAWAS, with BDP. DHS also receives this notification.

APPENDIX B

DUTY CALL SUPERVISOR'S CALL LIST

TITLE	NAME	PHONE/BEEPER	
		HOME	OFFICE
For an Emergency classified as Alert, Site Area Emergency, or General Emergency Duty Call Supervisor notifies:			
Emergency Control Officer	A. E. Schmidt		
	C. O. Woody		
	J. R. Bensen		
	K. N. Harris		
	R. J. Acosta		
	D. K. James		
	H. N. Paduano		
H. F. Story			

1. If the Emergency Control Officer or his first alternate cannot be reached, the appropriate Duty Officer should be contacted. The appropriate Radiological Duty Officer will be one of those listed above and is listed on the Power Resources Radiological Duty Officer Roster for the week involved.
2. The ECO Emergency Office (GO) telephone number is 

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EMERGENCY PROCEDURE 20104, PAGE 9
EMERGENCY ROSTER

APPENDIX B

DUTY CALL SUPERVISOR'S CALL LIST (cont'd)

As requested by the Emergency Coordinator or based on his judgment for the specific emergency in question - Duty Call Supervisor notifies:

TITLE	NAME/ADDRESS	PHONE/BEEPER	
		HOME	OFFICE
RADIATION TEAM			
Leader	P. W. Hughes		
Alternate Leader	T. S. Peck		
FIRST AID/PERSONNEL DECONTAMINATION TEAM			
Leader	E. R. LaPierre		
Alternate Leader	J. S. Wade		
SECURITY TEAM			
Leader	R. E. Garrett		
1st Alt. Leader	D. T. Bunt		
2nd Alt. Leader	K. L. Fagan		
RECOVERY AND RESTORATION TEAM			
Leader	J. E. Moore		
Alternate Leader	D. W. Haase		
ASSEMBLY AREA			
Assembly Area Supv.	V. A. Kaminskas		
Alternate Assembly Area Supervisor	R. G. Mende		
Onsite NRC Resident Inspector	W. Marsh		
Alternate	A. Ignatonis		

3/26/81

EMERGENCY PROCEDURE 20104, PAGE 10
EMERGENCY ROSTER

APPENDIX B

DUTY CALL SUPERVISOR'S CALL LIST (cont'd)

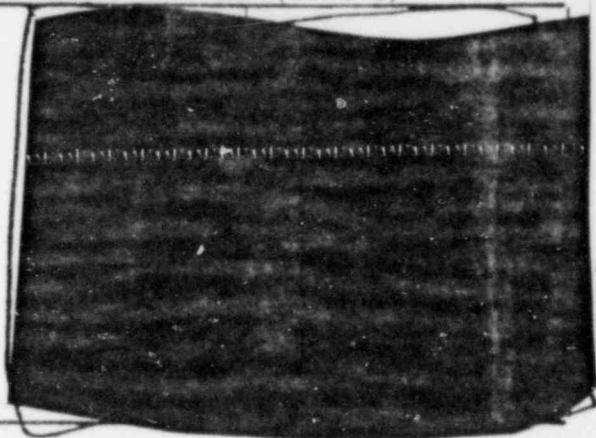
TITLE	NAME	PHONE/BESPER	
		HOME	OFFICE
ADDITIONAL PLANT PERSONNEL WHO IT MAY BE APPROPRIATE TO CONTACT			
Site Manager	H. E. Yaeger		
Q. C. Supervisor	D. W. Jones		
Plant Manager - Nuc	J. K. Hays		
Nuc. Operations Supv.	V. B. Wager		
Training Supervisor	K. E. Beatty		
Plant Manager - Fossil	T. D. Burkett		
Oper. Supt. - Fossil	C. L. Yates		
Plant Supervisor I - Fossil Operations	R. C. Kosel		
Maint. Supt. - Fossil	E. D. Whittenton		
Plant Supv. - Results	J. H. Norman		
Maint. Supt. - Nuc.	J. P. Mendieta		
Plant Supv. I	L. L. Thomas		
Asst. Superintendent- Elect. Maintenance	W. R. Williams Jr.		
Instrument and Control Supervisor	J. P. Lowman		
Asst. Superintendent- Nuclear Maintenance	B. C. Kilpatrick		
Nuclear Plant Supv.	J. E. Crockford		
Nuclear Plant Supv.	G. G. Jones		
Nuclear Plant Supv.	L. C. Buenniger		
Nuclear Plant Supv.	C. A. Coker		

APPENDIX B

DUTY CALL SUPERVISOR'S CALL LIST (cont'd)

TITLE	NAME	PHONE/BEEPER	
		HOME	OFFICE

ADDITIONAL PLANT PERSONNEL WHO IT MAY BE APPROPRIATE TO CONTACT (cont'd)

Nuclear Plant Supv.	T. A. Finn		
Nuclear Plant Supv.	J. L. Whitehead		
Plant Engineer II	W. C. Miller		
Quality Assurance - Operations	S. M. Feith		
Plant Construction	G. R. Gram		

APPENDIX B

DUTY CALL SUPERVISOR'S CALL LIST (cont'd)


FOR NATURAL EMERGENCIES

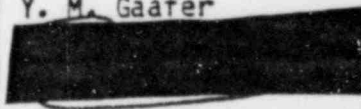
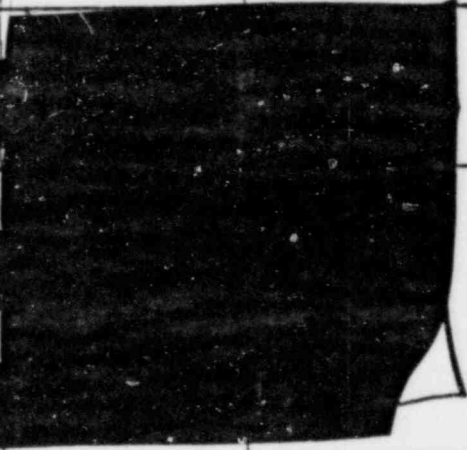
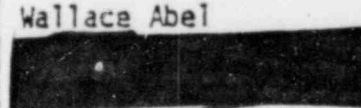
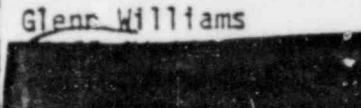
DUTY CALL SUPERVISOR NOTIFIES:	TORNADO WATCH	TORNADO WARNING	HURRICANE WATCH	HURRICANE WARNING	TELEPHONE/BEEPER	
					HOME	PLANT
EMERGENCY CONTROL OFFICER A. D. Schmidt		X		X	See First Page of Appendix B	
SITE MANAGER H. E. Yaeger	X	X	X	X		
PLANT MANAGER NUCLEAR J. K. Hays	X	X	X	X		
PLT. SECURITY SUPERVISOR R. E. Garrett			X	X		
OPERATIONS SUPT.-NUCLEAR J. E. Moore			X	X		
MAINTENANCE SUPT.-NUC. J. P. Mendieta		X	X	X		
TECHNICAL SUPERVISOR D. W. Haase			X	X		
I and C SUPERVISOR J. P. Lowman			X	X		
LAND MANAGEMENT SITE MANAGER Y. M. Gaafer (Alts: See Captain of Guard's Call List)			X			

FURTHER PERSONNEL REQUIRED: Up to discretion of Duty Call Supervisor for each individual situation.

APPENDIX C

CAPTAIN OF THE GUARD'S CALL LIST

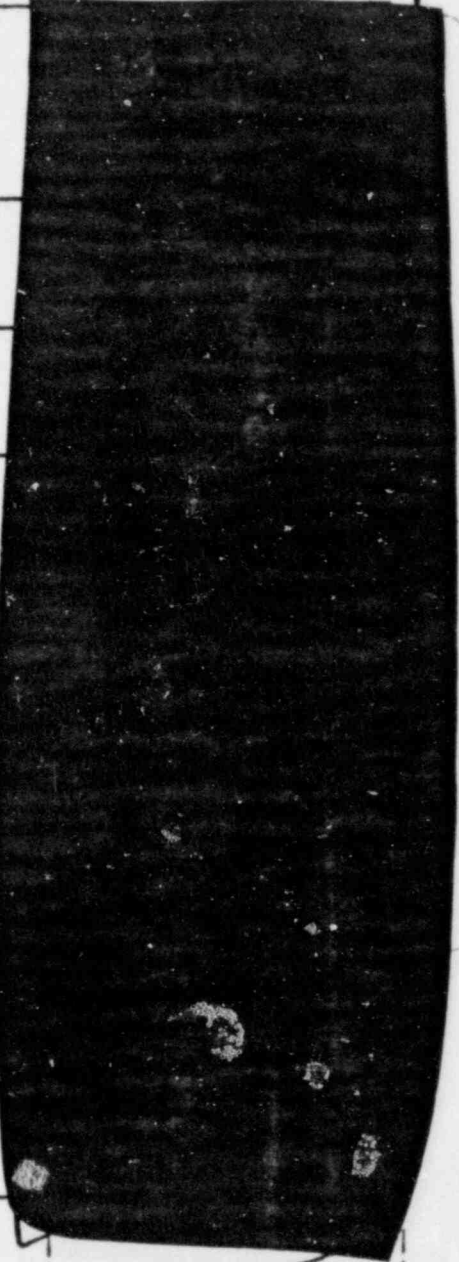
TITLE	PHONE
U. S. Air Force Sea Survival School Training Facility	
Bechtel Corporation	
Land Management (Cooling Canals)	

TITLE	NAME/ADDRESS	TELEPHONE	
		HOME	OFFICE
(Land Management)	Y. M. Gaafer 		
<u>Alternates:</u>	Wallace Abel 		
	Glenn Williams 		

APPENDIX D

ADDITIONAL USEFUL NUMBERS

This section lists numbers, not included in any of the call lists, which may be of use during an emergency condition.

FUNCTION	LOCATION	TELEPHONE
On Site Emergency Control Station	Turkey Point Units 3 and 4 Control Room	
On Site Emergency Control Station	Turkey Point Main Entrance Station	
Re-Entry Assembly Area, FPL Personnel	Site Boundary Station	
Operational Support Center	South Assembly Room Administration Building	
	St. Lucie Plant	
General Office Info. (business hours only)	General Office	
Assembly Area, All Personnel	Florida City Substation 16100 SW 344 Street (Palm Drive)	
Technical Support Center	Turkey Point SW of I and C Building	
Emergency Operations Facility	Construction Trailers	

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20105
MARCH 25, 1981

1.0 Title:

ON-SITE SUPPORT CENTERS

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by A. K. Adams Plant Mgr-Nuclear, March 27, 1981

Approved by W. W. Hume Vice President
Power Resources MARCH 27 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	3	3/26/81	5	3/26/81
2	3/26/81	4	3/26/81		

3.0 Scope:

3.1 Purpose:

This procedure provides guidelines and responsibilities for activation and use of the on-site interim Technical and Operational Support Centers. This procedure describes interim facilities and shall be revised when permanent facilities are operational.

3.2 Discussion:

The activities of plant management, technical, and engineering support personnel are an important part of the overall site response to an accident, and must be properly defined and logistically supported. The need for additional operational support personnel, other than those required and allowed in the control room, is also recognized as vitally important in properly responding to an emergency.

The intent of providing Technical and Operational Support Centers is to provide bases where post-accident emergency planning can be conducted and required operational support personnel can assemble for potential duty. Both centers will be in close communication with the Control Room via the PAX phone system.

EMERGENCY PROCEDURE 20105, PAGE 2
ON-SITE SUPPORT CENTERS

3.3 Description:

3.3.1 Interim Technical Support Center (TSC)

The Interim TSC is located in a doublewide trailer within the plant Protected Area. The available space is adequate to provide sufficient working space for appropriate plant personnel and five NRC personnel.

3.3.2 Operational Support Center (OSC)

The OSC is maintained in the South Assembly Room in the site administration building. PAX telephone communications are available between the OSC and the Control Room.

4.0 Precautions:

- 4.1 The Interim TSC and OSC shall be activated upon the direction of the Emergency Coordinator or his designated alternate only.
- 4.2 Radiological conditions in the Interim Technical and Operational Support Center shall be monitored when required to be in use.
- 4.3 The Emergency Coordinator shall recommend a suitable location other than the designated areas if radiological conditions warrant such actions.

5.0 Responsibilities:

- 5.1 The Emergency Coordinator is responsible for activating the Interim TSC, activating the OSC, and arranging for staffing through the Duty Call Supervisor.
- 5.2 The Technical Support Center Supervisor will be the Technical Department Supervisor or his designee.

The Technical Support Center Supervisor is responsible for supervising TSC activities, reporting to the Emergency Coordinator, and communicating with the Interim Emergency Operations Facility, and other locations as directed by the Emergency Coordinator.
- 5.3 The Shift Technical Advisor is responsible for, at the direction of the Emergency Coordinator, activating the TSC.
- 5.4 Each department head or designated alternate is responsible for reporting to the Interim Technical Support Center when called.

- 5.5 Personnel reporting to the Operational Support Center are responsible for being prepared to carry out support functions designated by the Emergency Coordinator.
- 5.6 The Emergency Coordinator has the overall responsibility for the conduct of emergency operations and activities and should work closely with the Technical Support Center to ensure all information is used in making accident recovery decisions.
- 5.7 The QC Department is responsible for ensuring that necessary records, documents, and prints are maintained in the Technical Support Center or are available for immediate use in the Document Control vault.

6.0 References:

- 6.1 Turkey Point Emergency Plan
- 6.2 Emergency Procedure 20101, Duties of the Emergency Coordinator
- 6.3 Emergency Procedure 20103, Classifications of Emergencies

7.0 Records and Notifications:

A record of actions taken at the Interim TSC shall be maintained by the TSC Supervisor.

8.0 Instructions:

8.1 Activation

The Emergency Coordinator shall activate the Interim TSC and the CSC for any emergency condition classified as Alert, Site Area Emergency, or General Emergency.

8.2 Staffing

The Emergency Coordinator shall arrange for staffing through the Duty Call Supervisor. The Shift Technical Advisor shall, at the direction of the Emergency Coordinator, activate the Interim TSC.

8.3 Radiological Supplies

The Interim TSC contains emergency radiological monitoring equipment and supplies, and respiratory protective devices. Table 1 details these supplies.

8.4 Technical Data

The document control center where pertinent records and drawings are available is located in the I and C Building, approximately 50 feet northwest of the Interim TSC.

8.5 Use of the Interim TSC

8.5.1 The TSC Supervisor and supporting TSC staff shall maintain communications with the Control Room and provide technical support as required by the Emergency Coordinator.

8.5.2 The TSC staff shall communicate with the General Office Emergency Center or Interim Emergency Operations Facility as necessary. This shall include relaying messages between those facilities and the Control Room.

8.5.3 The TSC staff shall direct itself toward determining current and projected plant status for orderly implementation of Emergency Plans and Procedures.

8.6 Use of the Operational Support Center

Personnel on Emergency Teams shall initially report to the OSC. Personnel reporting to the OSC shall maintain communications with the Control Room and report as directed by the Emergency Coordinator or TSC Supervisor.

8.7 Deactivation

It is the responsibility of the Emergency Coordinator or his designee to deactivate and secure the Interim TSC and OSC when the emergency condition no longer exists.

8.8 Alternate OSC

In the event that the OSC becomes untenable, the Emergency Coordinator shall designate an alternate location.

