

FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT UNITS 3 AND 4  
EMERGENCY PROCEDURE 20101  
AUGUST 20, 1981

1.0 Title:

DUTIES OF EMERGENCY COORDINATOR

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 8/20/81 Reviewed by PNSC AUGUST 20, 1981

Approved by [Signature] Plant Mgr-Nuclear, September 3, 1981

Approved by [Signature] Vice President  
Power Resources 9-4 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	8/20/81	7	8/20/81	13	8/20/81	19	8/20/81
2	8/20/81	8	8/20/81	14	8/20/81	20	8/20/81
3	8/20/81	9	8/20/81	15	8/20/81	21	8/20/81
4	8/20/81	10	8/20/81	16	8/20/81	22	8/20/81
5	8/20/81	11	8/20/81	17	8/20/81		
6	8/20/81	12	8/20/81	18	8/20/81		

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. A member of the plant management staff 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 Radiological Emergency Plan

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 prompt notifications of designated off-site authorities and the FPL Off-Site Emergency Organization.
- 4.2 The Emergency Coordinator may delegate his responsibilities at his discretion with the exception of the decision to notify state and local authorities and the recommendation of protective actions for the public (off-site).

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 may assume the duties of the Emergency Coordinator.

6.0 References

- 6.1 Turkey Point Plant Radiological Emergency Plan
- 6.2 Emergency Procedure 20103, Classification of Emergencies and Criteria for Evacuation
- 6.3 Emergency Procedure 20126, Loss of Coolant Accident Dose Calculations

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 Upon becoming aware of an off-normal condition, the Nuclear Plant Supervisor shall diagnose the condition and direct initial corrective action to control or mitigate the condition.

8/20/81

EMERGENCY PROCEDURE 20101, PAGE 3  
DUTIES OF EMERGENCY COORDINATOR

- 8.2 Then the Nuclear Plant Supervisor shall, using the tables in Emergency Procedure 20103, Classification of Emergencies, classify the condition and thereby determine if the condition constitutes an unusual event, alert, site area emergency, or general emergency. If the condition is an unusual event, alert, site area emergency, or general emergency, the Nuclear Plant Supervisor shall declare an emergency and become the Emergency Coordinator. The State Warning Point at the Bureau of Disaster Preparedness (BDP) shall be notified within fifteen minutes of the emergency declaration.
- 8.3 Then the Emergency Coordinator shall station himself in the Control Room and shall begin following the steps in the applicable attached checklist(s) (unusual event, alert, site area emergency, general emergency, fire or explosion, medical emergency).
- 8.4 The Emergency Coordinator may designate one or more persons to handle the offsite communications and notifications required in the checklists. The Emergency Coordinator shall designate a person to stay on the ENS circuit with the NRC until the NRC gives permission to hang up. The designated individuals may be from the operating shift, from plant staff, or from other available personnel.
- 8.5 The initial notification to BDP shall be made within fifteen minutes of the declaration of the emergency and shall be made by telephone for unusual events and alerts or by NAWAS for site area emergencies or general emergencies. The initial notification shall include items 1 through 6 of the Emergency Information Checklist. The initial notification to Dade and Monroe counties shall be made within fifteen minutes of the declaration of an alert and shall be made by telephone. (Dade and Monroe Counties are notified automatically when NAWAS is used.)
- 8.6 Each of the checklists for an emergency (unusual event, alert, site area emergency, and general emergency) require notifying the Duty call Supervisor. This should be accomplished as follows:

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 . . . .  
V. A. Kaminskas . .

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 personnel on the Duty Call Supervisor's Call List.

EMERGENCY PROCEDURE 20101, PAGE 4  
DUTIES OF EMERGENCY COORDINATOR

- 8.7 As the emergency progresses and additional information becomes available or as the situation changes, information applicable to the Emergency Information Checklist should be relayed by telephone and/or Local Government Radio (LGR) to BDP and Dade County Civil Defense. If the Technical Support Center (TSC) is not staffed the information should be relayed by the Emergency Coordinator (EC) or a designated communicator.
- 8.8 The notification to NRC on the Emergency Notification System (ENS) shall be made within one hour of the declaration of the emergency and should contain, to the extent known, the information applicable to Appendix B of this procedure. Once the notification to the NRC via ENS is made, we are required by 10 CFR 50.72 to maintain an open channel of communication until the NRC grants permission to hang up. The EC shall designate an individual to maintain the open chain of communications as required.
- 8.9 When, during the course of the emergency, the seriousness of the condition changes so that the emergency fits into a different classification than it originally was reported as, the EC shall so notify the Emergency Control Officer (ECO), the BDP, and Dade County Civil Defense by telephone and/or LGR. The notifications may be made by the TSC Supervisor or a designated communicator under the direction of the EC. When the condition is reclassified, the EC shall switch to the appropriate part of the checklist for the new classification.

NOTE: This includes the case where a condition changes so that it no longer fits the classification of any emergency. In other words, when the condition is no longer an emergency, the ECO, the BDP and Dade County Civil Defense shall be so notified.



UNUSUAL EVENT CHECKLIST

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

- \_\_\_\_\_ 1. Direct initial corrective action to mitigate the problem.  
\_\_\_\_\_ Fire/Explosion - see attached Fire/Explosion Checklist and  
Emergency Procedure 20107  
\_\_\_\_\_ Medical - see attached Medical Emergency Checklist
- \_\_\_\_\_ 2. Direct Nuclear Watch Engineer to mobilize interim Emergency Teams to respond if necessary.
- \_\_\_\_\_ 3. Complete at least the first six items on the attached Emergency Information Checklist.
- \_\_\_\_\_ 4. 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. Alternate - see Paragraph 8.6 of this procedure.
- \_\_\_\_\_ 5. Within fifteen minutes of declaration of emergency, notify, by telephone, the State Warning Point at the Bureau of Disaster Preparedness in Tallahassee, \_\_\_\_\_ and communicate Emergency Information Checklist data. An alternate number is \_\_\_\_\_
- \_\_\_\_\_ 6. Within one hour notify NRC via ENS hot-line. Alternate numbers are \_\_\_\_\_ and \_\_\_\_\_. Use the attached Appendix B to make the notification. Do not hang up until the NRC gives permission.
- \_\_\_\_\_ 7. Reassess the Emergency Classification and update the Emergency Information Checklist.
- \_\_\_\_\_ 8. When the plant conditions no longer meet the definition of an unusual event or any other emergency condition, so notify the ECO and BDP by telephone.

EMERGENCY PROCEDURE 20101, PAGE 6  
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 at least the first six items on the attached Emergency Information Checklist.
- \_\_\_\_\_ 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. Alternate - see paragraph 8.6 of this procedure.
- \_\_\_\_\_ 6. Within fifteen minutes of declaration of emergency notify, by telephone, the State Warning Point at the Bureau of Disaster Preparedness in Tallahassee, \_\_\_\_\_, and communicate Emergency Information Checklist data. An alternate number is \_\_\_\_\_.
- \_\_\_\_\_ 7. Notify, by telephone, the Dade County Civil Defense Office in Miami, \_\_\_\_\_, or \_\_\_\_\_, and communicate Emergency Information Checklist data. Off hours, call \_\_\_\_\_ or \_\_\_\_\_.
- \_\_\_\_\_ 8. Notify, by telephone, the Monroe County Disaster Preparedness office in Key West, \_\_\_\_\_, and communicate Emergency Information Checklist data. Off hours, call \_\_\_\_\_.
- \_\_\_\_\_ 9. If local evacuation was conducted, verify from Security Team Leader that all personnel are accounted for.

8/20/81

EMERGENCY PROCEDURE 20101, PAGE 7  
DUTIES OF EMERGENCY COORDINATOR

ALERT CHECKLIST (Page 2 of 2)

- \_\_\_\_\_ 10. Direct Shift Technical Advisor to activate the Technical Support Center.
- \_\_\_\_\_ 11. Activate the Operational Support Center.
- \_\_\_\_\_ 12. Within one hour notify NRC via ENS hot-line. Alternate numbers are \_\_\_\_\_ and \_\_\_\_\_. Use the attached Appendix B to make the notification. Do not hang up until the NRC gives permission.
- \_\_\_\_\_ 13. Brief the Technical Support Center Supervisor (normally Technical Department Supervisor) on events. Direct him to provide State and County with periodic updates.
- \_\_\_\_\_ 14. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- \_\_\_\_\_ 15. Reassess the Emergency Classification and update the Emergency Information Checklist with Technical Support Center Supervisor.
- \_\_\_\_\_ 16. Relinquish control and communication responsibilities to the Emergency Control Officer if he activates the Off-Site Organization.
- \_\_\_\_\_ 17. When the plant conditions no longer meet the definition of an alert or any other emergency condition, so notify the ECO and BDP by telephone. This notification may be made by the TSC, at the EC's discretion.

8/20/81

EMERGENCY PROCEDURE 20101, PAGE 8  
DUTIES OF EMERGENCY COORDINATOR

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 corrective action per Emergency Operating Procedures.

\_\_\_\_\_ 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), giving location, 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 at least the first six items on the attached Emergency Information Checklist.

- \_\_\_\_\_ 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 - see paragraph 8.6 of this procedure.

- \_\_\_\_\_ 9. Within fifteen minutes of declaration of emergency make NAWAS Announcement:

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

"State Warning Point Tallahassee, this is Turkey Point, 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."

(If NAWAS is inoperable call BDP at

or

)

EMERGENCY PROCEDURE 20101, PAGE 9  
DUTIES OF EMERGENCY COORDINATOR

SITE AREA EMERGENCY CHECKLIST (Page 2 of 2)

- \_\_\_\_\_ 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. If site evacuation was necessary, verify that each operator on shift is uninjured and relay the operator's names and keycard numbers to Security Team Leader.
- \_\_\_\_\_ 13. Notify HAFB Command Post (using the direct line or \_\_\_\_\_) or \_\_\_\_\_ if their services are required.
- \_\_\_\_\_ 14. If site evacuation was necessary, verify from Security Team Leader that Owner Controlled Area Evacuation is complete and that all personnel are accounted for.
- \_\_\_\_\_ 15. Direct Shift Technical Advisor to activate the Technical Support Center.
- \_\_\_\_\_ 16. Within one hour notify NRC via ENS hot-line. Alternate numbers are \_\_\_\_\_ and \_\_\_\_\_. Use the attached Appendix B to make the notification. Do not hang up until NRC gives permission.
- \_\_\_\_\_ 17. 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).
- \_\_\_\_\_ 18. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- \_\_\_\_\_ 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.
- \_\_\_\_\_ 21. When the plant conditions no longer meet the definition of Site Area Emergency, so notify the TSC Supervisor so that he can notify the ECO, who will notify BDP.



8/20/81

EMERGENCY PROCEDURE 20101, PAGE 10  
DUTIES OF EMERGENCY COORDINATOR

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. Within fifteen minutes of declaration of emergency make NAWAS Announcement:

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

"State Warning Point Tallahassee, this is Turkey Point, 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."

(If NAWAS is inoperable, call BDP at \_\_\_\_\_ or \_\_\_\_\_.)

- \_\_\_\_\_ 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.)

8/20/81

GENERAL EMERGENCY CHECKLIST (Page 2 of 3)

- \_\_\_\_\_ 10. Complete Emergency Information Checklist including off-site dose projections using Emergency Procedure 20126, Radiation Release and Dose Projection.
- \_\_\_\_\_ 11. Make NAWAS Announcement:
- "State Warning Point Tallahassee, this is Turkey Point."  
(State Warning Point will give a go-ahead).
- "State Warning Point Tallahassee, this is Turkey Point, 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: see Section 8.6 of this procedure.
- \_\_\_\_\_ 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.

8/20/81

EMERGENCY PROCEDURE 20101, PAGE 12  
DUTIES OF EMERGENCY COORDINATOR

GENERAL EMERGENCY CHECKLIST (Page 3 of 3)

- \_\_\_\_\_ 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, \_\_\_\_\_ or \_\_\_\_\_.
- \_\_\_\_\_ 17. Verify from Security Team Leader that Owner Controlled Area Evacuation is complete and that all personnel are accounted for.
- \_\_\_\_\_ 18. Order Shift Technical Advisor to activate the Technical Support Center.
- \_\_\_\_\_ 19. Within one hour notify NRC via ENS hot-line. Alternate numbers are \_\_\_\_\_ and \_\_\_\_\_. Use the attached Appendix B to make the notification. Do not hang up until NRC gives permission.
- \_\_\_\_\_ 20. 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.)
- \_\_\_\_\_ 21. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- \_\_\_\_\_ 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.
- \_\_\_\_\_ 24. When the plant conditions no longer meet the definition of General Emergency, so notify the TSC Supervisor so that he can notify the ECO, who will notify BDP.

8/20/81

EMERGENCY PROCEDURE 20101, PAGE 13  
DUTIES OF EMERGENCY COORDINATOR

EMERGENCY INFORMATION CHECKLIST

1. Name of caller, "Turkey Point Plant, Dade County, \_\_\_\_\_"
2. "Location - Turkey Point Plant, Unit No. \_\_\_\_\_"
3. "Class of emergency - (unusual event, alert, site area emergency, or general emergency)"
4. "Date/time of incident - \_\_\_\_\_"
5. "Brief description of the incident - \_\_\_\_\_"
6. Whether or not a release is occurring - "A release of radioactive material is/is not occurring."

Note: The above information will be available at time of notification to BDP and must be given. The following information may not be available but should be provided to the extent possible.

7. Estimated quantity of radioactive material released or being released, and height of release. \_\_\_\_\_
8. Chemical and physical form of released material. \_\_\_\_\_
9. Prevailing weather (as applicable):
  - a) Wind velocity \_\_\_\_\_
  - b) Wind direction \_\_\_\_\_
  - c) Atmospheric stability \_\_\_\_\_
10. Personnel status:
  - a) Killed \_\_\_\_\_
  - b) Injured (Hospitalized) \_\_\_\_\_
  - c) Injured (Not hospitalized) \_\_\_\_\_
11. Estimate of projected dose at site boundary \_\_\_\_\_
12. Estimate of projected dose range \_\_\_\_\_
13. Estimate of contamination (offsite) \_\_\_\_\_
14. Recommended offsite protective measures \_\_\_\_\_ (see next page) \_\_\_\_\_

EMERGENCY PROCEDURE 20101, PAGE 14  
DUTIES OF EMERGENCY COORDINATOR

PROTECTIVE ACTION RECOMMENDATIONS

FPL is required to provide BDP with recommendations for protective actions to be taken by offsite personnel during an emergency condition. Until the EOF is staffed and functional following declaration of the emergency, the EC is responsible for providing the state with these recommendations. Due to the extremely large political and legal ramifications of these recommendations and their very large potential impact on FPL, the format and content will be strictly as described below.

The contents of the recommendations are to be determined by using Table 1 of this procedure as follows:

1. If the emergency has been classified as an unusual event, alert, or site area emergency and either there is no information available regarding offsite doses or the offsite doses are less than 0.5 rem whole body or 5 rem to the thyroid, no protective action is recommended. This should be reported to BDP and other outside agencies who inquire as:

"Based on our current assessment of all the information now available to us, Florida Power and Light Company recommends that you consider taking the following protective actions - none. This recommendation may change in the future, but we can not now say when it may change or what it may change to."

2. If the emergency has been classified as an unusual event, alert, or site area emergency and offsite dose information is available (from any credible source), use the dose information to enter the bottom of the table, and make the recommendation accordingly. For example, if dose calculations from actual release rates show offsite whole body dose of 1.5 rem, the following should be recommended:

"Based on our current assessment of all the information now available to us, Florida Power and Light Company recommends that you consider taking the following protective actions:

- 1) Evacuate all personnel within a two mile radius of the plant,
- 2) Shelter all personnel between two and five miles from the plant, and
- 3) Shelter all personnel between five and ten miles from the plant who are within a 45° sector either side of the direction of the wind, which is now from \_\_\_\_\_ ° True.

This recommendation may change in the future, but we can not now say when it may change or what it may change to."

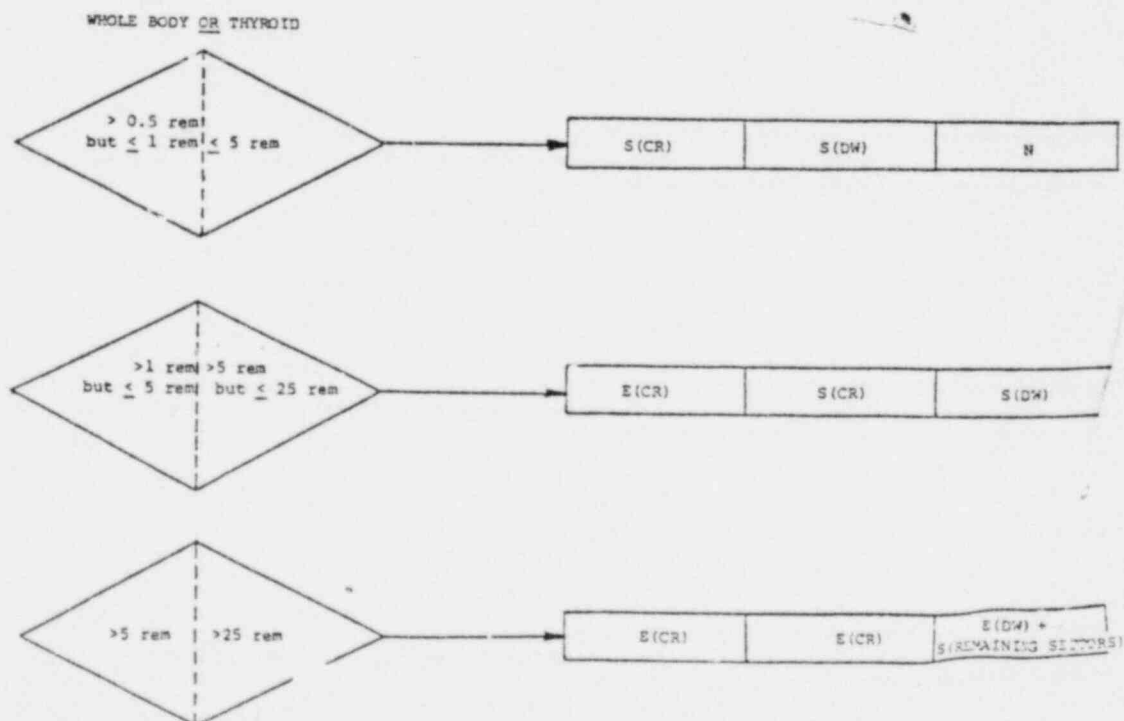
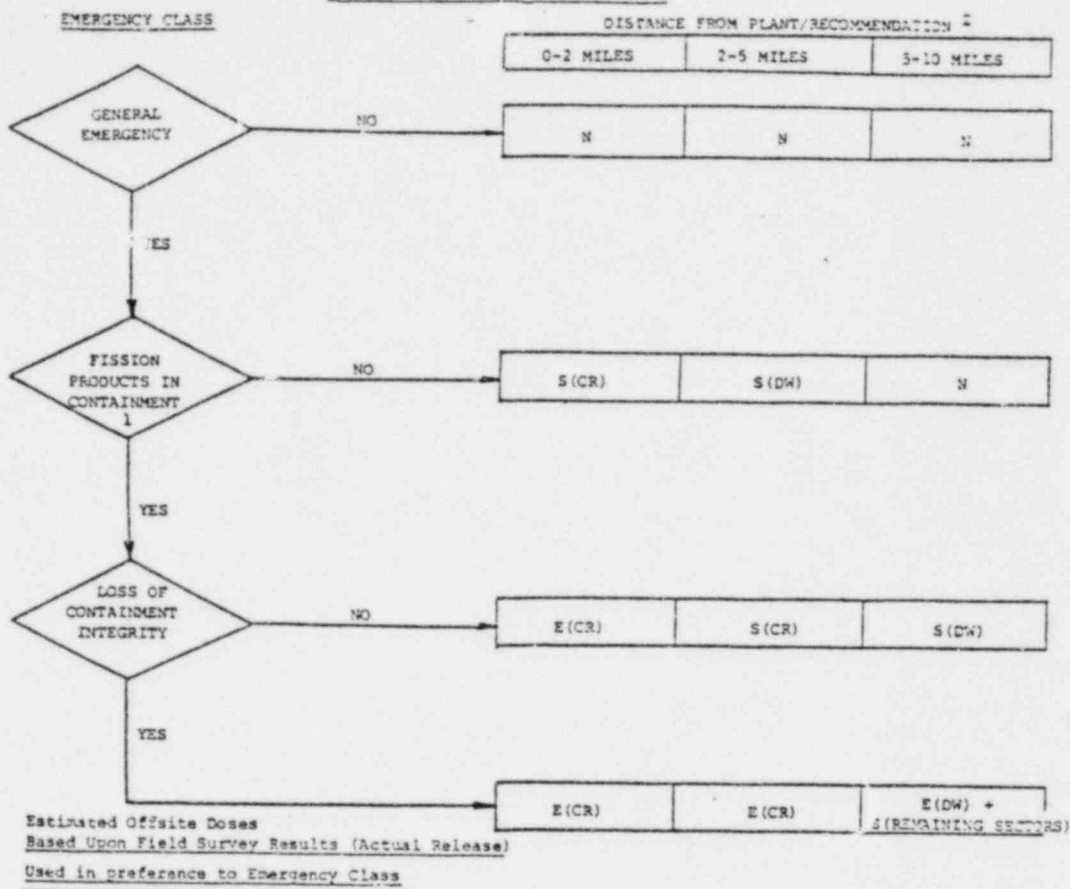
3. For other emergency conditions which may occur, enter the table for those conditions, determine the recommended protective actions and formulate the appropriate message in the above format and transmit it to BDP.



# EMERGENCY PROCEDURE 20101, PAGE 15 DUTIES OF EMERGENCY COORDINATOR

8/20/81

Table 1  
PROTECTIVE ACTION RECOMMENDATIONS



1 - FISSION PRODUCTS IN CONTAINMENT

If radiation survey outside containment  
wall yields ≥ 1 R/hr then follow "yes logic"

2 - LEGEND OF ABBREVIATIONS

N - No protective action recommended  
S - Sheltering recommended  
E - Evacuation recommended  
DW - Downwind, 90° sector  
CR - Complete circle around plant at  
specified distance

8/20/81

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 -
- HAFB (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 17  
DUTIES OF EMERGENCY COORDINATOR

8/20/81

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  
HOMESTEAD AIR FORCE BASE  
(if contaminated)  
PHONE: \_\_\_\_\_  
3 and 4 Emer. Phone (red)
  - b) Medical treatment for serious injury:  
RANDLE EASTERN AMBULANCE  
PHONE: \_\_\_\_\_  
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 A - "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 Roster  
Site Manager and/or the Administrative Assistant will handle off-site notifications.

APPENDIX A

REEF NOTIFICATION

In the event of a radiation emergency which requires the transportation of casualties to REEF, 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 \_\_\_\_\_.