TABLE 1

TECHNICAL SUPPORT CENTER EMERGENCY EQUIPMENT

	<u>QUANTITY</u>
Dose Rate Meter	1
Frisker (Count Rate Meter)	1
Air Sampler	1
O-500 Dosimeter	20
Dosimeter Charger	2
Air Sample Head	2
Particulate Air Samplers	3 boxes
Charcoal Air Samplers	1 sheet
Scott Respirators	6
Iodine Canisters	12
Silver Zeolite Cartridges	6

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20106
MARCH 26, 1981

1.0 Title:

NATURAL EMERGENCIES

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by *J. K. Hayes* Plant Supt., March 27, 1981

Approved by *Al Williams* Vice President
Power Resources MARCH 27 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	4	3/26/81	7	3/26/81	10	3/26/81
2	3/26/81	5	3/26/81	8	3/26/81	11	3/26/81
3	3/26/81	6	3/26/81	9	3/26/81	12	3/26/81

3.0 Scope:

3.1 Purpose:

This procedure provides instructions to be followed upon notification of a potential natural emergency or upon occurrence of an actual natural emergency.

3.2 Discussion:

3.2.1 The natural emergencies considered in this procedure are those associated with weather disturbances such as hurricanes or tornadoes. The geographical location of the area is such that the occurrence of other types of natural emergencies is highly improbable. However, flooding of the low lying areas surrounding the plant site could occur due to the torrential rains and flood tides that accompany a hurricane.

3.2.2 Warnings of impending natural emergencies are issued by the U. S. Government National Oceanicographic and Atmospheric Administration (NOAA) (National Weather Service) based on various weather surveillance means such as radar, satellite photographs and meteorological reporting stations. These warnings provide adequate information of the approach of most natural emergency conditions.

- 3.2.3 The warnings issued by NOAA (National Weather Service) are received at the FPL System Operations Power Coordinator's Office on the Weather teletype network.

The information received at the FPL System Operations Power Coordinator's Office is then relayed to the Turkey Point Plant, Units 3 and 4 Control Room through one of the various normal or emergency communication channels described in Emergency Procedure 20112, Communications Network.

3.3 Authority:

Turkey Point Plant Emergency Plans

3.4 Definitions:

The following terms, as used by NOAA are used throughout this procedure:

- 3.4.1 TORNADO WATCH: Meteorological conditions in the area described as favorable to the formation of tornadoes.
- 3.4.2 TORNADO WARNING: This condition is declared once the surveillance means have shown that a tornado has been sighted. The area for which this warning is issued is usually smaller than that for which a watch is declared.
- 3.4.3 TROPICAL STORM: A weather disturbance of large size with winds of 39 to 73 mph, rotating in a counterclockwise direction, accompanied by torrential rains and an area of low barometric pressure.
- 3.4.4 HURRICANE: Same as a tropical storm, but the winds are over 73 mph and a well defined low barometric pressure center, called the EYE of the storm, is present.
- 3.4.5 EYE: The center of a hurricane where calm prevails, with winds of no more than 20 - 30 mph and little or no rain.
- 3.4.6 HURRICANE ADVISORY: This is an information release put out every six hours, usually at 12 o'clock and 6 o'clock both day and night whenever a hurricane exists; the advisory is continually updated and this information is issued in the form of HURRICANE BULLETINS which are issued every 3 hours, day and night.
- 3.4.7 HURRICANE WATCH: This is a communication from NOAA, issued whenever a hurricane is between 24 and 48 hours from, and approaching, the U.S. coast and comprises an area approximately 100 miles either side of the expected place where it could come inland. It also gives the size, maximum winds, direction and speed of travel.

3.4.8 HURRICANE WARNING: This is a communication from NOAA, issued whenever a hurricane is between 12 and 24 hours from, and approaching, the U. S. coast and comprises an area approximately 50 miles either side of the expected place where the hurricane will strike the coastal areas. The size of the area comprised by the warning will be determined by the area over which hurricane force winds can be expected. This warning also gives the expected time and location where the hurricane will strike the coast, as well as the size, maximum winds, direction and speed of travel. The warning may also describe the coastal areas where high water, floods or high waves may be expected.

4.0 Precautions:

- 4.1 All unnecessary personnel in the Protected Area and all visitors in the Owner Controlled Area shall be required to leave when a hurricane warning is issued for the area. Flooding of the low-lying portions of the area, from heavy rains and high tides may make later evacuation impossible.
- 4.2 If a hurricane passes directly over the plant area, do not assume the hurricane has passed when the winds subside and rain stops. This only means that the EYE of the hurricane is over the area, and in approximately 1 hour the winds will begin blowing again from the opposite direction as the second half of the hurricane goes over the area.
- 4.3 When the hurricane is near the area and high winds are occurring, keep all activities outside of the plant buildings to a minimum.
- 4.4 Do not assume the emergency to be over until the receipt of official word from NOAA through the System Operations Power Coordinator that there is no longer a threat to the area.

5.0 Responsibilities:

- 5.1 It shall be the responsibility of the Site Manager, Plant Manager - Nuclear, Maintenance Superintendent - Nuclear, Operations Superintendent - Nuclear, Technical Department Supervisor, and Instrument and Control Supervisor to comply with the steps outlined in Section 8.0 of this procedure to protect the plant and personnel from the effects of the emergency.

6.0 References:

- 6.1 Turkey Point Plant Emergency Plans
- 6.2 Turkey Point Plant, Units 1 and 2 Hurricane Plans
- 6.3 National Oceanic and Atmospheric Administration Information - information on area tornado and hurricane reports
- 6.4 PSAR, Section 2, and Figures 1.2-3 and 1.2-4
- 6.5 Bechtel Corp. Drawing No. 5610-SK-C-289 Main Plant Perimeter Flood Wall

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NATURAL EMERGENCIES

7.0 Records and Notifications:

If the Emergency Plans are initiated as a result of the natural emergency, records and notifications shall be as described in other Emergency Procedures.

If the Emergency Plans are not initiated only normal log entries are required.

8.0 Instructions:

8.1 When information is received that a Tornado Watch has been issued for the area in which the plant is located:

8.1.1 The Nuclear Plant Supervisor shall notify the Site Manager or Plant Manager - Nuclear (if they are on-site), the Duty Call Supervisor (if the Site Manager or the Plant Manager - Nuclear were not notified), the Security Shift Supervisor at the Main Entrance Station and plant personnel on his shift. He shall also inform them that an Unusual Event is in progress.

8.1.2 The Site Manager/Plant Manager - Nuclear/Duty Call Supervisor shall evaluate the information, and decide if further action and/or manpower is required.

8.1.3 The Security Shift Supervisor shall ensure that all visitors in the Owner Controlled Area are notified of the Tornado Watch.

8.2 When information is received that a Tornado Warning has been issued for the area in which the plant is located:

8.2.1 The Nuclear Plant Supervisor shall notify personnel as in 8.1.1 above. This shall be an Unusual Event unless the tornado strikes the facility (in which case an ALERT would be declared).

8.2.2 The Site Manager/Plant Manager - Nuclear/Duty Call Supervisor shall evaluate the information and decide if further action and/or manpower is required.

8.2.3 The Security Shift Supervisor shall notify all visitors in the Owner Controlled Area of the warning and ensure that they leave the property.

8.2.4 The Maintenance Supervisor - Nuclear, if available, or the Nuclear Plant Supervisor and Nuclear Watch Engineer shall conduct a survey of all plant areas and the equipment on them and remove or tie down any loose material or equipment that could be blown away.

8.2.5 The Auxiliary Equipment Operator shall clean the intake trash barrier and start the intake traveling screens.

8.3 When any tornado strikes the facility:

8.3.1 The Nuclear Plant Supervisor shall declare an ALERT and initiate the Emergency Plan.

EMERGENCY PROCEDURE 20106, PAGE 5
NATURAL EMERGENCIES

- 8.3.2 The Nuclear Plant Supervisor shall notify personnel as in Instruction 8.1.1 (above).
- 8.3.3 The Site Manager/Plant Manager - Nuclear/Duty Call Supervisor shall evaluate the information and decide if further action is required.
- 8.4 When information is received that a Hurricane Watch has been issued for the area in which the plant is located:
- 8.4.1 The Nuclear Plant Supervisor shall notify the Site Manager or the Plant Manager - Nuclear (if they are on-site) or the Duty Call Supervisor (if the Site Manager or the Plant Manager - Nuclear were not notified). He shall also inform them that an Unusual Event is in progress.
- 8.4.2 The Site Manager, Plant Manager - Nuclear, or Duty Call Supervisor shall notify other individuals in accordance with Emergency Procedure 20104, Emergency Roster.
- 8.4.3 If visitors have not yet been required to leave, the Plant Security Supervisor shall order the Security Shift Supervisor to inform all visitors of the Hurricane Watch issued and ensure that they leave.
- 8.4.4 The Operations Superintendent - Nuclear or Nuclear Plant Supervisor shall verify that the following preparations are made:
1. Check operation of the NAWAS and LGR equipment, base radio and portable radio equipment.
 2. Test run both A and B emergency diesel generators, top off day and skid fuel tanks and verify that starting air is at 240 psi.
 3. Test run the turbine DC oil pumps.
 4. Check fire system and have the fire pumps.
 5. Test run the intake trash rakes and traveling screens.
- 8.4.5 The Maintenance Superintendent - Nuclear or his designee shall verify that the following preparations are made:
1. Check supply of emergency items and materials such as:

Wire	Wooden wedges	Flashlights and Batteries
Lumber	Buckets	Portable bedding equipment
Rope	Caulking	Portable Fans and Air Movers
Nails	Plastic Film Cloth (pliofilm)	
 2. Provide a truck and driver to obtain foodstuffs and other required items.

3. Clean sumps and sump pump suction strainers on the auxiliary building and electrical cable manholes. Test run all sump pumps.
 4. Survey the plant site removing trash and debris and securing loose equipment.
- 8.4.6 The Operations Superintendent - Nuclear shall verify that the following preparations are made:
1. Inventory supply of laboratory chemicals and reagents and obtain those that are necessary.
 2. Check diesel oil storage tank and turbine lube oil storage tanks. Diesel oil storage tank should be topped off and turbine lube oil storage tank should be at least half full.
 3. Make arrangements with the diesel oil suppliers for possible emergency deliveries.
 4. Bolt or tie down all hatches on water plant tanks.
- 8.4.7 The Instrument and Control Supervisor shall check all instruments located outdoors to be in weather proof condition, inspect cases, gaskets, etc. and weatherproof those that are not with plastic film and tape.
- 8.4.8 The Land Management Site Manager shall make arrangements with the Air Force Sea Survival School for removal of their boats and loose gear from the area; and also with any outside contractor working within the plant property to remove, tie down, or otherwise secure his equipment and material to keep it from blowing away.
- 8.4.9 The Administrative Supervisor shall have all food storage facilities inventoried, a grocery list prepared and the necessary food purchased and properly stored. Enough food shall be purchased for all operators, maintenance and guard personnel staying on site during the storm for several days.
- 8.5 When information is received that a Hurricane Warning has been issued for the area in which the plant is located:
- 8.5.1 The Nuclear Plant Supervisor shall notify personnel as in 8.3.1 above. This shall be classified as an Unusual Event unless there is reason to upgrade the classification to an ALERT.
 - 8.5.2 The Plant Security Supervisor will inform the Security Shift Supervisor to close the barriers to all unauthorized traffic.
 - 8.5.3 The Operations Superintendent - Nuclear or Nuclear Plant Supervisor shall verify that the following preparations are made:
 1. Make arrangements for sufficient operating personnel to be at the plant during the hurricane in order to provide the necessary coverage for several days during which the plant may be inaccessible.

2. Fill condensate tanks, primary water tanks and refueling water storage tanks.
3. When hurricane is less than 6 hours from the plant have portable bedding equipment brought to the control room and/or cable spreading room and other suitable locations.
4. Open and tag outdoor 480V receptacle circuit breakers. (See attached breaker list, Appendix A). Issue clearance to Nuclear Plant Supervisor on all breakers opened.
5. As the hurricane approaches the site, and high winds begin, stop the vent fans listed below:

NOTE: Fans may be operated on a selected basis as operating conditions dictate.

Spent fuel pit ventilation fan
New fuel storage room vent fan
Spent fuel pit heat exchanger room vent fan
Containment purge supply and exhaust fans
Auxiliary building supply vent fans
Containment penetration cooling fans if not required
4160V Switchgear and 480V L. C. rooms vent fans
Diesel generator room vent fans

6. Shutdown Amertap Systems, open and tag power supply breakers to all pumps and valves, clearance to the Nuclear Plant Supervisor.

8.5.4 The Maintenance Superintendent - Nuclear shall verify that the following preparations are made:

1. Close the following outside doors and roof hatches and inflate door seals where applicable.

(1) Outside Doors:

Cable Spreading Room to roof (through CRDM room)
New Fuel Storage Rooms
Spent Fuel Pits
Comp. Cooling Water Surge Tank Room
Door from Auxiliary Building to Turbine Area
480V L.C. Rooms
4160V Switchgear Rooms
Doors to Holdup Tank enclosures
Emergency Diesel Room doors
Turbine and Auxiliary Building Chemical Storage Room
Door from Aux. Building to No. 4 Comp. Cool Water Equip.
Area
Elevator vestibules
Containment Purge Supply Fan Room
Inlet to No. 3 Charging Pump Room from Boric Acid Tank Area
Intake Chlorinator Equipment House
Reactor Control Rod Equipment Rooms (3B and 4B MCC Rooms)
Electrical Penetration Rooms and Enclosures
Generator Exciter Switchgear Rooms
Radwaste Building Doors (East, West, and Loading Ramp)

(2) Roof hatches:

RHR pump removal hatches
Evaporator Condensate Demineralizers
Monitor Tanks
Radwaste Building

2. Install stoplogs on plant flood protection wall as follows:
(Ref. to Dwg. No. 5610-6K-C-289)

By the Unit 3 4160V Switchgear Room entrance
By the Diesel Oil Storage Tank Dike Area
By the Unit 3 and Unit 4 Main Transformers
By the Unit 4 Steam Generator Feed Pump Room
By the Unit 4 Blowdown Tank
On the entrance to the Unit 3 Comp. Cool Water Pump Area
On the entrance to the Unit 4 Comp. Cool Water Pump Area
By the Unit 3 and Unit 4 New Fuel Storage Area
By the Unit 3 and Unit 4 Lube Oil Reservoir
On the entrance to the Unit 3 and Unit 4 Condenser Pits
On the entrance to the Unit 3 and Unit 4 Spent Fuel Pit Heat
Exchanger Rooms
On the entrance to the Aux. Building Chemical Storage Area

3. Tie down, remove, or otherwise secure all loose equipment, such as ladders, fire extinguishers and hose reels, waste containers, life rings, etc.
4. Store all chemical drums in the chemical warehouse, and oil drums in the oil house and/or chemical warehouse.
5. Verify that the gas cylinders in both gas cylinder storage houses are properly secured.
6. Remove vortex eliminators from the intake area, and clean the trash pit.
7. Dog the intake area gantry crane, the cask crane and the turbine deck gantry crane.
8. Install life lines between important operating areas of the plant in case personnel must be sent to these areas during high winds.
9. Provide tarpaulins and ropes at various locations throughout the auxiliary building; also have on hand in the control center and cable spreading room an ample supply of plastic film (pliofilm).
10. Ensure that mechanics and electricians will be available at the plant during the emergency.
11. Provide portable dewatering pumps at Condensate Pump Areas, Unit 3 and 4.