APPENDIX B

CHECKLIST FOR NOTIFICATION OF SIGNIFICANT  
EVENTS MADE IN ACCORDANCE WITH 10 CFR 50.72

A. Identification:

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Name of Person Making Report: \_\_\_\_\_

ENS or Bell Phone: \_\_\_\_\_ Name of Person Contacted: \_\_\_\_\_

License: Florida Power and Light Co. Facility Affected: Turkey Point Unit

Applicable Part of 10 CFR 50.72: \_\_\_\_\_ Activation of Emergency Plans \_\_\_\_\_

B. Description:

Date of Event: \_\_\_\_\_ Time: \_\_\_\_\_

Trip Number: \_\_\_\_\_

Description of What Happened: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C. Consequences of Event: (Complete depending on type of event)

Injuries: \_\_\_\_\_ Fatalities: \_\_\_\_\_

Contamination (personnel): \_\_\_\_\_ (property): \_\_\_\_\_

Overexposures (known/possible) \_\_\_\_\_

Safety Hazard (describe - actual/potential) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



APPENDIX B (cont'd)

CHECKLIST FOR NOTIFICATION OF SIGNIFICANT  
EVENTS MADE IN ACCORDANCE WITH 10 CFR 50.72

C. Consequences of Event: (Complete depending on type of event) (cont'd)

Offsite Radiation Levels: \_\_\_\_\_

Integrated Dose: \_\_\_\_\_ Location: \_\_\_\_\_

Meteorology (wind speed): \_\_\_\_\_ From (direction): \_\_\_\_\_

Weather Conditions (rain, clear, overcast, temperature): \_\_\_\_\_

Equipment/Property Damage: \_\_\_\_\_

D. Cause of Event: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

E. Licensee Actions:

Taken: \_\_\_\_\_

Planned: \_\_\_\_\_

Emergency Plan Activated (Yes/No): \_\_\_\_\_ Classification of Emergency<sup>1</sup> \_\_\_\_\_

Resident Inspector Notified (Yes/No): \_\_\_\_\_ State Notified (Yes/No): \_\_\_\_\_

Press Release Planned (Yes/No): \_\_\_\_\_ News Media Interest (Yes/No): \_\_\_\_\_

Local/National: \_\_\_\_\_

TO BE COMPLETED BY PLANT MANAGER - NUCLEAR (or his designee)

<sup>1</sup>Unusual Event, Alert, Site Area Emergency, or General Emergency

APPENDIX B (cont'd)

CHECKLIST FOR NOTIFICATION OF SIGNIFICANT  
EVENTS MADE IN ACCORDANCE WITH 10 CFR 50.72

F. Current Status: (Complete depending on type of event)

1. Reactor Systems Status: \_\_\_\_\_

Power Level Before Event: \_\_\_\_\_ After Event: \_\_\_\_\_

Pressure: \_\_\_\_\_ Temp. ( $t_{hot}$ ) \_\_\_\_\_ ( $t_{cold}$ ) \_\_\_\_\_

RCS Flow (Yes/No) \_\_\_\_\_ Pumps On (Yes/No) \_\_\_\_\_

Heat Sink: Condenser \_\_\_\_\_ Steam Atm. Dump \_\_\_\_\_ Other \_\_\_\_\_

Sample Taken (Yes/No): \_\_\_\_\_ Activity Level: \_\_\_\_\_

ECCS Operating (Yes/No): \_\_\_\_\_ ECCS Operable (Yes/No): \_\_\_\_\_

ESF Actuation (Yes/No): \_\_\_\_\_

PRZ or RX Level: \_\_\_\_\_ Possible Fuel Damage (Yes/No) \_\_\_\_\_

S/G Levels: \_\_\_\_\_ Feedwater Source/Flow: \_\_\_\_\_

Containment Pressure: \_\_\_\_\_ Safety Relief Valve Actuation (Yes/No) \_\_\_\_\_

Containment Water Level Indication: \_\_\_\_\_

Equipment Failures: \_\_\_\_\_

Normal Offsite Power Available (Yes/No): \_\_\_\_\_

Major Busses/Loads Lost: \_\_\_\_\_

Safeguards Busses Power Source: \_\_\_\_\_

D/G Running (Yes/No) \_\_\_\_\_ Loaded (Yes/No) \_\_\_\_\_

2. Radioactivity Release:

Liquid/Gas \_\_\_\_\_ Location/Source: \_\_\_\_\_

Release Rate \_\_\_\_\_ Duration: \_\_\_\_\_

Stopped (Yes/No) \_\_\_\_\_ Release Monitored (Yes/No) \_\_\_\_\_

Amount of Release \_\_\_\_\_ Tech Spec. Limits \_\_\_\_\_

Radiation Levels in Plant \_\_\_\_\_ Areas Evacuated \_\_\_\_\_

APPENDIX B (cont'd)

CHECKLIST FOR NOTIFICATION OF SIGNIFICANT  
EVENTS MADE IN ACCORDANCE WITH 10 CFR 50.72

3. Security/Safeguards<sup>2</sup>

Bomb Threat: Search Conducted (Yes/No)\_\_\_\_\_ Search Results:\_\_\_\_\_

Site Evacuated (Yes/No)\_\_\_\_\_

Intrusion: Insider\_\_\_\_\_ Outsider\_\_\_\_\_

Point of Intrusion\_\_\_\_\_ Extent of Intrusion\_\_\_\_\_

Apparent Purpose\_\_\_\_\_

Strike/Demonstration: Size of Group\_\_\_\_\_

Purpose\_\_\_\_\_

Sabotage: Radiological (Yes/No)\_\_\_\_\_ Arson (Yes/No)\_\_\_\_\_

Equipment/Property\_\_\_\_\_

Extortion: Source (phone, letter, etc.)\_\_\_\_\_

Location of Letter\_\_\_\_\_

Demands\_\_\_\_\_

General: Firearms involved (Yes/No)\_\_\_\_\_ Violence (Yes/No)\_\_\_\_\_

Control of Facility Compromised or Threatened (Yes/No)\_\_\_\_\_

Stolen/Missing Material\_\_\_\_\_

Agencies Notified (FBI, State Police, Local Police, etc.)\_\_\_\_\_

Media Interest (present, anticipated)\_\_\_\_\_

TO BE COMPLETED BY PLANT MANAGER - NUCLEAR (or designee)

4. Other Comments:\_\_\_\_\_

<sup>2</sup>See 10 CFR 73.71 (c)

FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT UNITS 3 AND 4  
EMERGENCY PROCEDURE 20102  
AUGUST 14, 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 8/14/81 Reviewed by PNSC August 14, 1981

Approved by J. K. Hayes Plant Mgr-Nuclear, September 3, 1981

Approved by C. J. Woolley for A.D.S. Vice President  
Power Resources 9-4 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	8/14/81	2	8/14/81	3	8/14/81

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 Emergency:

Any off-normal event or condition which significantly increases the risk of harm to the health and safety of the public and/or site personnel. A radiological emergency at the Plant is classified as an Unusual Event, an Alert, A Site Area Emergency, or a General Emergency.

These events or conditions 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 emergency conditions 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 AN EMERGENCY CONDITION

3.3 Authority:

This procedure implements the Turkey Point Plant Radiological 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 Radiological 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:

NOTE: Depending on the type and severity of the emergency condition, and using good judgment, steps 8.1 and 8.2 may be interchanged.

8.1 Stop the condition, if possible, assist injured personnel. Specifically, 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.



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

- 8.2 Warn other personnel in the affected area to withdraw to a safe area. 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 Isolate the area, if possible (by Closing doors or roping off an area, for example).
- 8.4 Move to a safe area
- 8.5 Stay in the safe area if possibility of radioactive contamination exists, remain in a safe area until monitored or directed otherwise by the Nuclear Plant Supervisor.
- 8.6 Follow instructions issued by the Nuclear Plant Supervisor (Emergency Coordinator)

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

1.0 Title:

EMERGENCY ROSTER

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 9/3/81 Reviewed by PNSC SEPTEMBER 3, 1981

Approved by *J. K. Hays* Plant Mgr.-Nuc September 4, 1981

Approved by *C. W. Woody Jr* Vice President  
Power Resources 9-4 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	9/3/81	4	9/3/81	7	9/3/81
2	9/3/81	5	9/3/81	8	9/3/81
3	9/3/81	6	9/3/81	9	9/3/81

3.0 Scope:

3.1 Purpose:

This procedure provides the phone numbers of personnel involved with emergency response to be called by the Duty Call Supervisor and the Security Team Leader.

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.

EMERGENCY PROCEDURE 20104, PAGE 2  
EMERGENCY ROSTER

6.0 References:

Turkey Point Plant Radiological Emergency Plan

7.0 Records and Notifications:

None

8.0 Instructions:

8.1 Every plant condition which requires initiation of the Emergency Plan will be classified as an Unusual Event, Alert, Site Area Emergency, or General Emergency by the Emergency Coordinator, who will so inform the Duty Call Supervisor. The Duty Call Supervisor shall follow the instructions below on who needs to be notified by him for each of the four categories. A list of the actual alternates and telephone numbers is attached in Appendix A.

8.2 Unusual Event

8.2.1 For all Unusual Events, the Duty Call Supervisor shall notify the following or their alternates:

Emergency Control Officer (A. D. Schmidt)  
Site Manager (H. E. Yaeger)  
Plant Manager - Nuclear (J. K. Hays)  
NRC Resident Inspector (R. Vogt-Lowell)

8.2.2 For Unusual Events, the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition.

8.2.3 In addition, when the Unusual Event is a hurricane warning, the Duty Call Supervisor should call the following or their alternates, unless they have already been notified or are already on site.

Security Supervisor (R. E. Garrett)  
Operations Superintendent-Nuclear (J. E. Moore)  
Maintenance Superintendent-Nuclear (J. P. Mendieta)  
Technical Supervisor (D. W. Haase)  
I and C Supervisor (J. P. Lowman)  
Land Management Site Manager (E. F. Baker)

8.2.4 In addition, when the Unusual Event involves initiation of the Security Contingency Plan, the Duty Call Supervisor shall notify the Security Supervisor or his alternate unless he has already been notified or is already on site.

8.3 Alert

8.3.1 For all Alerts, the Duty Call Supervisor shall notify the following or their alternates:

EMERGENCY PROCEDURE 20104, PAGE 3  
EMERGENCY ROSTER

Emergency Control Officer (A. D. Schmidt)  
Site Manager (H. E. Yaeger)  
Plant Manager - Nuclear (J. K. Hays)  
Outage Coordinator (D. C. Bradford) (Communicator)  
NRC Resident Inspector (R. Vogt-Lowell)

- 8.3.2 For any Alert involving release of radioactivity to the environment, the Duty Call Supervisor shall notify the following or their alternates unless they have already been notified or are on site:

Health Physics Supervisor (P. W. Hughes) (Radiation Team Leader)  
Chemistry Supervisor (J. S. Wade)

- 8.3.3 For any Alert, the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition.

8.4 Site Area Emergency

- 8.4.1 For all site area emergencies, the Duty Call Supervisor shall notify the following or their alternates:

Emergency Control Officer (A. D. Schmidt)  
Site Manager (H. E. Yaeger)  
Plant Manager - Nuclear (J. K. Hays)  
Outage Coordinator (D. C. Bradford) (Communicator)  
NRC Resident Inspector (R. Vogt-Lowell)  
Technical Dept. Supv. (D. W. Haase) (Technical Support Center Supv)

- 8.4.2 For any Site Area Emergency involving release of radioactivity to the environment, the Duty Call Supervisor shall notify the following or their alternates unless they have already been notified or are on site:

Health Physics Supervisor (P. W. Hughes) (Radiation Team Leader)  
Chemistry Supervisor (J. S. Wade)

- 8.4.3 For any Site Area Emergency which might require site evacuation, the Duty call Supervisor shall notify the following or their alternates unless they have already been notified or are on site:

Reactor Engineering Supv. (V. A. Kaminskis) (Assembly Area Supv)  
Security Supervisor (R. E. Garrett) (Security Team Leader)

- 8.4.4 For any Site Area Emergency the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition.

EMERGENCY PROCEDURE 20104, PAGE 4  
EMERGENCY ROSTER

8.5 General Emergency

- 8.5.1 For all general emergencies, the Duty Call Supervisor shall notify the following or their alternates:

Emergency Control Officer (A. D. Schmidt)  
Site Manager (H. E. Yaeger)  
Plant Manager - Nuclear (J. K. Hays)  
Outage Coordinator (D. C. Bradford) (Communicator)  
NRC Resident Inspector (R. Vogt-Lowell)  
Health Physics Supervisor (P. W. Hughes) (Radiation Team Leader)  
Chemistry Supervisor (J. S. Wade)  
Reactor Engineering Supv. (V. A. Kaminskis) (Assembly Area Supv)  
Security Supervisor (R. E. Garrett) (Security Team Leader)  
Technical Dept. Supv. (D. W. Haase) (Technical Support Center Supv)

- 8.5.2 For any General Emergency the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition.

- 8.6 Appendix B is the Security Team Leader's Call List of personnel who shall be notified during an emergency.
- 8.7 Appendix C contains miscellaneous phone numbers that may be needed during an emergency.