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NATURAL EMERGENCIES

12. Close doors and vent openings on the elevator machinery room.
13. Wire shut all doors on outdoor MCC's, with insulated wire.
14. Take spare sump pumps to the Auxiliary Building.
15. Tie down intake trash rakes and hoists in such a manner that they are secure, yet readily available if needed.
16. When the vent fans listed in 8.4.3.5 are stopped, the following air intake, exhaust, or vent openings should be closed off. Verify that the dampers of those openings equipped with dampers are locked in the closed position. Install protective covers where required, as follows:

Spent Fuel Pit Inlet Air Vents
 New Fuel Storage Room Fan Inlet Vent
 Spent Fuel Pit Heat Exchanger Room Fan Inlet Vent
 Spent Fuel Pit Heat Exchanger Room Exhaust Vent
 Containment Purge Supply Fan Air Intake
 Auxiliary Building Supply Fans Air Intake Vent
 Control Room EVAC Outside Air Intakes
 Control Room EVAC Post MHA Emergency Fan Outside Air Intake
 4160V Switchgear and 480V L.C. Rooms Exhaust Fan Vents

- 8.5.5 The Operations Superintendent - Nuclear shall verify that the following preparations are made:
 1. Bolt or otherwise secure the hatches on the chemical feed tanks.
- 8.5.6 The Instrument and Control Supervisor shall ensure that I and C Specialists will be available at the plant during the emergency and shall verify that the following preparations are made:
 1. Protect exposed vital instrumentation from the high winds and possible flying debris.
- 8.5.7 The Site Manager shall verify that required additional personnel have been notified and are available.
- 8.6 When information is received of the approach of a hurricane with winds up to design basis (225 mph) levels, the Nuclear Plant Supervisor shall declare an Alert and activate Emergency Procedure 20101, Duties of Emergency Coordinator, and Emergency Procedure 20103, Classification of Emergencies. Provisions of Step 8.5 shall also be followed.
- 8.7 When information is received of the approach of a hurricane with winds greater than design basis (225 mph) levels, the Nuclear Plant Supervisor shall declare a Site Area Emergency and activate Emergency Procedure 20101, Duties of Emergency Coordinator, and Emergency Procedure 20103, Classification of Emergencies. Provisions of Step 8.5 shall also be followed.

- 8.8 When information is received that lower high water levels (50 year flood c. low water) is anticipated in the area of the plant (but a Hurricane Watch is not in effect):
- 8.8.1 The Nuclear Plant Supervisor shall classify it as an Unusual Event and activate Emergency Procedure 20101, Duties of Emergency Coordinator, and Emergency Procedure 20103, Classification of Emergencies.
 - 8.8.2 If high water is anticipated but not high wind, those provisions of Step 8.4 shall be carried out which are directed toward concern for high water.
- 8.9 When flood, low water, hurricane surge, or other abnormal water conditions cause the storm drainage system to be exceeded, the Nuclear Plant Supervisor shall declare an Alert, and activate Emergency Procedure 20101, Duties of Emergency Coordinator, and Emergency Procedure 20103, Classification of Emergencies.
- 8.10 When flood, low water, hurricane surge, or other abnormal water conditions cause vital equipment to fail, the Nuclear Plant Supervisor shall declare a Site Area Emergency and activate Emergency Procedure 20101, Duties of Emergency Coordinator, and Emergency Procedure 20103, Classification of Emergencies.
- 8.11 When any earthquake has occurred as indicated on the seismograph, the Nuclear Plant Supervisor shall classify this as an Unusual Event and activate Emergency Procedure 20103, Classification of Emergencies.
- 8.12 If any earthquake occurs greater than the Operating Basis Earthquake, the Nuclear Plant Supervisor shall declare an Alert and activate Emergency Procedure 20101, Duties of Emergency Coordinator and Emergency Procedure 20103, Classification of Emergencies.
- 8.13 When an earthquake occurs greater than the Safe Shutdown Earthquake, the Nuclear Plant Supervisor shall declare a Site Area Emergency and activate Emergency Procedure 20101, Duties of Emergency Coordinator, and Emergency Procedure 20103, Classification of Emergencies.
- 8.14 Stop all non-essential handling of radioactive materials and avoid release of radioactive water to the environment during the duration of the emergency.
- 8.15 In the case of weather emergencies, wait until official word is received from NOAA through the System Operations Power Coordinator, that the causes of the emergency are over and that the threat to the area is over before terminating the emergency conditions.

APPENDIX A

480 VOLT RECEPTACLE LIST

<u>BREAKER NO.</u>	<u>RECEPTACLE NO./LOCATION</u>
30653	17 and 17a, Unit 3 Containment
30661	5, West End, Aux. Building E/W Passageway
30674	6, 6A and 6B East End and Exterior East Wall of Aux. Building (See Note 1)
30736	7, North End, Aux. Building N/S Passageway
30905	11 and 12, North End of Intake Area
30760	8, Unit 3 Cask Wash Area (See Note 2)
40653	17 and 17a, Unit 4 Containment
40903	15 and 16, Intake Area (at Traveling Screens
0870	9, South End of Aux. Building N/S Passageway
0871	10, Unit 4 Cask Wash Area (See Note 2)
1023	13, Water Treatment Plant Area
B1605	01, Radwaste Control Area, West Wall
B1704	02, Radwaste N/S Passageway, North End
B2028	03, Radwaste N/S Passageway, South End Radwaste Building, outside East Wall at door to Control Area, welding receptacle
B2067	Trash Compactor Room (See Note 3), Welding Receptacle
Panel 3P14, Bkr 1	Two Receptacles outside North Wall and two outside East Wall of No. 3 4160 Switchgear Room
Panel 3P14, Bkr 2	One Receptacle at SE Corner No. 3 Aux. Trans.
Panel 3P14, Bkr 3	One Receptacle at No. 3 Bowser Filter One Receptacle at West of 3A MSRH One Receptacle at SW Corner of Cond. Retubing Pit, Ground Level (See Note 4)
Panel 3P14, Bkr 4	One Receptacle in Aux. Feedwater Pump Area One Receptacle East of 3D MSRH
Panel 3P14, Bkr 5	One Receptacle, Turbine Deck, West Side between Units 3 and 4 One Receptacle under South End of Steam Platform
Panel 3P14, Bkr 6	One Receptacle on Mezz. Level at Panel 3P14 One Receptacle at NE Corner of Turbine Deck
Panel 3P14, Bkr 7	One Receptacle at NW Corner of Turbine Deck
Panel 4P14, Bkr 1	One Receptacle at East Wall No. 4 4160 Room
Panel 4P14, Bkr 2	One Receptacle at SE Corner No. 4 Aux. Transformer
Panel 4P14, Bkr 3	One Receptacle at South Side of Cond. Retubing Pit, Ground Level (See Note 4) One Receptacle East of Bowser Filter One Receptacle West of 4A MSRH
Panel 4P14, Bkr 4	One Receptacle East of 4D MSRH
Panel 4P14, Bkr 5	One Receptacle East of No. 4 S/G Feedwater Pump Room One Receptacle at SW Corner of Turbine Deck One Receptacle under South edge of Steam Platform
Panel 4P14, Bkr 6	One Receptacle on Mezz. Level at Panel 4P14 One Receptacle on Turbine Deck, South of Control Room Door

APPENDIX A (cont'd)

Apprentice Training Building - Local breakers on seven welding receptacles on exterior North wall.

NOTE 1: Also provides power to B.A.E. temporary pumps.

NOTE 2: Power supply to Emergency Spent Fuel Pit Cooling Water Pumps

NOTE 3: Power supply to trash contractors

NOTE 4: Power supply to L.O. Reservoir Oil Renovators (DeLaval)

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20107
MARCH 13, 1981

1.0 Title:

FIRE/EXPLOSION EMERGENCIES

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/13/81 Reviewed by PNSC March 13, 1981

Approved by [Signature] Plant Mgr: -Nuc March 13, 1981

Approved by [Signature] Vice President
Power Resources March 16, 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/13/81	3	3/13/81	5	3/13/81
2	3/13/81	4	3/13/81	6	3/13/81
				7	3/13/81

3.0 Scope:

3.1 Purpose:

This procedure provides instructions to control and extinguish fires, to minimize equipment damage from fires or explosions and to prevent personnel injuries:

3.2 Discussion:

3.2.1 The Fire Team is composed of five individuals who are qualified in accordance with Administrative Procedure 15500, Fire Protection Program. The fire team members are personnel from the Operations, Health Physics, and Nuclear Chemistry Departments.

3.2.2 Those personnel initiating and conducting fire drills shall: Notify the Control Room by calling on the PAX phone, announce "This is a drill. This is a drill", give location and classification of simulated fire/explosion, report any simulated injuries and the extent of damage to plant components.

3.2.3 The emergency classification system (see Emergency Procedure 20103, Classification of Emergencies) includes certain fires and explosions. Hence, each fire or explosion shall be evaluated by the Nuclear Plant Supervisor/Emergency Coordinator to determine if it constitutes an unusual event, an alert, or a site area emergency.

EMERGENCY PROCEDURE 20107, PAGE 2
FIRE/EXPLOSION EMERGENCIES

3.3 Authority:

Technical Specification 6.8.1

Facility Operating Licenses DPR-31, Section III, G, and DPR-41,
Section III F.

Letter from A. Schwencer of NRC to R. E. Uhrig dated 3/21/79 (NRC Safety
Evaluation Report for Fire Protection)

10 CFR 50, Appendix R

10 CFR 50.48

Turkey Point Plant Emergency Plans

3.4 Definitions:

The terms that must be familiar to the user in order to fully implement
this procedure are as follows:

3.4.1 Class "A" Fires

Class "A" fires are ordinary combustible fires in such materials as
wood, paper, cloth, or rubber.

3.4.2 Class "B" Fires

Class "B" fires are fires in flammable liquids, gases, and greases.

3.4.3 Class "C" Fires

Class "C" fires are fires which involve "energized" electrical
equipment. (Where electrical equipment is de-energized,
extinguishers for Class "A" or "B" fires may be used).

3.4.4 Class "D" Fires

Class "D" fires are fires in combustible metals such as magnesium,
titanium, zirconium, sodium and potassium.

4.0 Precautions:

4.1 Water in the vicinity of high voltage electrical equipment may constitute
a life hazard to personnel due to the electrical conductivity of water.
Water hoses should be operated with a fog pattern only and at a distance
of 10 feet or more from any energized electrical equipment.

4.2 Portable multipurpose dry chemical extinguishers may be used on the
following class fires:

1. Class "A"
2. Class "B"
3. Class "C"

4.3 Portable carbon dioxide fire extinguishers may be used on the following
class fires:

1. Class "B"
2. Class "C"

- 4.4 AFFF foam shall be used only on Class "B" fires, where energized electrical equipment is not present.
- 4.5 The installed Halon 1301 gas system in Document Control is safe as installed. However, the discharge of Halon 1301 may create hazards to personnel such as dizziness, impaired coordination, reduced visibility and exposure to toxic decomposition products. For this reason personnel should leave the area immediately. Self-contained breathing apparatus is required to re-enter the area until the building is ventilated.

5.0 Responsibilities:

- 5.1 It shall be the responsibility of the Fire Team Leader (normally the Nuclear Watch Engineer) to:
 - 5.1.1 At the beginning of the shift verify the on-site availability of four qualified Fire Team Members in addition to himself. Normally, the four members will be the Nuclear Operator, the Nuclear Turbine Operator, a Radiation Protection Man, and a Lab Technician.
 - 5.1.2 Direct all phases of the fire fighting activities.
 - 5.1.3 Communicate the status of the fire and fire fighting activity to the Emergency Coordinator.
 - 5.1.4 Coordinate the activities of any outside fire fighting organization called in to assist with the emergency.
- 5.2 It shall be the responsibility of each Fire Team member to be thoroughly familiar with the contents of this procedure and the location of fire fighting equipment in the plant.
- 5.3 The Plant Manager-Nuclear shall designate in writing an individual(s) to verify through regular inspections that all fire fighting equipment and supplies are in good condition and operable.
- 5.4 For a fire, it shall be the responsibility of the Nuclear Plant Supervisor or designee to complete the attached fire drill evaluation sheet.
- 5.5 For a fire drill, the person conducting the drill (normally from the Training Department) is responsible for completing the fire drill evaluation sheet.
- 5.6 The Nuclear Plant Supervisor/Emergency Coordinator is responsible for classifying fires and explosions as unusual events, alerts, or site area emergencies in accordance with Emergency Procedure 20103, Classification of Emergencies.

EMERGENCY PROCEDURE 20107, PAGE 4
FIRE/EXPLOSION EMERGENCIES

6.0 References:

- 6.1 Turkey Point Plant Emergency Plans
- 6.2 Final Safety Analysis Report (FSAR)
- 6.3 10 CFR 50, Appendix R
- 6.4 10 CFR 50.48

7.0 Records:

- 7.1 Log entries in Nuclear Plant Supervisor's Log Book
- 7.2 Completed fire/drill evaluation sheets constitute Quality Assurance Records and, therefore, shall be retained in accordance with Administrative Procedure 0190.14, Document Control and Quality Assurance Records.

8.0 Instructions:

- 8.1 When an individual discovers a fire which can be safely extinguished using fire fighting equipment at hand, he shall do so and then promptly notify the Nuclear Plant Supervisor.
- 8.2 When an individual discovers a fire or explosion resulting in a fire which cannot be extinguished using fire fighting equipment at hand, he shall notify the Nuclear Plant Supervisor over the PA system or the appropriate control room by dialing _____ on any PAX telephone. The following information should be given:
 - 8.2.1 Location of the fire or explosion.
 - 8.2.2 Type of fire or explosion, if known.
 - 8.2.3 Whether or not there are any injured personnel.
 - 8.2.4 Extent of damage to plant components.

NOTE: Speed in notification is much more important than the completeness of the initial report.

- 8.3 The Nuclear Plant Supervisor shall instruct the individual to take any immediate action he is qualified to perform to extinguish the fire.
- 8.4 The Nuclear Plant Supervisor shall cross-connect the PA system, sound the fire alarm, wait for the fire alarm to stop, then immediately announce the fire/explosion in the following manner:

For Fires: "This is not a drill. This is not a drill," and give the location and classification of the fire/explosion. Then announce, "All personnel in the fire area withdraw to a safe location."

EMERGENCY PROCEDURE 20107, PAGE 5
FIRE/EXPLOSION EMERGENCIES

For Fire Drills: "This is a drill. This is a drill," and give the location and classification of the simulated fire/explosion. Then announce, "All personnel in the fire area withdraw to a safe location."

8.4.1 When word of the Fire/Explosion is passed over the page:

1. The Fire Team Leader shall respond immediately to the fire before dressing out. He will take a radio with him, communicate with the Emergency Coordinator, and take steps to limit the spread of the fire.
2. The Nuclear Turbine Operator and Health Physics fire team members will report to the fire locker, dress out as fast as possible, carry their self-contained breathing apparatus and an extra turnout coat, helmet, pair of gloves and boots (to be used by the Fire Team Leader) to the fire.

8.4.2 The Nuclear Operator and Lab Technician fire team members will report to the fire house, dress out as fast as possible, carry their self-contained breathing apparatus and an extra one (for use by the Fire Team Leader) to the fire location.

NOTE: A list of the locations of fire protection equipment is included in Maintenance Procedure 15537.2, Periodic Surveillance of Fire Protection Equipment.

8.4.3 Upon arrival of the Fire Team Members, the Fire Team Leader shall give instructions to them for fighting the fire. While the Fire Team Members begin extinguishing the fire, the Fire Team Leader can put on his protective equipment and join them.

8.4.4 In the event of a fire in a radiation area, the protection of life and property may require more immediate attention than the radiological hazard itself. Only when it has been determined or suspected that the fire is in an unusually high radiation area or in a high airborne activity environment should the radiological effort be permitted to interfere with extinguishing the fire.

8.4.5 Requesting Outside Fire Fighting Assistance

1. If the fire, or explosion resulting in a fire, is considered by the Nuclear Plant Supervisor/Emergency Coordinator based on reports from the fire team leader as probably beyond the capability of the fire teams to contain, the Dade County Fire Department shall be called. Whereupon, at the option of the Nuclear Plant Supervisor/Emergency Coordinator, if the fire cannot be controlled by the additional forces, then the Homestead Air Force Base Fire Department shall be called.

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FIRE/EXPLOSION EMERGENCIES

2. If the fire, or explosion resulting in a fire, is too large to be controlled by available plant forces and is in the Radiation Controlled Area, the Homestead Air Force Base Fire Department shall also be called.
3. The Main Entrance Station Guard shall be notified of the location of the fire and the expected arrival of the off-site fire fighting equipment.
4. Working communications shall be established between the Emergency Coordinator, the person in charge of the off-site fire fighting organization, the Radiation Team Leader if the fire is in the Radiation Controlled Area, and the Fire Team Leader.

NOTE: See Emergency Procedure 20104, Emergency Roster, for specific information regarding means of communication and telephone numbers.

8.5 Fire/Drill Evaluation:

- 8.5.1 The Nuclear Plant Supervisor/Emergency Coordinator or the person conducting the fire drill shall complete and forward the Fire/Drill Evaluation Sheet to the Fire Protection/Safety Coordinator and a copy to the Fire Team Training Supervisor and a copy to Document Control for retention.

APPENDIX A
FIRE/DRILL EVALUATION SHEET

Date: _____

1. Fire/Fire Drill (Including location and class of fire) _____

2. Time for fire alarm to sound after fire/drill is initiated: _____
3. Time until fire/drill and location are announced on page: _____
4. Time for first man to arrive at scene: _____
5. Time when all Brigade Members are at scene: _____
6. Evaluation of team leader performance: _____

7. Evaluation of team member performance: _____

8. Training given at fire/drill scene: _____

9. Individuals on fire team at scene:
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____
10. Critique on fire/drill: _____

11. Recommendations for program, procedure, drill changes: _____
Drill given by: _____

(Use Reverse Side if Necessary)

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20109
MARCH 26, 1981

1.0 Title:

CRITERIA FOR, AND CONDUCT OF LOCAL EVACUATION

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by J. K. Hayes Plant Mgr-Nuclear, March 27, 1981

Approved by W. J. ... Vice President
Power Resources MARCH 27, 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	2	3/26/81	3	3/26/81	4	3/26/81

3.0 Scope:

3.1 Purpose:

This procedure provides criteria for declaring local evacuations, instructions for the evacuation of personnel when a local evacuation has been declared, and instructions for the accountability of personnel subsequent to the evacuation.

3.2 Discussion:

Evacuation of an area may be necessitated by the occurrence of an emergency condition which involves high radiation and/or the release of radioactive material to the local environment. The evacuation of personnel from the affected area is intended to minimize their exposure to radiation.

The Radiation Control Point in the Auxiliary Building has been designated as the assembly area for purposes of personnel accountability. If necessary, another assembly area may be specified by the Emergency Coordinator.

When a local evacuation is declared, the Security Guard Force will assist in personnel accounting. The Control Point Guard will immediately review logs to determine what personnel are in the affected area and be prepared to brief the Emergency Coordinator.

3.3 Authority:

This procedure implements the Turkey Point Plant Emergency Plan.

3.4 Definitions:

3.4.1 Assembly Area - A designated area at which evacuated personnel assemble for purposes of personnel accountability and monitoring following an evacuation.

3.4.2 Local Evacuation - The evacuation of a room, area, or building due to radiological conditions.

4.0 Precautions:

4.1 Every effort shall be made to minimize personnel exposure to radiation.

4.2 Personnel who have been in the area of the emergency shall remain in a group, and shall not mix with the other personnel in the Radiation Control Point assembly area until they have been monitored for possible contamination, unless they are injured. Injured personnel shall be treated as discussed in Section 8.6 of Emergency Procedure 20101, Duties of the Emergency Coordinator.

4.3 Except as discussed in 4.2 above, personnel reporting to the Radiation Control Point assembly area shall group according to departments in order to facilitate personnel accountability and monitoring.

4.4 During the evacuation, areas known or suspected to be contaminated or exposed to high radiation fields should be avoided.

5.0 Responsibilities:

5.1 All personnel permanently or temporarily assigned to Turkey Point Plant who enter the Radiation Controlled Area shall be familiar with:

5.1.1 The instructions given in this procedure.

5.1.2 The location of the Radiation Control Point assembly area.

5.2 Supervisors and Department foreman having personnel working in the evacuated area are responsible for assisting in accounting for all personnel under their supervision.

5.3 The Control Point Guard has the responsibility of maintaining accurate records of all personnel entering or leaving the Radiation Controlled Area and of making them available when required.

6.0 References:

6.1 Turkey Point Plant Emergency Plan

6.2 Security Procedure 0402, Personnel Identification and Control of Movement

7.0 Records and Notifications:

Records showing that all personnel in the area affected by the emergency were accounted for shall be kept as part of the records of the emergency, and entered in the Nuclear Plant Supervisor's Log Book.

8.0 Instructions:

8.1 If an incident involves a high radiation field or has caused the release of radioactive material to the environment, the need to evacuate the affected area shall be determined in accordance with the following criteria:

Evacuate the affected local area in which any of the following conditions occur:

- 8.1.1 Area Radiation Monitor Alarm (except Nuclear Control Center)
 - 8.1.2 Containment Evacuation Alarm
 - 8.1.3 Unevaluated direct radiation dose rate reading in excess of 100 mRem/hour.
 - 8.1.4 Unevaluated airborne radioactivity concentration in excess of 9×10^{-9} micro Ci/cc.
 - 8.1.5 Removable radioactive surface contamination in an unposted area in excess of 1000 dpm/100 cm² beta-gamma over an area of 100 ft².
 - 8.1.6 Removable radioactive surface contamination in an unposted area in excess of 50 dpm/100 cm² alpha over an area of 100 ft².
 - 8.1.7 The Emergency Coordinator determines that a situation exists for which local evacuation is appropriate.
- 8.2 The Emergency Coordinator shall announce the local evacuation over the PA system, giving the area affected, the assembly area, and other instructions as required.
- 8.3 All personnel in the evacuated area shall stop work, turn off potentially hazardous equipment, such as cutting torches, and leave the area by the same route taken to enter the area, unless otherwise instructed by the Emergency Coordinator.
- 8.4 All personnel in the evacuated area shall report to outside their respective control point for monitoring and accountability.
- 8.5 If required, the First Aid and Personnel Decontamination Team shall monitor evacuated personnel for contamination.

3/26/81

EMERGENCY PROCEDURE 20109, PAGE 4
CRITERIA FOR, AND CONDUCT OF LOCAL EVACUATION

- 8.6 Injured personnel shall be treated as discussed in Section 8.6 of Emergency Procedure 20101, Duties of Emergency Coordinator. If an injured person is evacuated from the plant site, the person's TLD, self-reader, identification badge, and keycard should be removed and given to the First Aid and Personnel Decontamination Team Leader.
- 8.7 Uninjured personnel shall remove protective clothing prior to leaving the Radiation Controlled Area. Injured personnel should remove protective clothing prior to leaving the Radiation Controlled Area.
- 8.8 The Control Point Guard shall make available to the Emergency Coordinator his records showing the personnel who are in the Radiation Controlled Area.
- 8.9 The Emergency Coordinator shall initiate a search for the personnel who have not been accounted for.
- 8.10 When the situation dictates that the Protected Area should be evacuated, the entire Owner Controlled Area shall also be evacuated in accordance with Emergency Procedure 20110, Criteria for and Conduct of Owner Controlled Area Evacuation.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20110
MARCH 26, 1981

1.0 Title:

CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981
Approved by [Signature] Plant Supt., March 27, 1981
Approved by [Signature] Vice President
Power Resources March 27, 1981

2.2 List of Effective Pages:

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	3/26/81	4	3/26/81	7	3/26/81	10	3/26/81
2	3/26/81	5	3/26/81	8	3/26/81	11	3/26/81
3	3/26/81	6	3/26/81	9	3/26/81		

3.0 Scope:

3.1 Purpose:

This procedure provides criteria for determining if evacuation of the owner controlled area should be carried out, instructions for affecting an ordered, rapid and safe evacuation of the Turkey Point Owner Controlled Area in order to prevent or minimize radiation exposure to personnel, and instructions for personnel accountability.

3.2 Discussion:

3.2.1 Accurate classification of emergencies that may occur at the Turkey Point Plant is necessary to enable the Nuclear Plant Supervisor to take the proper corrective action and to know when to initiate the Emergency Plans. For those emergencies involving high radiation and/or the release of radioactive material to the environment, it is necessary to provide the Nuclear Plant Supervisor (Emergency Coordinator) with guidelines that will enable him to know when to order the evacuation of the Owner Controlled Area.

EMERGENCY PROCEDURE 20110, PAGE 2
CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

3.2.2 Evacuation of the Owner Controlled Area may be necessitated by the occurrence of any of several events where evacuation of personnel would be necessary to minimize their exposure to radiation. An Owner Controlled Area evacuation will be conducted for any Site Area Emergency or General Emergency.

3.3 Authority:

This procedure implements the Turkey Point Plant Emergency Plans.

3.4 Definitions:

3.4.1 Protected Area

The area within the Owner Controlled Area occupied by two fossil units, the two nuclear units and their associated equipment, enclosed within the perimeter fence.

3.4.2 Assembly Area

The Assembly Area for personnel and visitors evacuated from the Owner Controlled Area within the scope of this procedure is the Florida City Substation, located approximately seven and one-half miles west of the plant on Palm Drive.

3.4.3 Owner Controlled Area

That portion of FPL property surrounding and including the plant which is subject to limited access and control as deemed appropriate by FPL.

3.4.4 Escort

An individual specifically assigned to accompany other persons who are required by the Security Plan or Health Physics Manual to be escorted.

3.4.5 Owner Controlled Area Evacuation

The evacuation from the Owner Controlled Area of all personnel except those required to place Units 1, 2, 3 and 4 in a safe condition, the emergency teams, and the guards necessary to fulfill their evacuation responsibilities. The evacuation will include personnel at the Scout Camps, Air Force Sea Survival Training School, the recreation areas, and the cooling canal system.

4.0 Precautions:

4.1 Every effort shall be made to minimize personnel exposure to radiation.

EMERGENCY PROCEDURE 20110, PAGE 3
CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

5.0 Responsibilities:

5.1 The Nuclear Plant Supervisor is responsible for:

5.1.1 Classifying any emergency that may occur at Turkey Point on Units 3 and 4

5.1.2 Initiating the Emergency Plans when appropriate.

5.1.3 Initiating the evacuation of any area in which the criteria for evacuation, as expressed in Steps 8.1, is met.

5.2 Activities and functions which take place within the Owner Controlled Area but outside of the Protected Area are the responsibilities of the Land Management Site Manager. Day-to-day supervision of Owner Controlled Area functions outside the Protected Area, including scout camps, recreation areas and liaison with the U. S. Air Force School, and Belcher Oil Company are handled by the Land Management Site Manager.

5.3 Scheduling of groups for recreation areas (picnic and beach) is handled by the Miami Area Community Services Department.

5.4 The Emergency Coordinator is responsible for advising the Security Team Leader of an Owner Controlled Area evacuation. This notification will be by the alarm or the PA system. Information needed by the Security Force to properly fulfill their responsibilities during the evacuation shall be provided to the Security Team Leader by the Emergency Coordinator.

5.5 The Security Guard Force is under the supervision of the Plant Security Supervisor or his designee. Responsibilities of guard posts with significant responsibilities during the evacuation are discussed below:

5.5.1 Security Shift Supervisor

This position is filled at all times. In an Owner Controlled Area evacuation, this guard assumes the position of Interim Security Team Leader and reports to the Emergency Coordinator until relieved by the Plant Security Supervisor. The Interim Security Team Leader directs all other members of the Security Guard Force in primary tasks of personnel accountability and evacuation of personnel. During an evacuation, the Security Team Leader is assisted in obtaining personnel accountability by the other on-shift Security Guard Force personnel. The duties of the Security Team Leader in an Owner Controlled Area evacuation are discussed in general in Step 8.4.1 of this procedure and are spelled out in detail in the Security Guard Force Post and Force Orders.

5.5.2 South Security Station Supervisor

This position is filled at all times. The duties of this guard in an Owner Controlled Area evacuation are discussed in general in Step 8.4.2 of this procedure and are spelled out in detail in the Security Guard Force Post and Force Orders.

EMERGENCY PROCEDURE 20110, PAGE 4
CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

5.5.3 Protected Area Guard

This position is filled at all times by a roving guard within the Protected Area. The duties of this guard in an Owner Controlled Area evacuation are discussed in general in Step 8.4.3 of this procedure and are spelled out in detail in the Security Guard Force Post and Force Orders.

5.5.4 Outside Patrol

This position is filled at all times by a roving guard within the Owner Controlled Area outside the Protected Area. The duties of this guard in an Owner Controlled Area evacuation are discussed in general in Step 8.4.4 of this procedure and are described in detail in the Security Guard Force Post and Force Orders.

5.5.5 Special Guard (or Watchman)

This position may be filled when large numbers of visitors not escorted are in the recreation areas. The duties of this guard (or watchman) in an Owner Controlled Area evacuation are discussed in general in Step 8.4.5 of this procedure and are discussed in detail in the Security Guard Force Post and Force Orders.

5.5.6 Site Manager

The Site Manager is a FPL employee who performs liaison with the scout groups. His duties in an Owner Controlled Area evacuation are delineated in Step 8.5.5 of this procedure.

5.6 U. S. Air Force

The U. S. Air Force will handle its own personnel accountability by normal military procedures. An agreement is in effect between the Company and the U. S. Air Force wherein the U. S. Air Force, through Homestead Air Force Base, will assist in the evacuation of personnel in the area south and east of the Protected Area.

5.7 Escorts

The responsibilities of individuals acting as escorts are contained in Section 8.5.5.

6.0 References:

6.1 Turkey Point Plant Emergency Plan

6.2 Emergency Procedure 20109, Local Evacuation and Personnel Accountability

6.3 Emergency Procedure 20118, Duties of the Emergency Security Officer, Off-Site Emergency Organization

- 6.4 Turkey Point Plant Security Plan
- 6.5 FSAR, Section 14.2, Standby Safety Features Analysis
- 6.6 FSAR, Section 14.3, Reactor Coolant System Pipe Rupture
- 6.7 10 CFR 20, Appendix B, Concentrations in Air and Water Above Natural Background
- 6.8 Operating Procedure 11500, Health Physics Manual
- 6.9 10 CFR 50, Appendix E. Emergency Plans for Production and Utilization Facilities
- 6.10 10 CFR 51, Licensing and Regulatory Policy and Procedures for Environmental Protection
- 6.11 Off-Normal Operating Procedure 16008.1, Accident Involving New Fuel
- 6.12 Off-Normal Operating Procedure 16008.2, Accident Involving Spent Fuel

7.0 Records and Notifications:

- 7.1 Sequential log entries in the Nuclear Plant Supervisor's log book of the significant events pertaining to the Owner Controlled Area evacuation.