EMERGENCY PROCEDURE 20104, PAGE 5  
EMERGENCY ROSTER

9/3/81

APPENDIX A

DUTY CALL SUPERVISOR'S CALL LIST

~~EXEMPT FROM DISCLOSURE~~  
~~16 CFR 2.700 INFORMATION~~

TITLE	NAME	PHONE/BEEPER	
		HOME	OFFICE
Emergency Control Officer	A. D. Schmidt		(Emer.)
	J. R. Bensen		/Bpr
	C. O. Woody		/Bpr
Radiological Duty Officers	K. N. Harris	Weekdays	/Bpr
	H. N. Paduano	-Weekends	/Bpr
	R. J. Acosta		/Bpr
	D. K. James		/Bpr

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

NAME/TITLE	TELEPHONE
H. E. Yaeger	
J. K. Hays	
J. E. Moore	
J. P. Mendieta	
W. R. Williams, First Alternate	
J. P. Lowman, Second Alternate	
L. L. Thomas, Third Alternate	
B. C. Kilpatrick, Fourth Alternate	
E. F. Baker	Beeper

~~EXEMPT FROM DISCLOSURE~~  
~~16 CFR 2.700 INFORMATION~~




9/3/81

EMERGENCY PROCEDURE 20104, PAGE 6  
EMERGENCY ROSTER

APPENDIX A

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

NAME/TITLE	TELEPHONE
P. W. Hughes J. Bates      First Alternate T. S. Peck      Second Alternate R. M. Brown      Third Alternate	
J. S. Wade E. R. LaPierre      First Alternate R. A. Leineke      Second Alternate R. E. Lindstrom      Third Alternate	
V. A. Kaminskas R. G. Mende      First Alternate M. J. Allman      Second Alternate	
R. E. Garrett D. T. Hunt      First Alternate R. G. Esposito      Second Alternate	
D. W. Haase J.A. Labarraque      First Alternate D. D. Grandage      Second Alternate	
D. C. Bradford G. T. Zamry      First Alternate J. J. Sullivan      Second Alternate	
R. Voyt-Lowell W. Marsh      First Alternate	

~~EXEMPT FROM DISCLOSURE~~  
~~10 CFR 2.753 INFORMATION~~

~~EXEMPT FROM DISCLOSURE~~  
~~10 CFR 2.753 INFORMATION~~

EMERGENCY PROCEDURE 20104, PAGE 7  
EMERGENCY ROSTER

9/3/81

APPENDIX A

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

~~EXEMPT FROM DISCLOSURE  
10 CFR 2.700 INFORMATION~~

TITLE	NAME	PHONE/BEEPER
		HOME
ADDITIONAL PLANT PERSONNEL WHO IT MAY BE APPROPRIATE TO CONTACT		
Q. C. Supervisor	D. W. Jones	
Nuc. Operations Supv.	V. B. Wager -	
Training Supervisor	K. E. Beatty	
Plant Manager - Fossil	T. D. Burkett	
Oper. Supt. - Fossil	C. L. Yates	
<u>Plant Supervisor - Fossil Results</u>	R. C. Kosel	
Maint. Supt. - Fossil	E. D. Whittenton	
<u>Plant Supervisor I - Fossil Operations</u>	J. H. Norman	
Nuclear Plant Supv.	J. E. Crockford	
Nuclear Plant Supv.	G. G. Jones	
Nuclear Plant Supv.	L. C. Huenniger	
Nuclear Plant Supv.	C. A. Coker	
Nuclear Plant Supv.	T. A. Finn	
Nuclear Plant Supv.	J. L. Whitehead	
Plant Engineer II	W. C. Miller	
Quality Assurance - Turkey Point Plant	S. M. Feith	
Plant Construction	G. R. Gram	

~~EXEMPT FROM DISCLOSURE  
10 CFR 2.700 INFORMATION~~

9/3/81

EMERGENCY PROCEDURE 20104, PAGE 8  
EMERGENCY ROSTER

APPENDIX B

SECURITY TEAM LEADER'S CALL LIST

~~EXEMPT FROM DISCLOSURE~~  
~~10 CFR 2.100 INFORMATION~~

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 -  Site Manager	E. F. Baker		or or
<u>Alternates:</u>	Wallace Abel  Glenn Williams		

~~EXEMPT FROM DISCLOSURE~~  
~~10 CFR 2.100 INFORMATION~~

9/3/81

EMERGENCY PROCEDURE 20104, PAGE 9  
EMERGENCY ROSTER

APPENDIX C

ADDITIONAL USEFUL NUMBERS

~~EXEMPT FROM DISCLOSURE  
10 CFR 2.200 INFORMATION~~

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	Ext. [ ] or Ext. [ ] (Off Hours) (Emergency)
On Site Emergency Control Station	Turkey Point Main Entrance Station	Ext. [ ] (Off Hours)
Operational Support Center	South Assembly Room Administration Building	PAX
	St. Lucie Plant Unit 1	[ ] or [ ] Miami
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	Ext. [ ]
Emergency Operations Facility	General Office Power Resources Management Section	[ ]

~~EXEMPT FROM DISCLOSURE  
10 CFR 2.200 INFORMATION~~

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

1.0 Title:

OFF-SITE DOSE CALCULATIONS

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change Dated 9/3/81 Reviewed by PNSC September 3, 1981

Approved by JK Hayes Plant Mgr-Nuclear, September 4, 1981

Approved by C. O. [Signature] Vice President  
Power Resources 9-4 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	9/3/81	5	9/3/81	9	9/3/81	13	9/3/81
2	9/3/81	6	9/3/81	10	9/3/81	14	9/3/81
3	9/3/81	7	9/3/81	11	9/3/81		
4	9/3/81	8	9/3/81	12	9/3/81		

3.0 Scope:

3.1 Purpose:

This procedure provided guidelines for calculating thyroid and whole body dose rates and integrated whole body and thyroid dose for the area surrounding the plant out to ten miles.

3.2 Discussion:

During any emergency involving release of radioactivity to the environment, the Emergency Plan requires that radiation dose rates and integrated doses to offsite areas within ten miles be calculated. This information will be used in making protective action recommendations and will be an input to the State of Florida Bureau of Disaster Preparedness in determining what offsite protective actions should be taken. When the Technical Support Center or the Emergency Operations Facility are operational, the function of dose calculation will be shifted to one of these locations.

NOTE: Due to the unavailability of conversion factors, this procedure does not yet allow calculation of thyroid doses. When these factors are available, the procedure will be revised to provide for calculation of thyroid doses.

3.3 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plan.

EMERGENCY PROCEDURE 20126, PAGE 2  
OFF-SITE DOSE CALCULATIONS

4.0 Precautions:

None

5.0 Responsibilities:

5.1 The Emergency Coordinator is responsible for directing that thyroid and whole body dose rates and integrated thyroid and whole body doses are calculated following an emergency which involves a release of radioactivity to the environment.

5.2 A Chemistry Department representative may be designated by the Emergency Coordinator to make these calculations in accordance with this procedure.

6.0 References:

6.1 Turkey Point Plant Radiological Emergency Plan.

7.0 Records and Notification:

Records of meteorological conditions used to calculate dose rates, the calculated thyroid and whole body dose rates and the integrated thyroid and whole body doses shall be kept on the attached worksheets.

8.0 Instructions:

8.1 Upon initiation of an event which has resulted or could result in release of radioactive material, thyroid and whole body dose rates in areas surrounding the plant shall be calculated as follows:

NOTE: Unless otherwise noted, all data is to be recorded on Table 1, "Dose Projection Worksheet".

8.1.1 Record the wind speed, wind direction, and atmospheric temperatures from the meteorological instruments onto the worksheet. Calculate  $\Delta T$  as indicated on the worksheet.

NOTE: If a  $\Delta T$  value or a wind speed value is not available, then default estimates of stability and wind speed shall be used. These shall be conservative estimates and should be clearly identified as default values.

8.1.2 Determine noble gas monitor readings for the plant vent process monitor (R-14) and the NMC monitor. If area radiation monitor No. 19 (Unit 3 SFP Vent) is not alarming, it is not necessary to determine the Unit 3 SFP vent NMC noble gas reading. Record the readings in column A of Table 1.

8.1.3 To calculate noble gas release rate (Ci/sec), multiply the noble gas monitor readings by the calibration factor in column B of Table 1. Record the result in column C of Table 1.

NOTE 1: The plant vent NMC noble gas monitor should only be used if the R-14 plant vent monitor is off scale.



EMERGENCY PROCEDURE 20126, PAGE 3  
OFF-SITE DOSE CALCULATIONS

NOTE 2: If monitors are inoperable, a default value for release rate shall be used. The default values shall be selected from Table 4. If a default value is used record this fact by writing "Default Value" after the entry in Table 1.

- 8.1.4 Calculate the sum total for column C, and record the result in column E of Table 1. Record the same sum total value for 1, 2, 5, and 10 miles.

NOTE: If the release is occurring from only one source (either plant vent or No. 3 SFP Vent) the sum total for column C will equal the result obtained in Step 8.1.3.

- 8.1.5 Using Table 3 and the meteorological data obtained in Step 8.1.1, determine the atmospheric stability classification (Pasquill Category). The  $\Delta T$  or temperature change with height is determined by subtracting the temperature at 32 feet from the temperature at 232 ft.

- 8.1.6 Refer to Tables 5 through 11 and select the whole body dose table which corresponds to the stability class determined in Step 8.1.5. Match the wind speed data (Step 8.1.1) to a wind speed range in the left hand column of the table. Transfer the values in the 1, 2, 5, and 10 mile positions in the selected row into the appropriate distance positions of column F of Table 1.

- 8.1.7 For each distance, 1, 2, 5, and 10 miles, determine the whole body dose rate by multiplying the corresponding value from column E times the value in column F of Table 1. Record the results in column G.

- 8.1.8 Record in Table 1, the downwind direction as one of the 16 principal compass directions (e.g. N, NNW, etc.). Take care to assure that the dose rate is recorded for the downwind sector because meteorological wind data is given from the upwind direction. In order to account for uncertainty in wind direction measurement and spatial variation in wind direction, the two adjacent downwind sectors should also be recorded.

- 8.2 The Emergency Coordinator shall ensure that thyroid and whole body dose rates are calculated and integrated thyroid and whole body dose are tracked once each hour for the duration of the event by:

- 8.2.1 Completing the "Dose Projection Worksheet" (Table 1) as described under Section 8.1.

- 8.2.2 Using the Current "Dose Projection Worksheet" for the last hour, complete a "Cumulative Dose Distribution Worksheet" (Table 2) for the current hour.

1. For each sector/distance block with a nonzero estimated thyroid and whole body dose rate for the current hour, the estimated dose rate (mrem/hr) shall be added to the integrated dose from event initiation to the present for that sector/distance block.
2. Sector/distance blocks with zero estimated dose rate for the current hour remain unchanged.

EMERGENCY PROCEDURE 20126, PAGE 4  
OFF-SITE DOSE CALCULATIONS

TABLE 1

## DOSE PROJECTION WORKSHEET

Date of Emergency: \_\_\_\_\_

Wind Data:

Speed: \_\_\_\_\_ Direction: \_\_\_\_\_

Time of Emergency: \_\_\_\_\_

Time Period for which Dose Projection is  
applicable: \_\_\_\_\_ To \_\_\_\_\_Time Period over which wind data  
is observed: \_\_\_\_\_ To \_\_\_\_\_

Date this worksheet completed: \_\_\_\_\_

Temp. at 232 ft. = \_\_\_\_\_ °F

(-)Temp. at 32 ft. = \_\_\_\_\_ °F

Time this worksheet completed: \_\_\_\_\_

 $\Delta T$  = \_\_\_\_\_ °F

Stability Class \_\_\_\_\_ (Tables)

A		B	C
Monitor Reading (cpm)		(Ci/sec.cpm) Calibration Constant	Effluent Release Rate (Ci/sec)
Noble Gases			Noble Gases
Plant Vent	NMC	$1.7 \times 10^{-5}$	
	R-14	$2.8 \times 10^{-7}$	
Unit 3 SFP Exh.		$4.9 \times 10^{-6}$	
Unit 3 Air Eject		N/A	
Unit 4 Air Eject		N/A	
Sum Total			

Record this value for all distances in column E

D	E	F		G	
Distance (Miles)	Total Release (Sum totals of column C)[Ci/sec]	Values from Dose Rate Tables (5-11) [mrem/hr/Ci/sec]		Calculated Dose Rates (Multiply E x F) [mrem/hr]	
	Noble Gases	Thyroid	Whole Body	Thyroid	Whole Body
1					
2					
5					
10					

Downwind Direction: \_\_\_\_\_

Sectors, either side of downwind direction: \_\_\_\_\_

Completed by: \_\_\_\_\_

9/3/81

EMERGENCY PROCEDURE 20126, PAGE 5  
OFF-SITE DOSE CALCULATIONS.