NOTE: Due to the possible magnitude of events taking place, the Nuclear Plant Supervisor, as the Emergency Coordinator, may assign selected, responsible, on-shift personnel to log these events.

- 7.2 Notifications by the Emergency Coordinator in accordance with Emergency Procedure 20101, Duties of the Emergency Coordinator, and Emergency Procedure 20104, Emergency Roster.

NOTE: The Emergency Coordinator may delegate to select, responsible, on-shift personnel the responsibility of continuing communications after he has made the initial notifications. The delegated personnel should maintain him current on all communications relevant to the emergency in progress.

- 7.3 A list of all persons assembled at the Florida City Substation shall be prepared by the Assembly Area Supervisor or his designee. This list should include the person's name and address.

- 7.4 Boat Ramp Log, Form 5785.

8.0 Instructions:

- 8.1 The Owner Controlled Area shall be evacuated in the following circumstances:

- 8.1.1 Site Area Emergency (when determined appropriate by the Emergency Coordinator based on his judgment of the likelihood of the situation degrading further and the need to minimize personnel exposure to radiation)

- 8.1.2 General Emergency

EMERGENCY PROCEDURE 20110, PAGE 6
CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

8.2 Evacuation Preparedness

- 8.2.1 All visitors, including scouts and groups using the recreation areas, shall have adequate transportation available on-site to evacuate all members of their respective groups.
- 8.2.2 It is the responsibility of the Security Force to ensure that the transportation requirement in 8.2.1 is met.
1. The Land Management Site Manager shall advise appropriate scout councils, contractor groups, and Belcher Oil Company of the requirement in 8.2.1.
 2. The Community Services Department shall advise groups which it schedules or permits to use the recreation areas of the transportation requirement in 8.2.1. This department has modified the appropriate permit forms to include this requirement.
- 8.2.3 Escorts accompanying visitors shall assure that transportation is available at all times while the visitors are on-site.
- 8.2.4 Guards, Land Management Site Manager and Escorts shall maintain control of groups or individuals to which they are assigned to enable all members of the groups to be located, notified and evacuated.
- 8.2.5 Supervisors of contractor operations with crews working in remot areas of the Owner Controlled Area, such as the cooling canal system, shall maintain communications with work crews to enable evacuation instructions to be communicated.
- 8.2.6 The Security Shift Supervisor or his designee should complete the Boat Ramp Log (Form 5785) for each boat admitted to the ramp area. Information on this log will assist in accounting for boats and personnel who may be outside of the Owner Controlled Area when an evacuation is ordered and who must be prevented from entering the area during an evacuation.

8.3 Evacuation Implementation

- 8.3.1 When the Emergency Coordinator (Nuclear Plant Supervisor) determines that an evacuation of the Owner Controlled Area is necessary, he will, in following Emergency Procedure 20101, Duties of the Emergency Coordinator, order an Owner Controlled Area evacuation using the PA system and the evacuation alarm.

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CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

8.3.2 Upon hearing the evacuation order or the evacuation alarm, all personnel not needed to place Units 1, 2, 3, and 4 in a safe condition and not on an emergency team or otherwise required on site, shall evacuate to the appropriate Assembly Area. Emergency Teams and Units 3 and 4 Nuclear Operator, Turbine Operator, and Auxiliary Equipment Operator, shall report to the Operational Support Center (South Assembly Room) for assignment.

1. All evacuating FPL employees and non-FPL personnel shall evacuate to the Florida City Substation, unless another area is specified by the Emergency Coordinator.
2. All personnel evacuating the Protected Area through the Main Entrance Station or the South Security Station should deposit their ID badges, key cards, and TLDs in the container provided for this purpose near the exit door.

8.4 Evacuation Routes

8.4.1 Specific Routes

1. From Girl Scout Camp, Public Picnic, Boat Ramp, Beach Area and the barge canal - North and East of Protected Area.
 - (1) Proceed southwest on the access road to intersection at the Main Entrance Station, turn west on main plant access road and proceed to Palm Drive, continue to Florida City Substation Assembly Area or other designated Assembly Area.
 - (2) See alternate evacuation routes in Step 8.4.3.
2. From U. S. Air Force School
 - (1) Proceed along north side of Protected Area to main plant access road and west of Palm Drive, continue to Florida City Substation Assembly Area or other designated Assembly Area.
 - (2) See alternate evacuation routes in Step 8.4.3.
 - (3) By boat, east and north in Biscayne Bay to Cutler Plant.
 - (4) By U. S. Air Force helicopter to Homestead Air Force Base.
3. From Boy Scout Camp
 - (1) Proceed north on Grand Canal Road to the Lake Warren south access road, turn east to South Security Station gate, then north to main plant road, turn west to Palm Drive and continue to the Florida City Substation Assembly Area or other designated Assembly Area.

EMERGENCY PROCEDURE 20110, PAGE 8
CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

(2) See alternate evacuation route in Step 8.4.3.

4. Cooling Canal System

Personnel in this area will be in changing locations east and west of the Grand Canal Road and south of the main plant access road, extending to Card Sound.

(1) Grand Canal Road

1. North - same as Step 8.4.2.3
2. South - proceed south and cross the south collector canal, turn west to first road on left. Turn south to Model Land Canal road, turn west and proceed to the Card Sound Road or Tallahassee Road and the designated assembly area.

(2) East Perimeter Road

1. North - proceed north past Loch Rosetta, cross the inlet coffer dam, continue to the main plant road and west to Palm Drive and the Florida City Substation Assembly Area or other designed Assembly Area.
2. South - proceed south and turn west on the collector canal road, cross over the cooling canal system outlet canal and continue until reaching the first road to the left. Turn south to Model Land Canal Road, turn west and proceed to the Card Sound Road or Tallahassee Road and the designated assembly area.

(3) West Perimeter Road

1. North - proceed north to the cooling canal system north road, turn east to the South Security Station Gate, then turn north to the main plant road and then west to Palm Drive and the Florida City Substation Assembly Area or other designed Assembly Area.
2. South - proceed south, then turn and continue east on the south collector canal road until reaching a road that leads south. Turn south to Model Land Canal Road, turn west and proceed to Card Sound Road or Tallahassee Road and the designated assembly area.

5. From the switchyard.

- (1) West on the main plant access road to Palm Drive, continuing to Florida City Substation Assembly Area or other designated Assembly Area.
- (2) See alternate evacuation routes in Step 8.4.3.

8.4.2 Alternate Evacuation Routes

The alternate evacuation routes utilize three canal bank roads as follows:

1. The West Perimeter Road - proceed west along the Lake Warren north road, past the north end of the cooling canals and turn south on the cooling canal system West Perimeter Road. Continue along this road until reaching the south collector canal road, turn and proceed east until reaching a road to the south. Turn south on this road and continue to the Model Land Canal Road, then turn west and proceed to Card Sound Road or Tallahassee Road and the designated assembly area.

2. The Grand Canal Road - proceed west along the Lake Warren south road, cross over the Grand Canal, turn left and *proceed south on the Grand Canal Road and cross over the south collector canal. Turn west and continue along the collector canal road until reaching the first road to the south. Turn south on this road and continue to the Model Land Canal Road, then turn west and proceed to Card Sound Road or Tallahassee Road and the designated assembly area.

*From Boy Scout Camp, begin at this point and follow the rest of this step.

3. The East Perimeter Road - proceed east along the north side of the Protected Area and cross the plant inlet on the coffer dam road. Proceed south along Loch Rosetta and the cooling water return canal to the dike that runs north and south along the east side of the cooling canal system. The East Perimeter Road runs along the top of the dike. Follow the road south until reaching the south collector canal road, turn west, cross the south outlet canal and continue along the collector canal road until reaching the first road to the left. Turn south on this road and continue to the Model Land Canal Road, turn west and proceed to Card South Road or Tallahassee Road and the designated Assembly Area.

8.5 Security Force Evacuation Implementation

8.5.1 Upon notification of the Owner Controlled Area evacuation, the Security Shift Supervisor (Interim Security Team Leader) shall:

1. Advise by radio all other guards on duty that a site evacuation is in progress. Specific instructions will be issued in accordance with the Security Guard Force Post and Force Orders and the Security Force will proceed with the evacuation of persons and with personnel accountability activities.
2. Telephone the U. S. Air Force School, advise them of the evacuation and provide evacuation information.
3. Telephone the Land Management office in the cooling canal system and advise that an evacuation is ordered and provide evacuation information.

8.5.2 The South Security Station Supervisor shall:

1. Direct the evacuation of personnel and the personnel accountability activities at the South Security Station as specified in the Security Guard Force Post and Force Orders.

8.5.3 The Protected Area Guard shall:

1. Sweep the plant site north and east of the Protected Area specifically including the Girl Scout Camp, the Barge Canal, and recreation areas, and on the west, the switchyard to verify that all personnel have evacuated to the Florida City Substation.
2. Notify any Special Guards on duty in these areas.
3. Extend rope bearing emergency signal sign reading, "Emergency Condition, Do Not Land, Divert to Bayfront or Cutler Plant" and place flashing yellow warning light so that it is visible from the water. Determine which boats cleared for the ramp area are on the water and report same to the Captain of the Guard.
4. Perform additional duties as specified in the Security Guard Force Post and Force Orders.

8.5.4 The Outside Patrol shall:

1. Sweep the Owner Controlled Area south and west of the Protected Area, specifically including the Boy Scout Camp, the cooling canal system headquarters and the cooling canals to verify that all personnel have evacuated to the Florida City Substation.

EMERGENCY PROCEDURE 20110, PAGE 11
CRITERIA FOR AND CONDUCT OF OWNER CONTROLLED AREA EVACUATION

2. Perform additional duties as specified in the Security Guard Force Post and Force Orders.

8.5.5 Land Management Site Manager, Escorts, and Special Guards shall:

1. Notify individuals escorted or members of groups to which they are assigned of evacuation procedures when notified that an Owner Controlled Area evacuation has been ordered.
2. Account for all persons in groups to which they are assigned and lead these groups to the Main Entrance Station and then direct them to the Florida City Substation Assembly Area.
3. Notify the Security Shift Supervisor of any persons in their groups not accounted for.

8.5.6 The Security Team Leader, after completion of sweeps by members of the Security Guard Force, shall instruct guards concerning special assignments which may be required as a result of the evacuation. He shall advise the Off-Site Emergency Security Officer of an circumstances which require his attention, including boats at sea launched from Turkey Point enabling the Off-Site Emergency Security Officer to relay the information to the U. S. Coast Guard and/or Marine Patrol.

8.6 Assembly Area Phase

- 8.6.1 Upon reaching the appropriate Assembly Area, each evacuee should then be monitored for contamination. If not contaminated, he should standby until dismissed or directed to re-enter the plant by the Assembly Area Supervisor. If contaminated, he shall be decontaminated prior to leaving the Assembly Area.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20111
MARCH 26, 1981

1.0 Title:

RE-ENTRY

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by [Signature] Plant Mgr-Nuclear, March 27, 1981

Approved by [Signature] Vice President
Power Resources MARCH 27, 1981

2.2 List of Effective Pages:

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3.0 Scope:

3.1 Purpose:

This procedure provides guidelines for the re-entry following an emergency and provides instructions to follow during re-entry.

3.2 Discussion:

3.2.1 Re-entry into the area affected by the emergency shall be made only when authorized by the Emergency Coordinator as follows:

1. To ascertain that all personnel who were in the affected area have been evacuated and to search for unaccounted for personnel.
2. To rescue any injured or trapped personnel from the affected area.
3. To perform operations which may decrease the severity/effect of the emergency or hazardous condition.
4. To determine nature and extent of the emergency and the radiological conditions.
5. To establish definite personnel exclusion area boundaries.

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- 3.2.2 The initial entry of the Emergency Teams and all subsequent entries until radiation areas have been properly marked, shall take place under the supervision of the Radiation Team Leader.
- 3.2.3 The Emergency Team Leaders will be fully briefed concerning the nature of the emergency. Information for these briefings will be obtained from the applicable available sources including current operating records, interviews with evacuated employees, and surveys conducted by the Radiation Team.

3.3 Authority:

Turkey Point Plant Emergency Plans

4.0 Precautions:

- 4.1 There shall be no re-entry into the area affected by the emergency after an emergency evacuation unless authorized by the Emergency Coordinator.
- 4.2 All Emergency Team members shall wear protective clothing, dosimeters, respiratory devices, and other protective devices specified by the Radiation Team Leader.
- 4.3 The following guidelines for emergency exposure of personnel shall be followed during the re-entry operation:
- 4.3.1 The Emergency Coordinator and the Emergency Team Leaders shall make every effort to minimize re-entry personnel exposures, utilizing radiation survey and monitoring devices, protective clothing, breathing apparatus, and other special equipment as required.
- 4.3.2 Under emergency conditions not requiring action to prevent serious injury or a catastrophic incident, every effort shall be made to maintain Emergency Team personnel exposures within the quarterly limits established for routine plant operations (3 Rem - Whole Body dose).
- 4.3.3 A planned emergency dose to prevent serious injury or to prevent destruction of equipment which could result in serious injury should not exceed 12 Rem whole body dose.
- 4.3.4 Under emergency conditions where immediate action is necessary to prevent serious injury or a catastrophic incident, Re-entry Team members' exposures authorized by the Emergency Coordinator with the consent of the individuals to be exposed should not exceed 25 Rem whole body exposure, except for life saving actions.
- 4.3.5 For life saving actions, an individual may receive a dose of up to 100 Rem whole body exposure.
- 4.4 An emergency team shall consist of at least two persons.

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5.0 Responsibilities:

- 5.1 The Emergency Coordinator has the responsibility for authorizing re-entry into an area after it has been evacuated.
- 5.2 The leader of the Radiation Team and/or of the Fire Team, as appropriate, is responsible for evaluating the existing emergency conditions and informing the Emergency Coordinator of the advisability of re-entry.
- 5.3 The Radiation Team Leader shall be responsible for the direct supervision of the initial entry into an evacuated area, and for all subsequent entries until radiation areas have been properly marked and a safe route determined. He shall also make recommendations to the Emergency Coordinator as to the expected doses the Emergency Team personnel will be subjected to and the feasibility of attempting re-entry into a given area.
- 5.4 It shall be the responsibility of the Emergency Team leaders to strictly follow the orders given to them by the Emergency Coordinator and the Radiation Team Leader and at all times to protect the members of their teams from injury and excessive radiation dose.

6.0 References:

- 6.1 Turkey Point Plant Emergency Plan
- 6.2 Operating Procedure 11500, Health Physics Manual
- 6.3 Emergency Procedure 20125, On-Site Emergency Organization

7.0 Records and Notifications:

Detailed records of all significant actions of the Emergency Teams shall be recorded in the Nuclear Plant Supervisor's log book.

8.0 Instructions:

- 8.1 The Emergency Coordinator or the Technical Support Center Supervisor shall:
 - 8.1.1 Brief the Emergency Team Leaders concerning the nature of the emergency.
 - 8.1.2 Instruct the Emergency Team Leaders as to what they must do while in the emergency area. This may consist of the following:
 1. Search for injured, trapped, or unaccounted for personnel.
 2. Operate equipment
 3. Determine the nature and extent of the emergency and radiological conditions.
 4. Establish definite personnel exclusion areas and access routes.

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8.2 The Radiation Team Leader shall:

- 8.2.1 Evaluate the emergency to determine the possible dose rates and stay times. Refer to Step 4.3 of this procedure for guidelines.
- 8.2.2 Supervise the initial entry of the Emergency Teams into the area of the emergency and any subsequent entries until radiation areas have been properly marked.
- 8.2.3 Based on the information available, select a route for the Emergency teams to follow into the affected area.
- 8.2.4 Verify that the Emergency Team personnel are properly equipped with appropriate protective clothing, dosimetry, respiratory devices, and other protective equipment required.

NOTE: Emergency equipment and supplies are located in the Units 3 and 4 Control Room, the Technical Support Center, and the Emergency Operations Facility.

- 8.2.5 Specify self-monitoring and decontamination procedures for the Emergency Team members, if different than routine practices.

8.3 The Emergency Team Members shall:

- 8.3.1 Wear protective clothing and other protective devices as specified by the Radiation Team Leader/Fire Team Leader.
- 8.3.2 Attempt to follow the pre-planned route into the affected area, and perform the assigned jobs quickly and safely.
- 8.3.3 Monitor the dose rate along the route followed, and identify high radiation areas.
- 8.3.4 Observe their dosimeters as appropriate and withdraw to a low dose rate area before dose limits in Step 4.3 are reached.
- 8.3.5 When re-entry is completed, follow the self-monitoring and personnel decontamination procedures as specified by the Radiation Team Leader.
- 8.3.6 Record and report to the Emergency Coordinator or his designee the radiological conditions, the extent of damage in the affected area, and the condition of the operating equipment.

- 8.4 The Emergency Coordinator and the Recovery and Restoration Team Leader shall evaluate the existing conditions and plan further actions as required to return to normal operations.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20112
MARCH 26, 1981

1.0 Title:

COMMUNICATIONS NETWORK

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981
Approved by [Signature] Plant Supt., March 27, 1981
Approved by [Signature] Vice President
Power Resources MARCH 27, 1981

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3.0 Scope:

3.1 Purpose:

This procedure provides information on the various modes of communication available at the Turkey Point Plant and instructions for their use during normal and emergency conditions.

3.2 Discussion:

The various communications systems described in this procedure comprise the communications network available at the Turkey Point Plant, for use in normal and emergency communications in the plant and with the outside. Instructions are also included on the use of alternate communication systems when part of the network has been affected by the emergency and is not operable.

The variety, design, and daily use of the systems comprising the network is such that they should assure reliable plant communications, inside and with the outside, in any foreseeable emergency.

3.3 Authority:

Turkey Point Plant Emergency Plans

3.4 Definitions:

- 3.4.1 Public Address (PA) System: A solid state public address system powered from a 120V AC circuit from MCC-0 breaker 0824. The alternate power supply is from Units 1 and 2 LP-11 that is powered by the General Service Station MCC. A 60 ampere double pole, double throw disconnect switch is mounted behind VP-8 in Unit 3 control center for swapping power supplies as necessary.

The PA System uses noise cancelling dynamic microphone type handsets located throughout the plant. The system includes one paging channel and one party line channel. Paging can be accomplished without disturbing communications on the party line channel.

The PA system on Units 3 and 4 is completely independent of the system in Units 1 and 2; however, it can be merged so that plant wide communications from either Units 1 and 2 or 3 and 4 are possible.

- 3.4.2 Motor Maintenance Circuit: A communications circuit, separate from the PA System, but using 120V AC power from the PA System power supply source. This circuit consists of various outlets throughout the plant, near major equipment both inside and outside the containment and at the fuel handling areas, into which a headset with a microphone can be plugged, to enable communication to be carried on while leaving the operator's hands free. Outlets for this circuit are also provided in the control room of Units 3 and 4 so that communications between the control room and stations can be established as well as communication between stations.
- 3.4.3 PAX Telephone System: A dial telephone system installed throughout the Protected Area. The exchange for this system is located in the Units 1 and 2 cable spreading room and is powered from a 48V battery and charger arrangement on Units 1 and 2.

This telephone system incorporates a code call system. The code call system is separate for each unit; however, both code call systems are actuated from any PAX telephone in the plant and can be answered from any PAX telephone in the plant. There is also a provision for connecting a PAX telephone to the PA systems of 1 and 2 or 3 and 4 for paging purposes.

- 3.4.4 Bell System Telephones: There are numerous Bell Telephone System lines connected to the plant through the switchboard in the Administrative Building Office for normal dial telephone service. Additional lines are installed as follows: Two are for telemetering and supervisory control, one for a teletype machine, one for a direct line to the System Operations Office, the Cutler Plant, and Davis substation, one for a direct line to Homestead Air Force Base and one for a telecopier machine. The telephones connected to these lines are located in the Administrative Building, both control rooms, the Auxiliary Building, in the Security stations, the I and C building and the Units 3 and 4 maintenance building. At night and on Saturdays, Sundays and holidays, lines are provided for Units 1 and 2 Control Center, Units 3 and 4 Control Center, selected management personnel offices, and the Main Entrance Station that do not require the switchboard to be manned. This system comprises the main outside communications system.

- 3.4.5 FM Radio System: A FM transmitter-receiver is located in the Unit 1 and 2 control center; a microphone and speaker from this radio are located in the Unit 3 and 4 control center. This radio will provide back-up communications between Turkey Point Plant, the System Operations Office, and the Cutler Plant. The System Operations Office has direct telephone lines and either direct, patch, or indirect radio contact with all plants, radio-equipped vehicles and service centers in the FPL system.
- 3.4.6 Portable Radio Transmitter-Receiver Sets: (Walkie-Talkies) Various portable radio transmitter-receiver sets are available to supplement the fixed communications equipment in the plant. These radios are light-weight battery operated sets which may be easily carried by personnel to any location on the plant site. Some of these portable radios are capable of communicating with the FM radio transmitter-receiver station described in step 3.4.5 over a range of several miles.
- 3.4.7 Miami Area Inter-Office Dial System: Each of the several Company offices in the Miami Area have their own switchboard and telephone exchange number. There is also a tie line system whereby inter-office direct dialing can be accomplished. Offices on this system include most of the Miami Area FPL offices. Each switchboard also has an intra-office direct dial system.
- 3.4.8 Radio Paging System: Telephones in the Miami Area inter-office dial system are interconnected to the Radio Paging System. This system is capable of reaching beepers anywhere in Dade, Broward, Palm Beach and Sarasota Counties. Beepers are regularly assigned to key personnel in the Off-Site Emergency Organization as shown on the Emergency Roster, and additional beepers can be quickly assigned if required in an emergency. A beeper is also assigned to the Duty Call Supervisor. Assignment of beepers is shown in Emergency Procedure 20104, Emergency Roster.
- 3.4.9 Company Radio System: The Company radio system consists of fixed base FM radio stations in the System Operations Power Coordinator, Miami Division Load Dispatcher, trouble dispatcher offices, service centers and power plants, plus numerous mobile units in automobiles, trucks, and mobile service equipment. In the event of interruption of electric service to the base radio stations, emergency power can be supplied with existing equipment.
- 3.4.10 National Warning System (NAWAS): The NAWAS is installed in the Nuclear Plant Supervisor's office. This system uses commercial, protected telephone land lines. The initial emergency notification to the State Warning Point at the Bureau of Disaster Preparedness and the Dade County Civil Defense Coordinator for Site Area Emergency and General Emergency will be made via NAWAS unless NAWAS is inoperable, then notification will be made by telephone. Notification for ALERT is by telephone.

3.4.11 Local Government Radio (LGR) System: The LGR System is installed in the Nuclear Control Center adjacent to the Nuclear Plant Supervisor's office. This system, which operates on frequencies allocated to the State Bureau of Disaster Preparedness (BDP), unless inoperative or unavailable, can be used to maintain communications with the State Department of Health and Rehabilitative Services (DHRS) Mobile Emergency Radiological Laboratory (MERL), and the Dade County Disaster Preparedness Coordinator.

3.4.12 Emergency Notification System (ENS): The ENS is installed in NWE's office, with an extension in Control Room. This is an automatic ringing system that is designed to facilitate notifications to the NRC within one hour of the time that the reactor is not in a controlled or expected condition of operation.

4.0 Precautions:

- 4.1 Whenever the PA system is in use and is required for an emergency communication, the parties using the PA system shall cease their use of the equipment after the person requesting right of way has identified himself and stated that the system is required for emergency use.
- 4.2 Do not keep the code call or the PA Systems busy unnecessarily; if a prolonged conversation is to be carried on, request the other party to call your station on the PAX phone, thus releasing the code call or PA System for other use.
- 4.3 Always speak clearly and with normal tone and loudness when using any of the communications systems described.
- 4.4 Do not leave the PA System page button depressed while carrying on a normal conversation, as this will keep the PA on the page channel and the channel will not be able to be used by another party.
- 4.5 The FM radio set is to be used only for backup communications when the Bell System telephones are out of commission.
- 4.6 All radio communications shall be conducted in accordance with Federal Communications Commission regulations and company rules as set forth in Reference 6.3, FPL Radio Operations Handbook.

5.0 Responsibilities:

- 5.1 None

6.0 References:

- 6.1 FSAR Section 7.7, Operating Control Stations
- 6.2 Turkey Point Plant Emergency Plans
- 6.3 FPL Radio Operations Handbook

7.0 Records and Notifications:

None

8.0 Instructions:

8.1 Normal Use of the Public Address (PA) System

8.1.1 The main use of the PA System during normal operation of the plant is to page personnel. When information must be issued throughout all of the Protected Area, merge the PA System on Units 3 and 4 with the one on Units 1 and 2 by use of the switch located in the control center of Units 3 and 4 or by requesting that the Units 1 and 2 Control Center Operator do so by using the switch located in the Units 1 and 2 control center.

8.1.2 To use the PA System, proceed as follows:

1. Remove the handset from its holder and depress the page pushbutton.
2. Speak clearly with normal tone and loudness directly into the microphone and call out the desired person's name twice.
3. Release the page pushbutton and wait until the party called answers the page.
4. If no other conversation is being carried on the party line channel, proceed with your conversation.
5. If a long conversation is to be carried on, request the other party to call you at your station on the PAX telephone and release the PA for other use.
6. To answer a call on the PA, remove the handset from the holder and acknowledge the call.
7. To terminate the conversation, hang the handset on the holder.
8. If the system had been merged with the system on Units 1 and 2, separate the system at this time by returning the switches in each control room to their normal position.

8.2 Emergency Use of the PA System:

8.2.1 The use of the PA System during emergency conditions is to notify plant personnel of the emergency and to issue appropriate instructions to cope with the emergency.

8.2.2 When the PA System is required for emergency use, proceed as follows:

1. Remove the handset from its holder, depress the page pushbutton and with a clear voice state that this is an emergency call and state the nature of the emergency and any appropriate instructions required. As long as the page pushbutton is depressed, all the PA speakers in the circuit will broadcast the message. This does not interfere with conversation being carried on the party channel.
2. After the initial emergency warning and instructions are issued, release the page pushbutton and request that anybody still using the party channel for other than emergency related communications, release the party line for emergency use.
3. Depending on the nature of the emergency, further instruction and emergency communication can be given on the party line channel, or if a large area of the plant is involved and it is necessary to communicate with a number of persons at once, the page channel may be used continuously by keeping the page pushbutton depressed.
4. When the nature of the emergency condition is such that warnings or information must be issued through out all of the Protected Area merge the PA System on Units 3 and 4 with the one on Units 1 and 2 by use of the switch located in the control center of 3 and 4 Units or by requesting that the Units 1 and 2 Control Center Operator do so using the switch located in the Units 1 and 2 control center.
5. When the emergency is over, announce it on the PA System and issue any instructions related to the resumption of normal operations, by use of the page channel of the system. If only local instructions to one person or group of persons is required, these can be issued on the party line channel after first calling them on the page channel.
6. If the system had been merged with the system on Units 1 and 2, separate the system at this time by returning the switches in each control center to their normal position.

8.3 Normal and Emergency Use of the Motor Maintenance Circuit:

- 8.3.1 This communications system will be used mainly for communications between personnel working on a particular piece of equipment and the control center or another station on the system. It will also be used when fuel handling is in progress, to communicate between the various fuel handling stations without tying up the PA or PAX facilities at those stations.
- 8.3.2 This system may be used during emergencies to communicate and issue instructions to personnel working to correct the emergency condition, or stationed by the areas where outlets from this system are located, thus leaving the PA and PAX systems clear for other emergency related use.

8.3.3 In order to use this communication systems for normal or emergency use, obtain headset and microphone sets from the control center or Maintenance Dept. and issue them to men assigned to the station with which it is desired to communicate. Plug the head and microphone sets into the jacks at the station. Speak normally and clearly into the microphone for communications.

8.3.4 When use of the system is terminated, unplug the head and microphone set from the jack and return them to their storage place. No further deactivation of the circuit is required.

8.4 Normal and Emergency use of the PAX telephone system, including the code call and fire alarm features

8.4.1 The use of the PAX telephone system is the same during normal operating conditions as during emergency conditions. Its main function is to provide private telephone conversations between any two PAX stations in the plant and to provide a means of paging a particular person by sounding or flashing a particular code number on horns and lights which are located throughout the plant. The fire alarm can be activated from the PAX telephone. There are provisions for tying in with the PA systems of Units 1 and 2 or 3 and 4 for paging purposes.

8.4.2 Use of the various features of the PAX telephone system is as follows:

1. To use the system as an in-plant dial telephone system, dial the three digit number corresponding to the station being called. All numbers on both units can be reached from any PAX telephone in the Protected Area.
2. To use the code call feature of the system, it is necessary to first dial the digit 0 this connects the code call circuit to the PAX telephone system. After dialing 0, dial the three digit code number assigned to the person wanted. A system of bells, horns and lights located throughout the Protected Area will sound and flash the code number called until the call is answered. In order to answer the call, the person assigned the code which is being called shall dial the digit 0 on any PAX telephone.

Once the call is answered, another party may use the code call circuit even while the original caller is on the line. However, once two parties are using the code call circuit, no other party can use it until one of the calls is terminated.

3. There is a red telephone for emergency communications in the control room; dialing 9 will cause the telephone to ring. This tel. shall be used only for emergency communications.

4. To connect the PAX telephone system to the PA systems for paging purposes only, dial [redacted] to connect the telephone to the Units 1 and 2 PA system, or [redacted] to connect to the Units 3 and 4 PA system. Request that the person being paged call you on your PAX phone, by giving your PAX number.

8.4.3 No provision is made to connect the PAX telephone system in the plant to the Bell telephone system.

8.5 Use of the Bell System Telephones:

8.5.1 The Bell System telephone lines assigned to the plant, through the switchboard in the Administrative Building Office, are the normal means of communication with the outside, both during normal operations and emergency conditions. The lines operate on the rotary system, that is, when the main plant number is busy, the call is automatically switched or rotated to another number of the assigned plant lines. During normal working hours, or any time the plant switchboard is manned, two of the rotary lines are assigned to permit incoming calls only, so that not all of the lines will be in service with only outgoing calls. In addition, there are two rotary lines assigned that permit outgoing calls only, so that even if all assigned lines for incoming or incoming-outgoing calls are in service, it is still possible to call outside in an emergency. The balance of the assigned lines are dual purpose incoming-outgoing lines and should rotate until all are in use, at which time a busy signal is received.