TABLE 2

CUMULATIVE DOSE DISTRIBUTION WORKSHEET

Time released assumed to occur: \_\_\_\_\_

Time through which this distribution applies: \_\_\_\_\_

DOWNWIND DIRECTION	THYROID DOSE (mrem) DOWNWIND DISTANCE (miles)				WHOLE BODY DOSE (mrem) DOWNWIND DISTANCE (miles)			
	1	2	5	10	1	2	5	10
N								
NNE								
NE								
ENE								
E								
ESE								
SE								
SSE								
S								
SSW								
SW								
WSW								
W								
WNW								
NW								
NNW								

Date and time this worksheet was completed:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Completed by: \_\_\_\_\_

TABLE 3  
WIND SPEED CLASS

<u>Observed Wind Speed (mph)</u>	<u>Wind Speed Class</u>
0-2	1
2-4	2
4-9	3
9-1	4
18-36	5

CLASSIFICATION OF ATMOSPHERIC STABILITY  
BY TEMPERATURE CHANGE IN HEIGHT

<u>Stability Classification</u>	<u>Pasquill Categories</u>	<u>Temperature Change with Height (°F)</u>
Extremely unstable	A	$\Delta T < -1.6$
Moderately unstable	B	$-1.6 \leq \Delta T < -1.4$
Slightly unstable	C	$-1.4 \leq \Delta T < -1.3$
Neutral	D	$-1.3 \leq \Delta T < -0.4$
Slightly stable	E	$-0.4 \leq \Delta T < 1.3$
Moderately stable	F	$1.3 \leq \Delta T < 3.4$
Extremely stable	G	$3.4 \leq \Delta T$

TABLE 4

DEFAULT VALUES FOR RADIOACTIVITY RELEASE RATES

Accident Type

Default Value

NOTE:

This table will be developed for design basis accidents from FSAR data. If necessary, time dependence of release rate will be reflected in the table.

TABLE 5

[illegible][illegible]



TABLE-6

[illegible][illegible]

EMERGENCY PROCEDURE 20126, PAGE 10  
OFF-SITE DOSE CALCULATIONS

3/81

TABLE 7

WIND SPEED (MPH)	WHOLE BODY DOSE FOR STABILITY CLASS C - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE											
	DOWNWIND DISTANCE - MILES											
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	1.93E+01	5.57E+00	2.67E+00	1.88E+00	1.53E+00	1.30E+00	1.13E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00
2-4	6.44E+00	1.86E+00	8.92E-01	5.30E-01	3.53E-01	2.54E-01	2.01E-01	1.91E-01	1.91E-01	1.91E-01	1.91E-01	1.91E-01
4-9	3.22E+00	9.28E-01	4.46E-01	2.65E-01	1.77E-01	1.27E-01	9.60E-02	8.10E-02	7.28E-02	6.61E-02	6.60E-02	6.60E-02
9-18	1.61E+00	4.64E-01	2.23E-01	1.32E-01	8.04E-02	5.35E-02	4.80E-02	4.05E-02	3.64E-02	3.31E-02	3.03E-02	2.80E-02
18-36	8.05E-01	2.32E-01	1.11E-01	6.62E-02	4.42E-02	3.17E-02	2.40E-02	2.03E-02	1.82E-02	1.65E-02	1.52E-02	1.40E-02

WIND SPEED (MPH)	THYROID DOSE FOR STABILITY CLASS C - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE											
	DOWNWIND DISTANCE - MILES											
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	5.47E+04	1.58E+04	7.47E+03	5.31E+03	4.34E+03	3.68E+03	3.20E+03	3.05E+03	3.05E+03	3.05E+03	3.05E+03	3.05E+03
2-4	1.82E+04	5.25E+03	2.52E+03	1.50E+03	1.00E+03	7.19E+02	5.68E+02	5.41E+02	5.41E+02	5.41E+02	5.41E+02	5.41E+02
4-9	9.12E+03	2.63E+03	1.26E+03	7.50E+02	5.00E+02	3.60E+02	2.72E+02	2.29E+02	2.06E+02	1.87E+02	1.87E+02	1.87E+02
9-18	4.56E+03	1.31E+03	6.31E+02	3.75E+02	2.50E+02	1.80E+02	1.36E+02	1.15E+02	1.03E+02	9.36E+01	8.59E+01	7.93E+01
18-36	2.28E+03	6.57E+02	3.16E+02	1.87E+02	1.25E+02	8.99E+01	6.80E+01	5.74E+01	5.15E+01	4.68E+01	4.29E+01	3.97E+01

EMERGENCY PROCEDURE 20126, PAGE 11  
OFF-SITE DOSE CALCULATIONS

9/3/81

TABLE 8

WIND SPEED (MPH)	WHOLE BODY DOSE FOR STABILITY CLASS D - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE											
	DOWNWIND DISTANCE - MILES											
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	3.92E+01	1.60E+01	9.34E+00	6.33E+00	4.66E+00	3.62E+00	2.92E+00	2.43E+00	2.06E+00	1.78E+00	1.57E+00	1.50E+00
2-4	1.31E+01	5.35E+00	3.11E+00	2.11E+00	1.55E+00	1.21E+00	9.75E-01	8.09E-01	6.87E-01	5.93E-01	5.23E-01	4.98E-01
4-9	7.74E+00	2.97E+00	1.68E+00	1.12E+00	8.17E-01	6.31E-01	5.07E-01	4.19E-01	3.54E-01	3.05E-01	2.68E-01	2.56E-01
9-18	4.74E+00	1.69E+00	9.23E-01	6.03E-01	4.34E-01	3.32E-01	2.65E-01	2.19E-01	1.84E-01	1.58E-01	1.39E-01	1.32E-01
18-36	2.37E+00	8.43E-01	4.61E-01	3.02E-01	2.17E-01	1.66E-01	1.33E-01	1.09E-01	9.19E-02	7.89E-02	6.93E-02	6.60E-02

WIND SPEED (MPH)	THYROID DOSE FOR STABILITY CLASS D - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE											
	DOWNWIND DISTANCE - MILES											
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	1.11E+05	4.54E+04	2.65E+04	1.79E+04	1.32E+04	1.03E+04	8.28E+03	6.88E+03	5.83E+03	5.03E+03	4.44E+03	4.23E+03
2-4	3.70E+04	1.51E+04	8.82E+03	5.97E+03	4.40E+03	3.42E+03	2.76E+03	2.29E+03	1.94E+03	1.68E+03	1.48E+03	1.41E+03
4-9	2.19E+04	8.41E+03	4.77E+03	3.18E+03	2.31E+03	1.79E+03	1.43E+03	1.19E+03	1.00E+03	8.63E+02	7.60E+02	7.25E+02
9-18	1.34E+04	4.77E+03	2.61E+03	1.71E+03	1.23E+03	9.42E+02	7.51E+02	6.18E+02	5.21E+02	4.47E+02	3.92E+02	3.74E+02
18-36	6.71E+03	2.39E+03	1.31E+03	8.54E+02	6.15E+02	4.71E+02	3.76E+02	3.09E+02	2.60E+02	2.23E+02	1.96E+02	1.87E+02

EMERGENCY PROCEDURE 20126, PAGE 12  
OFF-SITE DOSE CALCULATIONS

TABLE 9

WHOLE BODY DOSE FOR STABILITY CLASS E - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE												
WIND SPEED (MPH)	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	5.99E+01	2.80E+01	1.70E+01	1.28E+01	9.83E+00	7.93E+00	6.60E+00	5.62E+00	4.88E+00	4.29E+00	3.83E+00	3.44E+00
2-4	2.00E+01	9.34E+00	5.92E+00	4.25E+00	3.22E+00	2.64E+00	2.20E+00	1.87E+00	1.63E+00	1.43E+00	1.28E+00	1.15E+00
4-9	1.34E+01	5.70E+00	3.45E+00	2.41E+00	1.82E+00	1.45E+00	1.19E+00	1.01E+00	0.68E-01	7.60E-01	6.74E-01	6.04E-01
9-18	9.25E+00	3.52E+00	2.02E+00	1.37E+00	1.01E+00	7.93E-01	6.46E-01	5.41E-01	4.64E-01	4.04E-01	3.56E-01	3.19E-01
18-36	4.62E+00	1.76E+00	1.01E+00	6.83E-01	5.06E-01	3.96E-01	3.23E-01	2.71E-01	2.32E-01	2.02E-01	1.78E-01	1.59E-01
THYROID DOSE FOR STABILITY CLASS E - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE												
WIND SPEED (MPH)	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	1.70E+05	7.94E+04	5.03E+04	3.61E+04	2.79E+04	2.24E+04	1.87E+04	1.59E+04	1.38E+04	1.22E+04	1.08E+04	9.75E+03
2-4	5.65E+04	2.65E+04	1.68E+04	1.20E+04	9.28E+03	7.48E+03	6.23E+03	5.31E+03	4.61E+03	4.05E+03	3.61E+03	3.25E+03
4-9	3.81E+04	1.62E+04	9.76E+03	6.82E+03	5.15E+03	4.10E+03	3.38E+03	2.85E+03	2.46E+03	2.15E+03	1.91E+03	1.71E+03
9-18	2.62E+04	9.98E+03	5.72E+03	3.87E+03	2.86E+03	2.25E+03	1.83E+03	1.53E+03	1.31E+03	1.14E+03	1.01E+03	9.01E+02
18-36	1.31E+04	4.99E+03	2.86E+03	1.93E+03	1.43E+03	1.12E+03	9.15E+02	7.67E+02	6.56E+02	5.72E+02	5.05E+02	4.50E+02

EMERGENCY PROCEDURE 20126, PAGE 13  
OFF-SITE DOSE CALCULATIONS

TABLE 10

WHOLE BODY DOSE FOR STABILITY CLASS F - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE												
WIND SPEED (MPH)	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	1.06E+02	5.40E+01	3.62E+01	2.71E+01	2.15E+01	1.77E+01	1.51E+01	1.30E+01	1.15E+01	1.02E+01	9.22E+00	8.38E+00
2-4	3.52E+01	1.80E+01	1.21E+01	9.03E+00	7.17E+00	5.92E+00	5.02E+00	4.35E+00	3.83E+00	3.41E+00	3.07E+00	2.79E+00
4-9	2.62E+01	1.19E+01	7.54E+00	5.42E+00	4.19E+00	3.30E+00	2.84E+00	2.43E+00	2.12E+00	1.87E+00	1.68E+00	1.51E+00
9-18	1.83E+01	7.65E+00	4.57E+00	3.17E+00	2.39E+00	1.91E+00	1.57E+00	1.33E+00	1.15E+00	1.01E+00	9.03E-01	8.09E-01
18-36	9.13E+00	3.82E+00	2.28E+00	1.59E+00	1.20E+00	9.53E-01	7.87E-01	6.67E-01	5.76E-01	5.06E-01	4.50E-01	4.05E-01

THYROID DOSE FOR STABILITY CLASS F - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE												
WIND SPEED (MPH)	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	2.99E+05	1.53E+05	1.03E+05	7.67E+04	6.09E+04	5.03E+04	4.27E+04	3.70E+04	3.25E+04	2.90E+04	2.61E+04	2.37E+04
2-4	9.96E+04	5.10E+04	3.42E+04	2.56E+04	2.03E+04	1.68E+04	1.42E+04	1.23E+04	1.08E+04	9.67E+03	8.71E+03	7.91E+03
4-9	7.42E+04	3.38E+04	2.13E+04	1.53E+04	1.19E+04	9.61E+03	8.04E+03	6.88E+03	6.00E+03	5.30E+03	4.75E+03	4.29E+03
9-18	5.17E+04	2.17E+04	1.29E+04	8.98E+03	6.78E+03	5.40E+03	4.46E+03	3.78E+03	3.30E+03	2.87E+03	2.55E+03	2.29E+03
18-36	2.59E+04	1.08E+04	6.47E+03	4.49E+03	3.39E+03	2.70E+03	2.23E+03	1.89E+03	1.63E+03	1.43E+03	1.28E+03	1.15E+03