8.5.2 The use of the Bell System telephone lines is normally unrestricted (except for placing long distance calls) and outgoing calls may be made using standard Bell System procedures after dialing [redacted] to obtain an outside line. To place a long distance call during normal working hours, contact the switchboard operator and request a long distance line, giving the area code and number desired and your name. The switchboard operator will connect you to a long distance line and you then dial the number desired. During off hours, when the switchboard is closed, long distance calls cannot be made.

8.5.3 The Bell System telephones in the plant are also three digit extensions for intra-plant calls. To reach another extension within the plant, it is only necessary to dial the three digit number assigned to that extension.

8.5.4 The two lines used for telemetering and control are for sending and receiving equipment control signals and cannot be used for voice communications.

- 8.5.5 The line assigned to the teletype machine can be used for voice communication; however, normal use is limited to the teletype machine. With the teletype it is possible to communicate with any of the other teletype machines. Teletype machines are installed in the System Operations Power Coordinators Office, the FPL General Office, other FPL power plants and other FPL departments.

During periods of system abnormal conditions or emergency, the teletype may be used to send and/or receive information pertaining to the emergency for which a permanent record is desired.

- 8.5.6 The direct line to the System Operations Power Coordinators Office, which is also connected to the Cutler Plant and Davis Substation, is constantly monitored by means of open speakers in the Units 1 and 2 and 3 and 4 control centers, the Cutler Plant control rooms and switchboard in the System Operations Power Coordinators Office.

This line is in constant use and its main use both during normal operation conditions and emergency conditions is for transmitting and receiving instructions and information to and from the System Operations Power Coordinators Office.

To use the line, remove the handset from its holder (this cuts out the speaker) then depress the button on the telephone the appropriate number of short and long rings corresponding to the station being called. It is also possible to establish communication by lifting the handset from its holder and calling the station or party desired.

During an emergency, the party requiring the use of this line for emergency related communications, shall identify himself, state that the line is needed for emergency use, and request that all other parties using the line for non-emergency communications clear the line.

- 8.5.7 The direct line to Homestead Air Force Base is provided for use in an emergency and is located in the Nuclear Plant Supervisors office in the control center of Units 3 and 4. It will be tested periodically to verify operability.

- 8.5.8 The line assigned to the automatic telecopier machine in the Administrative Building Office can be used for voice communication, however, its normal use is limited to and is set on standby for the automatic telecopier machine. With the telecopier, it is possible to transmit copies of documents, letters, instructions, or other communications between the General Office and the plant during normal or emergency conditions.

8.6 Use of FM radio transmitter - receiver station:

- 8.6.1 The FM radio transmitter-receiver set is the backup means of communications with the outside, providing communications with the Cutler Plant, System Operations Power Coordinators Office, and portable radio sets.

- 8.6.2 The FM radio set is to be used only for backup communications during periods of failure of the normal Bell Telephone System.
 - 8.6.3 The radio consoles located in both Units 1 and 2 and 3 and 4 control centers are always ON and monitoring the assigned frequency. Any transmission from the System Operations Power Coordinators Office, Cutler Plant, or portable radios to the plant will be received without having to operate the set.
 - 8.6.4 All radio communications shall be conducted in accordance with Federal Communications Commission regulations and company rules as set forth in Reference 6.3, FPL Radio Operations Handbook.
- 8.7 Various portable radio transmitter-receivers are available in the plant for communication with personnel in the outlying areas. Some of these portable radio sets are capable of communicating with the FM radio transmitter-receiver described in Section 8.6.

These portable radios are to be used when it is desired to communicate with personnel in areas where there are no permanent communication devices, such as in the outlying areas of the plant. These portable radios will also be used during emergency conditions when the normal means of communication are not functioning.

8.8 Use of the National Warning System (NAWAS)

- 8.8.1 The NAWAS is used, unless inoperative or unavailable, for announcing the initial warning to the State Warning Point at the Bureau of Disaster Preparedness (BDP) and Dade County Civil Defense Coordinator of a SITE AREA or GENERAL EMERGENCY.
- 8.8.2 The NAWAS is a direct, protected telephone land line with the handset installed in the Nuclear Plant Supervisors Office in Units 3 and 4 control center.
- 8.8.3 Picking up the handset from its cradle activates a response at the State Warning Point and Dade Civil Defense offices. The Nuclear Plant Supervisor will advise the personnel on the other end of the system, in a coded message, of the conditions at the plant. He then places the handset back on its cradle, as this is the only use for during an emergency. His message will activate the required state and local emergency teams.

8.9 Use of the Local Government Radio (LGR)

- 8.9.1 The LGR is used, unless inoperative or unavailable, for maintaining communications with various state and local disaster preparedness personnel. Messages are transmitted and received on frequencies allocated by the state BDP.
- 8.9.2 The LGR control unit is installed in the Nuclear Plant Supervisor's office in Units 3 and 4 control center.

8.9.3 After turning on the control unit, messages are transmitted by activating the microphone switch. Messages are not in code and shall only be transmitted for coordination and assistance from the various off-site agencies involved in assisting Turkey Point in an emergency situation. Messages may be received from the off-site agencies when the plant personnel are not transmitting.

8.10 In cases where an emergency has affected one of the normal means of communications, or in the case that a normal system is out of order, the following systems will serve as backup:

NORMAL SYSTEM

ALTERNATES

PAX Phone System

PA System and Bell System Extensions

PA System

Portable Radios, PAX Telephones

Bell System Telephone

FM Radio Transmitter-Receiver

8.11 Use of Emergency Notification System

Within one hour of the time that the reactor is not in a controlled or expected condition of operation, the NRC is required to be notified using the NRC ENS circuit (red phone). The Nuclear Plant Supervisor (Emergency Coordinator) shall be responsible for assuring that this notification is made. The Duty Call Supervisor will make this notification if he is on site or can be onsite within one hour. The Nuclear Watch Engineer may be designated to perform this notification at the direction of the Emergency Coordinator.

Examples of conditions of operation which require this immediate notification are:

1. Any incident resulting in valid safeguards initiating,
2. Any situation requiring control room evacuation,
3. Initiating of the emergency plans for ALERT, SITE AREA or GENERAL EMERGENCY in accordance with Emergency Procedure 20103, Classification of Emergencies.

The NRC will check the status of Units 3 and 4 nuclear facilities on a daily basis. This call will also be used as the check of the ENS telephone line.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20113
MARCH 26, 1981

1.0 Title:

MAINTAINING EMERGENCY PREPAREDNESS - EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS.

2.0 Approval and List of Effective Pages:

2.1 Approval:

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Approved by [Signature] Vice President
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3.0 Scope:

3.1 Purposa:

This procedure provides instructions for conducting periodic emergency exercises, drills, and tests.

3.2 Discussion:

Periodic exercises and drills will be conducted in order to test the state of emergency preparedness of participating personnel, organizations, and agencies. Each exercise or drill will be conducted to:

- 3.2.1 Ensure that participants are familiar with their respective duties and responsibilities.
- 3.2.2 Verify the adequacy of the Emergency Plan and emergency procedures.
- 3.2.3 Test the communication network and systems.
- 3.2.4 Check the availability of emergency supplies and equipment.
- 3.2.5 Verify the operability of emergency equipment.

EMERGENCY PROCEDURE 20113, PAGE 2
MAINTAINING EMERGENCY PREPAREDNESS -
EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS

The results of the exercises will form the basis for corrective action to eliminate identified deficiencies, and will be discussed during a post-exercise evaluation.

3.3 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plan.

4.0 Precautions:

- 4.1 Every emergency alarm or announcement shall be assumed to be true unless a announcement is made to the contrary.

5.0 Responsibilities:

- 5.1 The FPL Emergency Plan Administrator shall be responsible for planning, scheduling, and coordinating all major emergency drills or exercises involving off site agencies. When an exercise is to be conducted, the Emergency Plan Administrator shall:

5.1.1 Schedule a date for the exercise in coordination with the Plant Manager-Nuclear and the primary State and county emergency response agencies.

5.1.2 Coordinate all FPL efforts with outside organizations and agencies.

5.1.3 Obtain the approval of the Plant Manager-Nuclear.

5.1.4 Prepare a letter or report containing an evaluation of the exercise.

- 5.2 The Operations Superintendent-Nuclear shall be responsible for planning, scheduling, and coordinating all onsite emergency drills. When a drill is to be conducted, he shall:

5.2.1 Schedule a date for the drill in coordination with the Plant Manager-Nuclear.

5.2.2 Assure that a scenario is prepared.

5.2.3 Assign observers for specific portions of the drill.

5.2.4 Obtain the approval of the Plant Manager-Nuclear.

5.2.5 Discuss and evaluate the exercise with observers and principal participants.

5.2.6 Ensure that for all identified deficiencies corrective measures are recommended.

5.2.7 Prepare a letter or report of the drill containing an evaluation of the drill.

EMERGENCY PROCEDURE 20113, PAGE 3
MAINTAINING EMERGENCY PREPAREDNESS -
EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS

5.3 When an exercise or a major drill is to be conducted, the Plant Manager-Nuclear shall assure that the following is accomplished:

- 5.3.1 Assign personnel to prepare a scenario.
- 5.3.2 Coordinate through the Emergency Plan Administrator all activities which involve off-site personnel organizations or agencies.
- 5.3.3 Schedule a date for this activity in coordination with the Emergency Plan Administrator and assign observers.
- 5.3.4 Review evaluations of exercise or drill with the observers and the Plant Nuclear Safety Committee (PNSC).
- 5.3.5 Ensure that deficiencies which are identified are addressed with corrective measures.

These exercises and drills will simulate emergency conditions and may be scheduled such that two or more exercises or drills are conducted simultaneously.

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan
- 6.2 NUREG 0654

7.0 Records and Notifications

- 7.1 Log Entries
- 7.2 Written evaluation to PNSC, Plant Manager-Nuclear, and Emergency Plan Administrator by the Operations Superintendent-Nuclear.

8.0 Instructions

8.1 The following emergency exercises, drills, and tests shall be conducted at the frequency indicated:

8.1.1 Exercises (Integrated Drills)

A major radiological emergency response exercise shall be conducted annually to demonstrate the effectiveness of the Emergency Plan. This exercise shall be conducted as a Site Area Emergency or General Emergency and will provide for the coordination with and participation of off-site emergency response personnel organizations and agencies including those of federal, state, and local governments. The emergency scenario shall be varied from year to year. Provisions shall be made to start at least one exercise between 6:00 p.m. and midnight, and at least one exercise between midnight and 6:00 a.m., every six years.

This emergency response exercise shall be critiqued by Florida Power and Light Company observers/evaluators.

3/26/81

EMERGENCY PROCEDURE 20113, PAGE 4
MAINTAINING EMERGENCY PREPAREDNESS -
EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS

8.1.2 Radiological Monitoring Drill

A radiological monitoring drill shall be conducted annually. These drills will include collection and analysis of sample media (e.g. water, air).

8.1.3 Health Physics Drills

The Health Physics Department shall conduct health physics drills semi-annually and one of the semi-annual drills may be incorporated into the radiological monitoring drill.

8.1.4 Medical Emergency Drill

A medical emergency drill involving a simulated contaminated individual, with provisions for activation of the plant First Aid and Personnel Decontamination Team and participation by local support services (i.e., ambulance and off-site medical treatment facility), shall be conducted annually.

8.1.5 Fire Emergency Drill

Fire drills are conducted in accordance with 10 CFR 50, Appendix R and Technical Specifications.

8.1.6 Communications Tests

Communications with the Bureau of Disaster Preparedness, Department of Health and Rehabilitative Services, and Dade and Monroe County Disaster Preparedness Coordinators will be tested monthly.

8.2 Conducting Drills

8.2.1 Prior to commencing each drill, the Nuclear Plant Supervisor (NPS) shall evaluate the plant conditions and ascertain that the drill will not adversely affect plant equipment or operations.

8.2.2 The Operations Superintendent-Nuclear shall designate specific members of the plant staff to act as observers during the drill.

These observers shall be posted where appropriate in the plant area to observe and record the actions of plant personnel during the drill and to verify alarm audibility.

8.2.3 After receiving a signal or alarm indicating that an emergency condition exists, which has been initiated as part of the drill, the NPS shall take action as required by the Emergency Plan.

8.2.4 At the termination of the drill, the NPS shall announce over the PA system that the drill is over. This shall be repeated along with any required instructions.

EMERGENCY PROCEDURE 20113, PAGE 5
MAINTAINING EMERGENCY PREPAREDNESS -
EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS

8.3 Evaluation of Drills and Exercises

8.3.1 Following a drill the Operations Superintendent-Nuclear shall assimilate all information and data concerning the emergency procedure drill and hold a critique on the drill with the PNSC.

The PNSC shall recommend changes to the Emergency Procedures as necessary.

8.3.2 Following an exercise, the plant management, FPL observers and principal participants in the exercise will meet to discuss and evaluate the exercise.

The evaluation shall be based on the ability of participants to follow emergency procedures, the adequacy of emergency procedures, and the adequacy of emergency equipment and supplies. Plant management shall be responsible for any necessary changes in the Plant Emergency Procedures and for recommending changes in the Emergency Plan to the Emergency Plan Administrator.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20125
MARCH 26, 1981

1.0 Title:

ON-SITE EMERGENCY ORGANIZATION

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981

Approved by [Signature] Plant Mgr-Nuclear, March 27, 1981

Approved by [Signature] Vice President
Power Resources 14 MARCH 27, 1981

2.2 List of Effective Pages:

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3.0 Scope:

3.1 Purpose:

This procedure describes the members and duties of the On-Site Emergency Organization (See Figure 1).

3.2 Discussion:

During the period immediately following the declaration of an emergency, the shift operating staff constitutes the immediate response organization, i.e., the Interim Emergency Teams. Emergency requirements take immediate precedence over normal operating responsibilities (as determined by Emergency Procedures or at the direction of the Emergency Coordinator). Subsequent to the immediate response actions and notifications, other plant staff will begin arriving to form the Primary Emergency Teams and to staff the Technical Support Center. The On-Site Emergency Organization reports to and supports the Emergency Coordinator.

3.3 Authority:

Turkey Point Plant Emergency Plan

EMERGENCY PROCEDURE 20125, PAGE 2
ON-SITE EMERGENCY ORGANIZATION

3.4 Definitions:

3.4.1 Emergency Coordinator:

Responsible for notifying off-site authorities, both inside and outside the Company and has full authority and responsibility for on-site emergency response actions. This function is performed by the Nuclear Plant Supervisor. A member of the plant management staff with a Senior Reactor Operator License may assume this function at their discretion. (See Emergency Procedure 20101, Duties of Emergency Coordinator).

3.4.2 Interim Emergency Teams:

The Interim Emergency Teams are composed of members chosen from plant shift personnel. All are qualified in procedures and practices required for the performances of their duties as team leaders or members.

3.4.3 Primary Emergency Teams:

The Primary Emergency Teams are composed of first line management personnel and others who normally work on the regular day work schedule, which is also exclusive of weekends and holidays.

3.4.4 Technical Support Center Supervisor:

The person designated by the Emergency Coordinator to supervise the personnel and manage the technical support activities in the Technical Support Center. This function is performed by one of the following:

Operations Superintendent - Nuclear
Operations Supervisor - Nuclear
Technical Department Supervisor
Other department supervisors (if necessary)

4.0 Precautions:

- 4.1 The Interim Teams should take action regardless of the fact that the Primary Emergency team members may be present.

Members of an Interim Emergency Team may consider themselves relieved only upon the specific instructions of a recognized superior or the Primary Emergency Team Leader. Merely knowing that a superior or a Primary Emergency Team Leader is present does not constitute a release from emergency duties and responsibilities.

- 4.2 At their own option, and with the knowledge of the Emergency Coordinator, line management members of that team may relieve their counterpart on the Interim Emergency Teams.

EMERGENCY PROCEDURE 20125, PAGE 3
ON-SITE EMERGENCY ORGANIZATION

5.0 Responsibilities:

5.1 Emergency Direction and Control:

The Emergency Coordinator shall be responsible for direction and control, as described in Emergency Procedure 20101, Duties of Emergency Coordinator.

5.2 Notification and Communication:

The Emergency Coordinator shall be responsible for notification and communications as described in Emergency Procedure 20101, Duties of Emergency Coordinator.

5.3 Radiation Team:

The Health Physics Supervisor shall be the Radiation Team Leader. He shall direct the actions of the Health Physics technicians under the orders of the Emergency Coordinator. The Interim Radiation Team Leader is designated as the Health Physics Technician on shift with the Nuclear Watch Engineer as his alternate.

5.4 Plant System Engineering:

The Shift Technical Advisor shall provide the initial technical support necessary for repair or corrective actions.

5.5 Fire Team:

The Nuclear Watch Engineer shall be the Fire Team Leader. This position is manned continuously but if he is not available the Nuclear Turbine Operator shall act as his alternate.

5.6 First Aid/Decontamination Team:

The Plant Radiochemist shall be the Primary Team Leader with the Chemistry Supervisor as his alternate. A Nuclear Operator, trained in first aid and personnel decontamination, shall be the Interim Team Leader. If no Chemistry Department personnel are on-site, any trained employee could act as a First Aid/Decontamination Team member until primary team members can be called in.

5.7 Security Team:

The Security Supervisor shall be the Primary Security Team Leader with the Assistant Plant Security Supervisor as his alternate. The Security Shift Supervisor shall act as the Interim Security Team Leader. Personnel control and accountability are the responsibility of the Security Team. The Security Team Leader shall be responsible for notifying the Emergency Coordinator of unaccounted for personnel. Notification of occupants in the Owner Controlled Area shall take place during the security search.

EMERGENCY PROCEDURE 20125, PAGE 4
ON-SITE EMERGENCY ORGANIZATION

5.8 Rescue Team:

Rescue Operations shall involve the First Aid/Decontamination Team and the Radiation Team as necessary. Under the control of the Radiation Team Leader, entry to potentially hazardous areas shall be made by the First Aid/Decontamination Team with assistance from the Radiation Team. Upon notification of the injury, both teams shall respond per the Emergency Coordinator's instructions.

5.9 Recovery and Restoration Team:

The Operations Superintendent - Nuclear shall be the Team Leader. The Technical Department Supervisor is the alternate. Team members shall be assigned from available plant staff.

5.10 Re-Entry:

Re-entry teams shall be formed as necessary in accordance with Emergency Procedure 20111, Re-Entry.

6.0 References:

6.1 Turkey Point Plant Emergency Plan

6.2 Emergency Procedure 20101, Duties of an Emergency Coordinator

7.0 Records:

The Emergency Coordinator shall maintain records as described in Emergency Procedure 20101, Duties of the Emergency Coordinator.

8.0 Instructions:

8.1 Upon declaration of an emergency, the Interim Team Leaders shall contact the Emergency Coordinator to determine the immediate response teams needed.

8.2 The Shift Technical Advisor shall assist the Emergency Coordinator in evaluating the emergency.

8.3 The Emergency Coordinator shall initiate the notifications described in Emergency Procedure 20101 to inform necessary plant management and Emergency Team Leaders.

8.4 The Technical Department Supervisor shall report to the Technical Support Center and act as the TSC Supervisor. The personnel in the TSC shall provide plant management support to allow the Nuclear Plant Supervisor to concentrate on reactor control.

8.5 The Emergency Coordinator shall provide watch relief as conditions require changes.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20126
MARCH 26, 1981

1.0 Title:

LOSS OF COOLANT ACCIDENT DOSE CALCULATIONS

2.0 Approval and List of Effective Pages:

2.1 Approval:

Reviewed by Plant Nuclear Safety Committee March 26, 1981

Approved by J. Hays Plant Supt., March 27, 1981

Approved by [Signature] Vice President
Power Resources MARCH 27, 1981

2.2 List of Effective Pages:

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3.0 Purpose:

3.1 Purpose:

This procedure provides a method for estimating radiation exposures in areas around the plant following a loss of coolant accident.

3.2 Discussion:

3.2.1 The Emergency Coordinator shall estimate radiation exposures for off-site locations from the plant boundary to ten miles whenever a loss of coolant accident is expected or has occurred.

3.2.2 The Emergency Coordinator shall use the method described in this procedure to estimate radiation exposures until the Chemistry Department representative arrives on the scene.

3.3 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plan.

4.0 Precautions:

None

EMERGENCY PROCEDURE 20126, PAGE 2
LOSS OF COOLANT ACCIDENT DOSE CALCULATIONS

5.0 Responsibilities:

The Emergency Coordinator or his designee has the responsibility for making the initial radiation exposure estimates.

The Chemistry Department representative shall make refined estimates upon arriving at the scene at the direction of the Emergency Coordinator.

6.0 References:

6.1 Turkey Point Plant Radiological Emergency Plan.

6.2 Turkey Point Plant Radiation Protection Manual

7.0 Records and Notifications:

Detailed records of meteorological conditions used to estimate dose rates, time, and results of dose estimates shall be kept on the attached worksheets. As deemed appropriate by the Emergency Coordinator, the off-site authorities shall be notified of:

7.1 Meteorological conditions at appropriate levels (wind speed, wind direction, stability (if available), and precipitation).

7.2 Projected thyroid and whole body doses at the site boundary,

7.3 Projected thyroid and whole body doses at the site boundary and at 2, 5, and 10 miles, including sectors affected, and

7.4 Basis used for estimating doses.

8.0 Instructions:

8.1 The Emergency Coordinator shall, upon the initiation of an event which is interpreted to be a loss of coolant accident project the thyroid and whole body doses in areas surrounding the plant as follows:

8.1.1 Record the date, time, wind speed, wind direction and time period over which wind data have been averaged onto the "Dose Projection Worksheet", Table 6-1.

8.1.2 Select the proper set of overlays for use in making the dose estimates. If wind speed is less than 10 mph, select the overlays labeled "Loss of Coolant Accident Stable Condition". If wind speed is greater than 10 mph, select the overlays labeled "Loss of Coolant Accident Unstable Condition".

NOTE: If a wind speed value is not available use the "Stable Condition" overlays.

EMERGENCY PROCEDURE 20126, PAGE 3
LOSS OF COOLANT ACCIDENT DOSE CALCULATIONS

8.1.3 Make the dose estimate as follows:

1. Select the 1 in. = 2,600 feet scale overlay and position the "PLANT" reference point over the center point between the Units 3 and 4 containments (use Figure 6-5 for the site area map).
2. Position the centerline of the overlay plume in the direction toward which the wind is moving. Align the overlay extended centerline that is to the right of the "PLANT" reference point that indicates the direction from which the wind is blowing.

NOTE: Some small shift in wind direction is almost always present. Therefore, to accurately determine the need to evacuate the area affected by the radioactive release, both the left and right extremes in the direction toward which the wind is moving, and all of the area between these extremes, shall be used for positioning the overlay.

3. Read and record thyroid dose directly from the overlay at the site boundary and 2, 5, and 10 miles from the plant. Record these values on Table 6-1.

NOTE: If no estimate of wind direction is available the dose should be assumed to occur in all directions around the plant.

4. Estimate whole body dose by dividing the thyroid dose by a factor of twenty (20). Record this value on Table 6-1.
5. The values recorded from Steps 3 and 4 are two-hour integrated doses. If an estimate is required for a shorter time, then the values should be adjusted proportionally. For example, if a one-hour integrated dose estimate is desired, then one half (1/2) the values from Steps 3 and 4 should be recorded on Table 6-1.
6. The time period to which the projection applies shall be recorded on Table 6-1.
7. The procedure should be repeated as necessary. Updating at a fifteen minute frequency is desirable, particularly if the wind direction is varying. Updating at this frequency should result in more realistic estimates as opposed to the presumption of a persistent wind direction for two hours. When updates are made the cumulative dose distribution shall be updated each time the calculation is performed. Table 6-2 shall be used for this purpose.

EMERGENCY PROCEDURE 20126, PAGE 4
LOSS OF COOLANT ACCIDENT DOSE CALCULATIONS

TABLE 6-1
DOSE PROJECTION WORKSHEET

Accident occurred on _____ at _____.

Wind speed: _____ mph.

Wind direction: _____ (direction FROM which the wind blows)

Source of Wind Data: _____

Time period over which wind information is observed:

_____ to _____

<u>DOWNWIND</u>	<u>DISTANCE</u>	<u>THYROID DOSE</u>	<u>WHOLE BODY DOSE</u>
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Site Boundary

2 Miles

5 Miles

10 Miles

Time period for which the dose projection is applicable:

_____ to _____

Date and time this worksheet was completed:

_____ to _____
Date Time

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20201
MARCH 26, 1981

1.0 Title:

MAINTAINING EMERGENCY PREPAREDNESS - RADIOLOGICAL EMERGENCY PLAN TRAINING

2.0 Approval and List of Effective Pages:

2.1 Approvals:

Change dated 3/26/81 Reviewed by PNSC March 26, 1981
Approved by [Signature] Plant Mgr-Nuclear, March 27, 1981
Approved by [Signature] Vice President
Power Resources March 27, 1981

2.2 List of Effective Pages:

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3.0 Scope:

3.1 Purpose:

This procedure provides requirements for periodic training of individuals, onsite, who may have some response upon initiation of the Turkey Point Plant Radiological Emergency Plan.

3.2 Discussion:

In order to maintain emergency preparedness, personnel working at the Turkey Point Plant must be familiar with certain preplanned actions in the Emergency Plan and its implementing procedures.

Any changes in required actions or response due to revision of the Plan or procedures must be presented to appropriate personnel on a periodic basis.

3.3 Authority:

Turkey Point Plant Radiological Emergency Plan

3.4 Definition:

Throughout this procedure, the terms Emergency Plan and Plan will be used to mean Turkey Point Radiological Emergency Plan.

EMERGENCY PROCEDURE 10101, PAGE 2
MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

4.0 Precautions

- 4.1 This procedure does not cover requirements for periodic training of the FPL Off-Site Emergency Organization.

5.0 Responsibilities:

- 5.1 The Plant Manager - Nuclear has the overall responsibility for Emergency Plan Training.
- 5.2 The Training Supervisor is responsible for ensuring all Emergency Plan Training is conducted in accordance with the references listed herein.
- 5.3 The primary team leader of each emergency team is responsible for the development and implementation of his team's training and retraining program. He may assign competent individuals to assist him in accomplishing this task.
- 5.4 The Operations Superintendent - Nuclear is responsible for the development and implementation of the Emergency Coordinator training and retraining program. He may assign competent individuals to assist him in accomplishing this task.
- 5.5 The Training Supervisor is responsible for development and implementation of Emergency Plan Training of all candidates for reactor operator or senior reactor operator licenses.
- 5.6 The Health Physics Supervisor shall provide for training all individuals requiring unescorted access onsite describing the action to be taken by an individual discovering an emergency condition, the location of assembly areas, the identification of emergency alarms, and the action to be taken on hearing those alarms.

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan
- 6.2 10 CFR 50.47
- 6.3 10 CFR 50 Appendix E
- 6.4 NUREG 0654, Revision 1

7.0 Records and Notifications:

Records documenting the Emergency Plan Training received by individuals are quality assurance records and, therefore, shall be retained in accordance with Administrative Procedure 0190.14, Document Control and Quality Assurance Records.

EMERGENCY PROCEDURE 20201, PAGE 3
MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

8.0 Instructions:

8.1 Emergency Coordinator Training

All Nuclear Plant Supervisors, Nuclear Watch Engineers, Reactor Control Operators (who are holders of Senior Reactor Operator licenses) shall receive training in categories provided in this section, annually:

- 8.1.1 Interpretation of plant and field data and how it relates to emergencies and their classification (i.e. emergency action level determination).
- 8.1.2 Prompt and effective notification methods, including the types of communication system
- 8.1.3 Method of activating the Florida Power and Light Company Emergency Organization.
- 8.1.4 The methods used for estimating radiation doses.

8.2 Other Operational Assistance

Other personnel who may be required during an emergency shall receive training in the following areas on an annual basis:

- 8.2.1 Emergency Plan familiarization.
- 8.2.2 Emergency Plan implementing procedures familiarization.
- 8.2.3 Communications and notification methods.
- 8.2.4 Accident assessment and corrective action.
- 8.2.5 Specific Emergency Team Training (for individuals assigned to emergency teams)

8.3 Shift Technical Advisor

All Shift Technical Advisors shall receive the following annual training:

- 8.3.1 Emergency Plan familiarization.
- 8.3.2 Emergency implementing procedures familiarization.
- 8.3.3 Technical Specifications (in-depth understanding)
- 8.3.4 Specialized training in power plant and reactor specific core operating characteristics (normal and abnormal).
- 8.3.5 Familiarization with other related Plant programs, plans, and procedures with emphasis on accident assessment techniques.

EMERGENCY PROCEDURE 10 201, PAGE 4
MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

8.4 Emergency Teams

- 8.4.1 Emergency Team Leaders shall have successfully completed Group A training in radiation protection conducted by the Health Physics group. Successful completion of this training is acknowledged by the issuance of a "Red Badge" identification card.

All assigned leaders shall participate in an annual training exercise designed to have them and their teams respond to simulated situations. The primary team leader is responsible for scheduling, conducting, and documenting such exercises.

- 8.4.2 Team members shall have successfully completed the Group A courses and hold a "Red Badge" identification card.

- 8.4.3 Specific emergency team training shall be conducted by the assigned team leader or his qualified designee familiarizing team members with their responsibilities described in the Emergency Plan and its implementing procedures, communications and coordination with other emergency teams and the following team-specific topics:

1. Emergency Radiation Team

- (1) Use of air sampling equipment.
- (2) Performance of contamination surveys.
- (3) Determination of air activity.
- (4) Determination of radiation levels.
- (5) Recordkeeping methods.
- (6) In-depth knowledge of personnel and field monitoring/analyzing techniques.
- (7) Responsibilities of the Emergency Radiation Team.

2. Security Team

- (1) Personnel accountability procedures.
- (2) Site ingress and egress control procedures.
- (3) Deployment of Security Personnel.

3. First Aid/Decontamination Team

- (1) Description, storage location, and application of suppliers and equipment.
- (2) Sequential steps for the assessment and treatment of personnel injury and contamination levels.

EMERGENCY PROCEDURE 20201, PAGE 5
MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

- (3) Allowable and advisable radiation environments and exposures.
- (4) Personnel decontamination procedures.
- (5) Procedures for the evacuation of contaminated persons to off-site medical facilities.
- (6) At least three members will satisfactorily complete the American National Red Cross Multi-Media First Aid Course and will requalify every three years.

4. Fire Team

Fire Team training is covered by the Fire Protection Program, Administrative Procedure 15500.

5. Recovery and Restoration and Re-entry Teams

These teams are composed of personnel previously described and as such receive adequate training with respect to the Emergency Plan and its implementing procedures.