9/3/81

EMERGENCY PROCEDURE 20126, PAGE 14  
OFF-SITE DOSE CALCULATIONS

TABLE 11

WIND SPEED (MPH)	WHOLE BODY DOSE FOR STABILITY CLASS G - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE											
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	1.66E+02	9.42E+01	6.76E+01	5.31E+01	4.37E+01	3.72E+01	3.24E+01	2.87E+01	2.57E+01	2.33E+01	2.13E+01	1.96E+01
2-4	5.53E+01	3.14E+01	2.25E+01	1.77E+01	1.46E+01	1.24E+01	1.08E+01	9.55E+00	8.56E+00	7.76E+00	7.09E+00	6.52E+00
4-9	4.78E+01	2.38E+01	1.58E+01	1.18E+01	9.38E+00	7.76E+00	6.60E+00	5.74E+00	5.07E+00	4.53E+00	4.10E+00	3.74E+00
9-18	3.26E+01	1.57E+01	9.97E+00	7.18E+00	5.55E+00	4.50E+00	3.78E+00	3.24E+00	2.83E+00	2.51E+00	2.25E+00	2.04E+00
18-36	1.63E+01	7.87E+00	4.98E+00	3.59E+00	2.78E+00	2.25E+00	1.89E+00	1.62E+00	1.42E+00	1.26E+00	1.13E+00	1.02E+00

WIND SPEED (MPH)	THYROID DOSE FOR STABILITY CLASS G - (MREM/HR), BASED ON A 1.0 CI/SEC EMISSION RATE											
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
0-2	4.70E+05	2.67E+05	1.91E+05	1.50E+05	1.24E+05	1.05E+05	9.17E+04	8.12E+04	7.27E+04	6.59E+04	6.02E+04	5.54E+04
2-4	1.57E+05	8.89E+04	6.38E+04	5.01E+04	4.13E+04	3.51E+04	3.06E+04	2.71E+04	2.42E+04	2.20E+04	2.01E+04	1.85E+04
4-9	1.35E+05	6.74E+04	4.48E+04	3.34E+04	2.66E+04	2.20E+04	1.87E+04	1.63E+04	1.44E+04	1.28E+04	1.16E+04	1.06E+04
9-18	9.22E+04	4.46E+04	2.82E+04	2.03E+04	1.57E+04	1.28E+04	1.07E+04	9.18E+03	8.02E+03	7.12E+03	6.39E+03	5.79E+03
18-36	4.61E+04	2.23E+04	1.41E+04	1.02E+04	7.86E+03	6.38E+03	5.35E+03	4.59E+03	4.01E+03	3.56E+03	3.19E+03	2.89E+03



FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

1

1.0 Title:

MAINTAINING EMERGENCY PREPAREDNESS - RADIOLOGICAL EMERGENCY PLAN TRAINING

2.0 Approvals:

Reviewed by Facility Review Group	<u>March 20</u>	1981
* Approved by <u>AD Schmidt</u>	V.P. Pwr. Res. <u>March 26</u>	1981
* See signed cover sheet.		
Rev. 1 Reviewed by FRG	<u>July 7</u>	1981
Approved by <u>[Signature]</u>	V. P. Pwr. Res. <u>July 13</u>	1981
Rev. 2 Reviewed by FRG	<u>Aug. 26</u>	1981
Approved by <u>[Signature]</u>	V. P. Pwr. Res. <u>Sept 17</u>	1981

3.0 Scope:

## 3.1 Purpose

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

## 3.2 Discussion

In order to maintain emergency preparedness, personnel working at the St. Lucie 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

St. Lucie Plant Radiological Emergency Plan

## 3.4 Definition

Throughout this procedure, the terms Emergency Plan and Plan will be used to mean St. Lucie Plant Radiological Emergency Plan.

FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

4.0 Precautions

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

5.0 Responsibilities:

- 5.1 The Plant Manager has the overall responsibility for Emergency Plan Training.
- 5.2 The Plant Training Supervisor is responsible to the Plant Manager 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 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 Plant 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 Plant Training Supervisor shall provide for training all individuals requiring unescorted access on site 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 St. Lucie Plant Radiological Emergency Plan
- 6.2 10 CFR 50.47
- 6.3 10 CFR 50 Appendix E
- 6.4 NUREG 0654, Revision 1

FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

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 Quality Instruction, QI-17-PR/PSL-1, Quality Assurance Records.

FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

8.0 Instructions:

8.1 Emergency Coordinator Training

All Nuclear Plant Supervisors, Duty Call Supervisors (Operations), Nuclear Watch Engineers, Reactor Control Operators (who are holders of Senior Reactor Operator licenses) shall receive training in categories provided in this section, annually: (± 3 months)

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

8.2 Other Operational Assistance

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

- a) Emergency Plan familiarization.
- b) Emergency implementing procedures familiarization.
- c) Communications and record keeping methods.
- d) Accident assessment and corrective action.
- e) Shift relief policy.
- f) Specific emergency team training (for individuals assigned to interim emergency teams).

FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

8.0 Instructions: (cont'd)

8.3 Shift Technical Advisor

All Shift Technical Advisors shall receive the following annual training: (+ 3 months)

- a) Emergency Plan familiarization
- b) Emergency implementing procedures familiarization.
- c) Technical Specifications (in-depth understanding).
- d) Specialized training in power plant and reactor specific core operating characteristics (normal and abnormal) and accident assessment.

8.4 Emergency Teams

8.4.1 Primary and interim Emergency Team Leaders, their alternates, and emergency team members shall have successfully completed radiation protection training conducted by the Health Physics group. Successful completion of this training is acknowledged by the issuance of a "Red Badge" identification card.

8.4.2 All assigned primary and interim leaders shall participate in an annual training exercise designed to have them and their teams respond to simulated situations.

8.4.3 Specific emergency team training shall be conducted by the primary 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:

8.4.3.1 Radiation Emergency Team

- a) Use of air sampling equipment.
- b) Performance of contamination surveys.
- c) Determination of air activity and stay times based on MPC values.
- d) Determination of radiation levels and allowable dose limits in emergency conditions.

FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

8.0 Instructions: (cont'd)

8.4 Emergency Teams (cont'd)

8.4.3 (cont'd)

8.4.3.1 (cont'd)

- e) Record keeping methods.
- f) In-depth knowledge of personnel and field monitoring/analyzing techniques.
- g) Responsibilities of the Emergency Radiation Team.

8.4.3.2 Security Team

- a) Personnel accountability procedures.
- b) Site ingress and egress control procedures.
- c) Deployment of Security Personnel.

8.4.3.3 First Aid/Decontamination Team

- a) Description, storage location, and application of supplies and equipment.
- b) Sequential steps for the assessment of contamination levels and treatment of injured personnel.
- c) Allowable radiation exposures and advisable radiological environments.
- d) Personnel decontamination procedures.
- e) Procedures for the evacuation of contaminated persons to off-site medical facilities.
- f) At least three members will satisfactorily complete the American National Red Cross Multi-Media First Aid Course and will requalify every three years (+ 6 months).

FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE PLANT UNIT NO. 1  
EMERGENCY PLAN IMPLEMENTING PROCEDURE NO. 3100034E  
REVISION 2

8.0 Instructions: (cont'd)

8.4 Emergency Teams (cont'd)

8.4.3 (cont'd)

8.4.3.4 Fire Team

Fire Team training is covered by the Fire Protection manual, Administrative Procedure 1800022.

8.4.3.5 Recovery and Restoration & Re-entry Teams

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

8.4.3.6 Other Personnel Requiring Unescorted Access On Site

- a) Emergency Plan Familiarization.
- b) Selected Emergency implementing procedures familiarization.

8.4.3.7 Technical Support Center Supervisor

- a) Emergency Plan familiarization.
- b) Emergency implementing procedures familiarization.
- c) Technical Specifications (in-depth understanding).
- d) Specialized training in power plant and reactor specific core operating characteristics (normal and abnormal) and accident assessment.

- 8.4.3.7.1 Those personnel designated as "Support Staff" on Table 3 of Emergency Plan Implementing Procedure 3100032E need not receive the above training.



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

Page 1

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 J. Maister for Emergency Planning Supervisor  
9-8-81, 1981

Approved by J. R. Benson for Vice President, Power  
Resources Sept 8, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1 through 14, inclusive	9/8/81

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 notification responsibilities of the ECO until relieved by the ECO or his alternate.

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

Page 2

- 4.3 Expenditures of funds above stated limits, policy issues which may effect the company and certain contractual arrangements, will require specific authorization by the Executive Vice President of the company.

5.0 Responsibilities

- 5.1 Maintain awareness of the status of the emergency conditions.
- 5.2 Certain policy and levels of expenditure will be authorized by the Executive Vice President.
- 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.
- 6.4 Procedure 1301, Emergency Roster

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. The checklists at the end of this procedure provide required notifications and information.

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 or System Operations Power Coordinator and obtain from him the information shown on the attached Checklist 1, as available.
- 8.2 Mobilize the Off-site Emergency Organization as required for each specific class of emergency. (See appropriate checklist)
- 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.

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

Page 3

- 8.4 Notify the Executive Vice President of the emergency.
- 8.5 Report to General Office Emergency Center or interim EOF if deemed appropriate.
- 8.6 Make new policy decisions as required relative to emergency actions.
- 8.7 Authorize expenditures of funds for emergency support activities within stated limits. Obtain approval for policy and expenditures within limits of Section 5.
- 8.8 Approve emergency contractual arrangements for emergency support activities within the limits stated in Section 5.
- 8.9 Assist in obtaining additional FPL support for the Off-Site Emergency Organization, as requested by Recovery Manager.
- 8.10 Conduct liaison with Federal and state agencies on administrative matters not covered by Emergency Plans.

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

Page 4

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, including  
recommended protective actions \_\_\_\_\_  
\_\_\_\_\_

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

Page 5

CHECKLIST 2

<u>Action</u>	<u>UNUSUAL EVENT CHECKLIST</u>	<u>Time</u>	<u>Initials</u>	<u>Time</u>	<u>Initials</u>
1. Time of receipt of initial notification		_____	_____	_____	_____
2. Obtain Checklist 1 data:					
A. Initial		_____	_____	_____	_____
B. Updates		_____	_____	_____	_____
C. Checklist Complete		_____	_____	_____	_____
3. Notify Corporate Communications Duty Officer ( ) or		_____	_____	_____	_____
4. Notify Governmental Affairs Department (See Procedure 1301)		_____	_____	_____	_____
5. If reporting to the General Office Emergency Center, relieve Emergency Coordinator of Offsite Emergency Communications Functions.		_____	_____	_____	_____
6. Verify notification to the following agencies:					
6.1 Bureau of Disaster Preparedness Duty Warning Officer, Tallahassee ( )		_____	_____	_____	_____
6.2 U.S. Nuclear Regulatory Commission Region II, Office of Inspection and Enforcement ( )		_____	_____	_____	_____
7. Assess status of the following departments, periodically:					
7.1 Corporate Communications		_____	_____	_____	_____
7.2 Governmental Affairs		_____	_____	_____	_____
8. Close out with verbal summaries to item 6 contacts or escalate to checklists 3 or 4.		_____	_____	_____	_____
9. Complete necessary written reports within 24 hours:					
Nuclear Regulatory Commission		_____	_____	_____	_____
Bureau of Disaster Preparedness		_____	_____	_____	_____

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

Page 6

CHECKLIST 3

ALERT CHECKLIST

<u>Action</u>	<u>Time</u>	<u>Initials</u>	<u>Time</u>	<u>Initials</u>
1. Time of receipt of notification	_____	_____	_____	_____
2. Obtain Checklist 1 data				
A. Initial	_____	_____	_____	_____
B. Update	_____	_____	_____	_____
C. Checklist complete	_____	_____	_____	_____
3. Establish contact with Emergency Coordinator	_____	_____	_____	_____
4. Notify Offsite Emergency Organization (See Procedure 1301, Offsite Emergency Roster) and notify Executive Vice President	_____	_____	_____	_____
5. If deemed appropriate, activate General Office Emergency Center. NOTE: The Offsite Organization may not be fully activated for an Alert condition	_____	_____	_____	_____
6. Relieve Emergency Coordinator of his off-site emergency communications responsibilities	_____	_____	_____	_____
7. Establish communications with the following agencies:				
7.1 Bureau of Disaster Preparedness Duty Warning Officer, Tallahassee	_____	_____	_____	_____

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

Page 7

CHECKLIST 3 (CONT'D)  
ALERT CHECKLIST

<u>Action</u>	<u>Time</u>	<u>Initials</u>	<u>Time</u>	<u>Initials</u>
7.2 Department of Health and Rehabilitative Services, Radiological Duty Officer, Orlando(	_____	_____	_____	_____
7.3 <u>PTP only</u> <u>PSL only</u>	_____	_____	_____	_____
a) Dade                      a) St. Lucie				
County EOC                  County EOC				
b) Monroe                  b) Martin				
County EOC                  County EOC				
7.4 Nuclear Regulatory Commission Region II, Office of Inspection and Enforcement	_____	_____	_____	_____
8. Assess status of activated individuals of the Ofsite Organization, as appropriate:				
8.1 Recovery Manager	_____	_____	_____	_____
8.2 Emergency Information Manager	_____	_____	_____	_____
8.3 Governmental Affairs Manager	_____	_____	_____	_____
9. Update Checklist 1 data periodically and communicate to state and county authorities	_____	_____	_____	_____
10. Close-out with verbal summary to all Item 7 contacts or escalate to Checklist 4	_____	_____	_____	_____
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 EMERGENCY CONTROL OFFICER,  
OFF-SITE EMERGENCY ORGANIZATION  
PROCEDURE 1101

Page 8

CHECKLIST 4

SITE AREA AND GENERAL EMERGENCY CHECKLIST

<u>Action</u>	<u>Time</u>	<u>Initials</u>	<u>Time</u>	<u>Initials</u>
1. Time of receipt of notification	_____	_____	_____	_____
2. Obtain Checklist 1 data				
A. Initial	_____	_____	_____	_____
B. Update	_____	_____	_____	_____
C. Checklist complete	_____	_____	_____	_____
3. Establish contact with Emergency Coordinator	_____	_____	_____	_____
4. Notify Offsite Emergency Organization (See Procedure 1301, Offsite Emergency Roster) and notify Executive Vice President	_____	_____	_____	_____
5. Activate General Office Emergency Center and interim Emergency Operations Facility. (See Procedure 1202 (PSL) or 1212 (PTP) Activation and Use of Emergency Operations Facility).	_____	_____	_____	_____
6. Organize response teams at the General Office Emergency Center or interim Emergency Operations Facility, as appropriate	_____	_____	_____	_____
7. Relieve Emergency Coordinator of his off-site emergency communications responsibilities	_____	_____	_____	_____

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

CHECKLIST 4 (CONT'D)  
SITE AREA AND GENERAL EMERGENCY CHECKLIST

<u>Action</u>	<u>Time</u>	<u>Initials</u>	<u>Time</u>
8. Establish communications with the following agencies:	_____	_____	_____
8.1 Bureau of Disaster Preparedness Duty Warning Officer, Tallahassee	_____	_____	_____
8.2 Department of Health and Rehabilitative Services, Radiological Duty Officer, Orlando	_____	_____	_____
8.3 <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	_____	_____	_____
8.4 Nuclear Regulatory Commission Region II, Office of Inspection and Enforcement	_____	_____	_____
9. Assess status of assigned responsibilities for the following periodically:			
8.1 Recovery Manager (See Procedure 1102)	_____	_____	_____
8.2 Emergency Information Manager (See Procedure 1103)	_____	_____	_____
8.3 Governmental Affairs Manager (See Procedure 1106)	_____	_____	_____
10. Update Checklist 1 data periodically and communicate to state and county authorities	_____	_____	_____

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

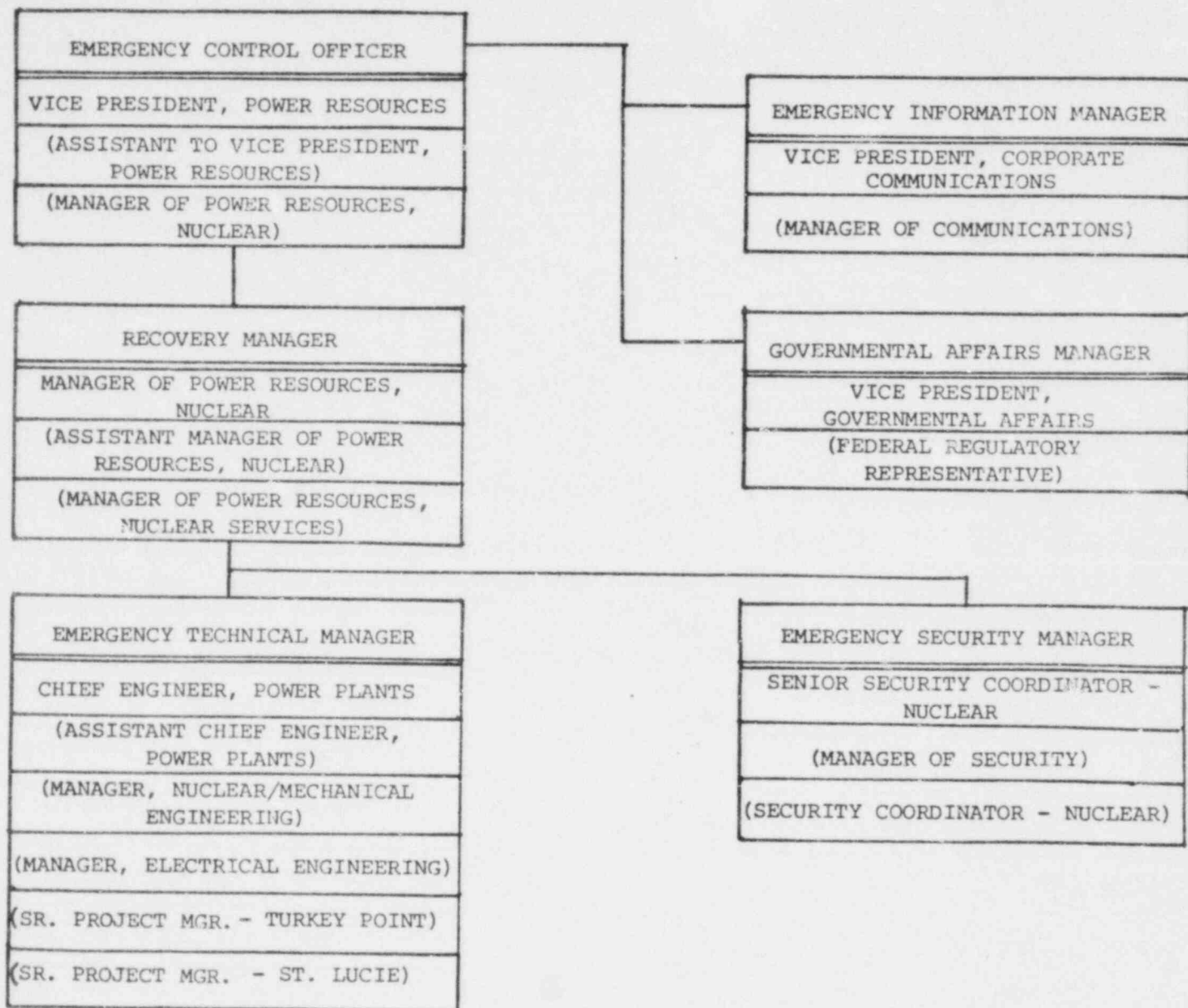
Page 10

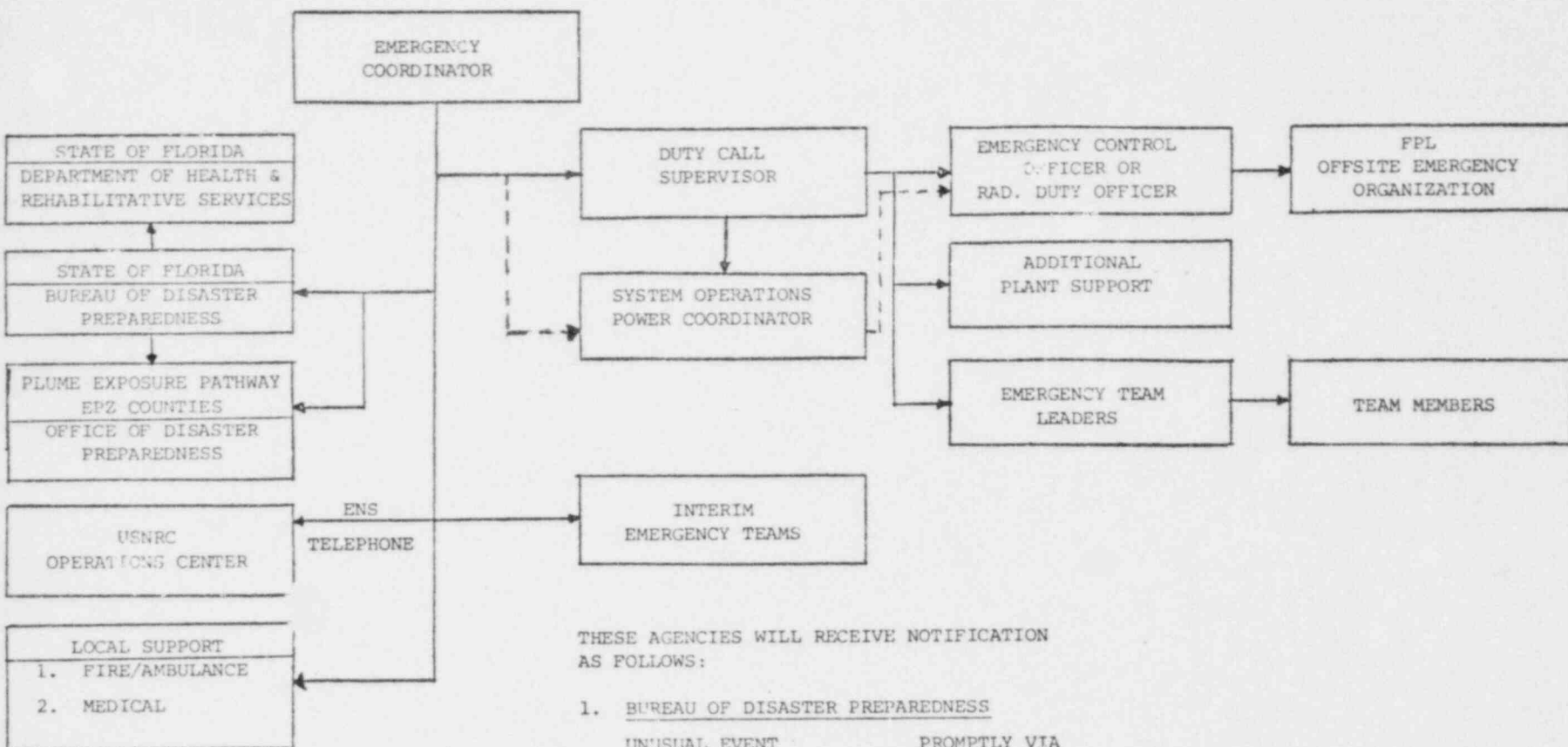
CHECKLIST 4 (Cont'd)  
SITE AREA AND GENERAL EMERGENCY CHECKLIST

<u>Action</u>	<u>Time</u>	<u>Initials</u>	<u>Time</u>	<u>Initials</u>
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 contracts when appropriate	_____	_____	_____	_____
13/ Complete necessary written reports as follows: Nuclear Regulatory Commission within 24 hours	_____	_____	_____	_____
Bureau of Disaster Preparedness within 24 hours.	_____	_____	_____	_____

## PROCEDURE 1101

FIGURE 1





THESE AGENCIES WILL RECEIVE NOTIFICATION AS FOLLOWS:

1. BUREAU OF DISASTER PREPAREDNESS

UNUSUAL EVENT AND ALERT	PROMPTLY VIA TELEPHONE
SITE AREA EMERGENCY AND GENERAL EMERGENCY	PROMPTLY VIA NAWAS

2. COUNTY OFFICE OF DISASTER PREPAREDNESS

UNUSUAL EVENT AND ALERT	VIA BDP PROMPTLY VIA TELEPHONE
SITE AREA EMERGENCY AND GENERAL EMERGENCY	PROMPTLY VIA NAWAS

3. USNRC

VIA ENS WITHIN 1 HOUR OF DECLARATION OF AN EMERGENCY

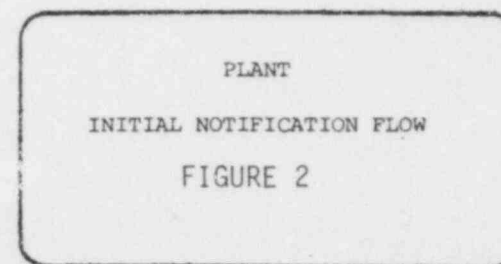
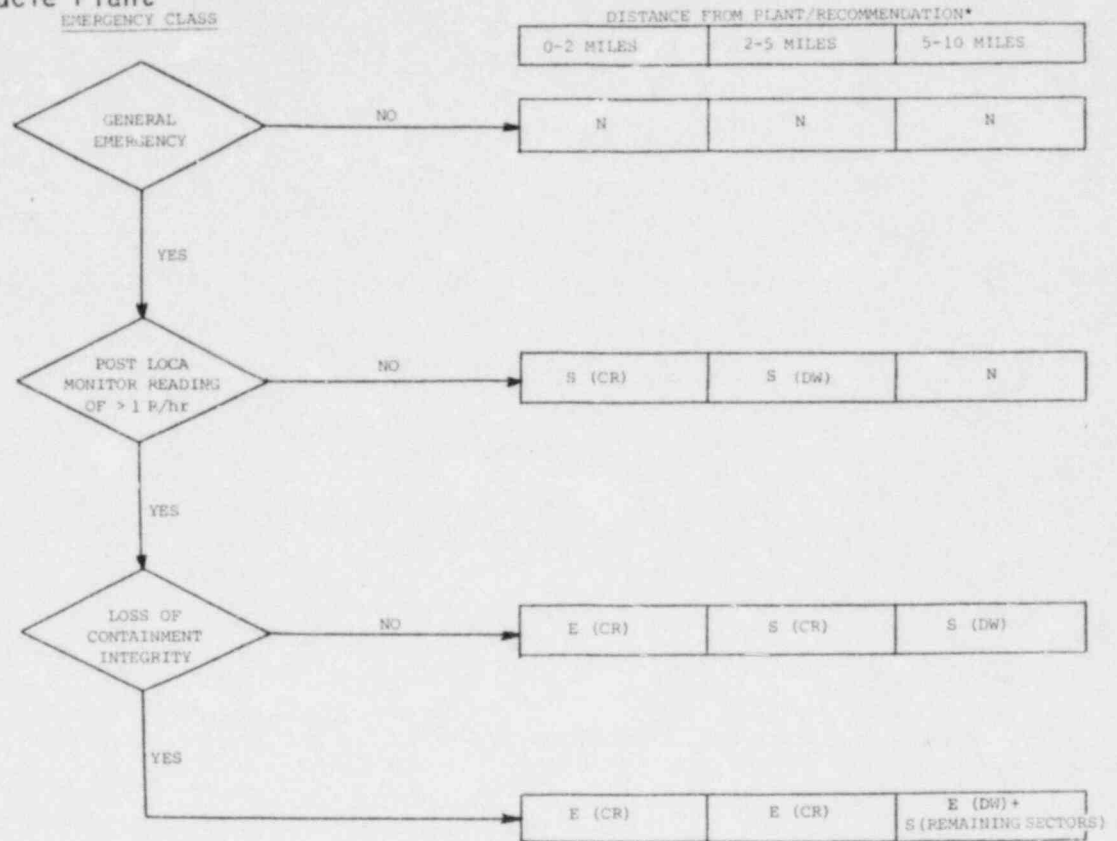


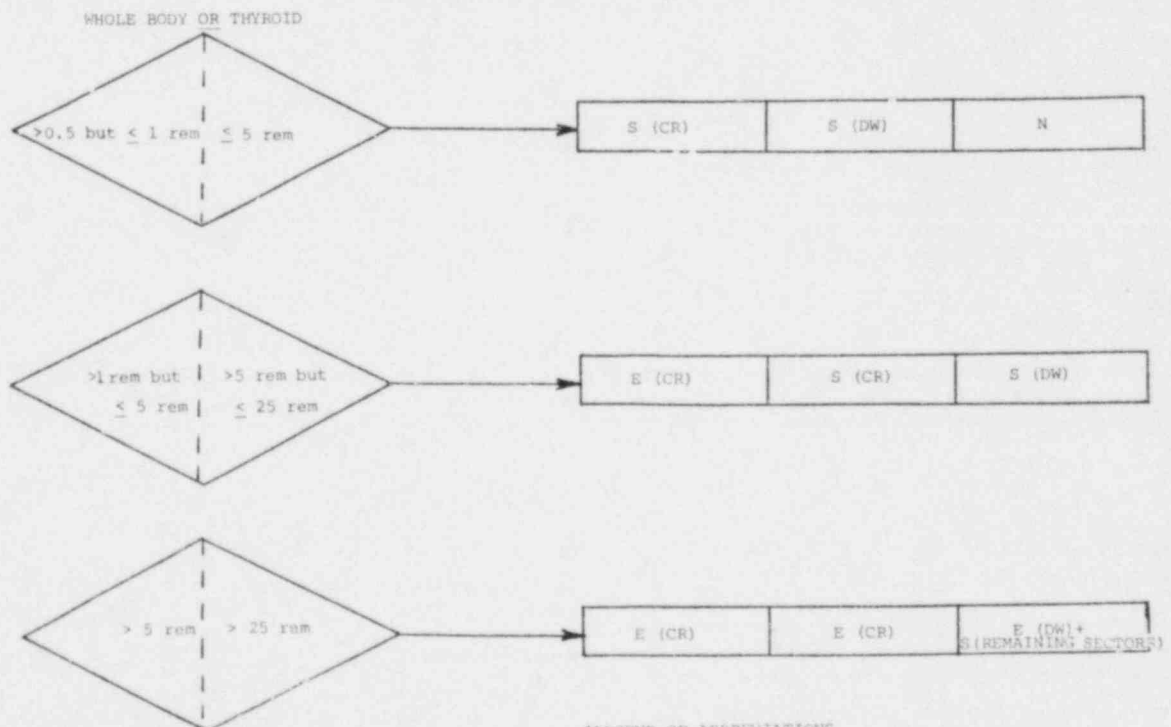
Figure 3 A  
St. Lucie Plant

PROTECTIVE ACTION RECOMMENDATIONS

Page 13



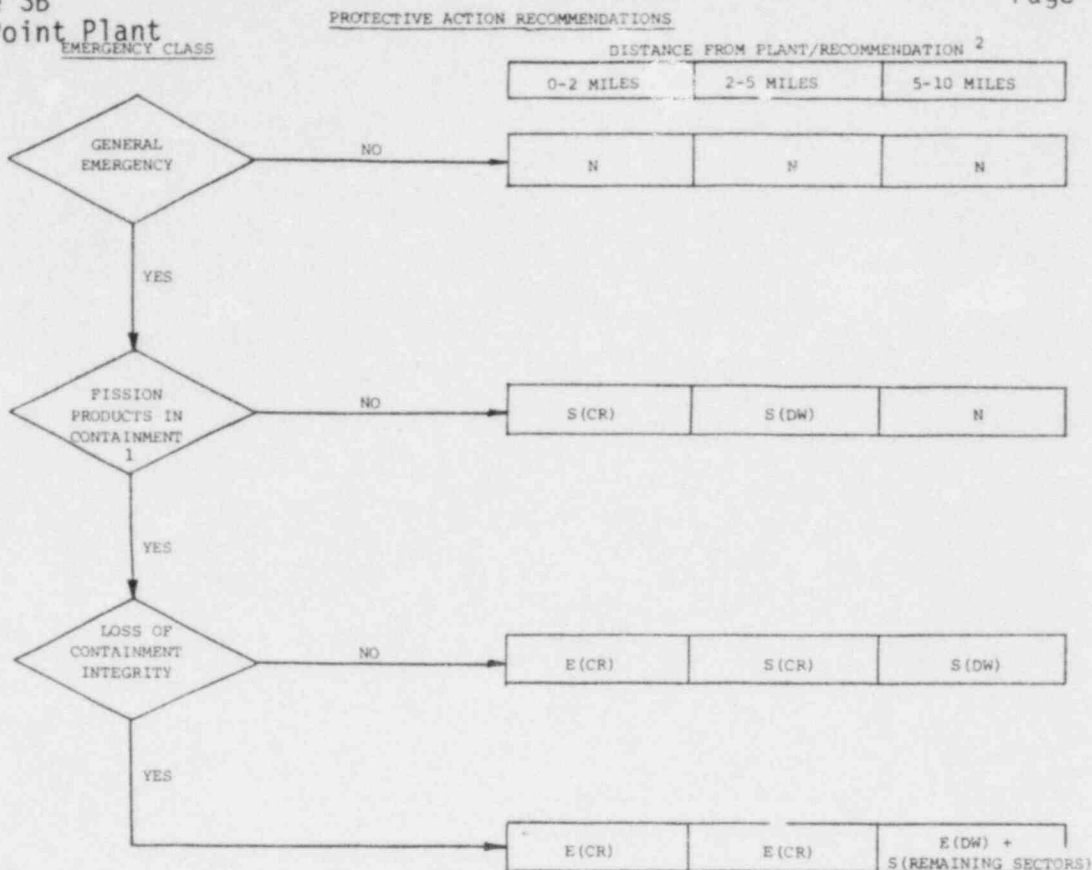
ESTIMATED OFFSITE DOSES  
BASED UPON FIELD SURVEY RESULTS (ACTUAL RELEASE)  
USED IN PREFERENCE TO EMERGENCY CLASS



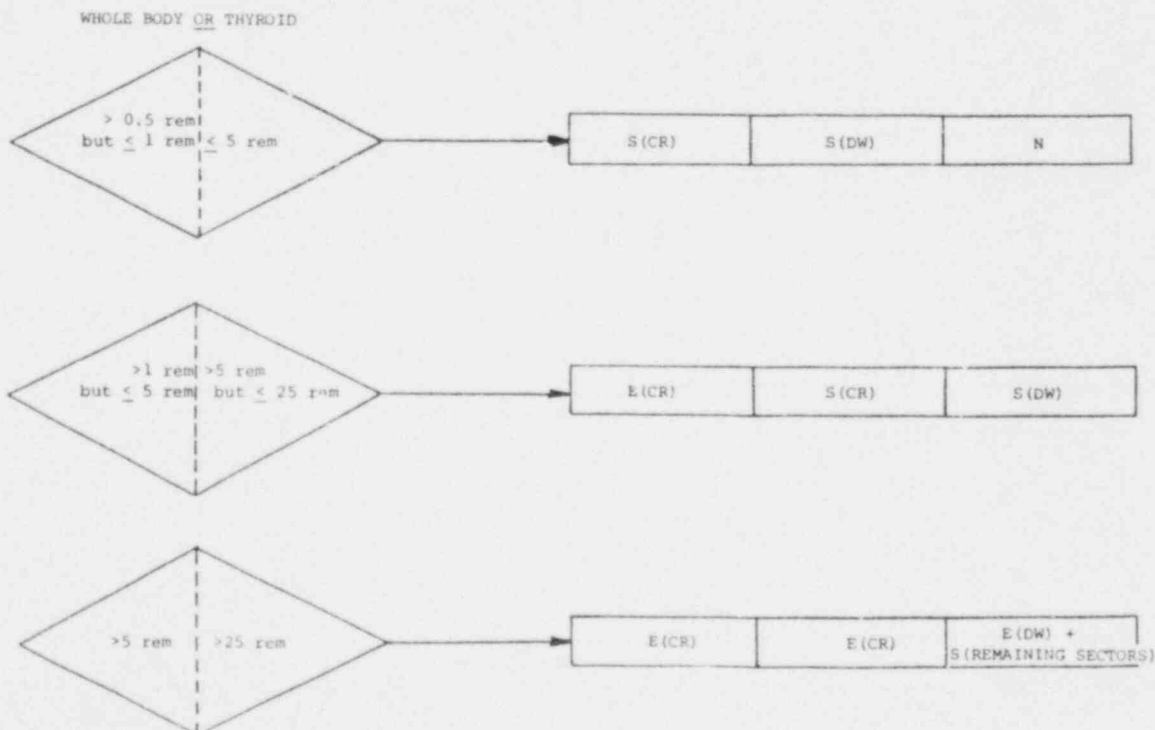
\*LEGEND OF ABBREVIATIONS

N - No protective action recommended  
S - Sheltering recommended  
E - Evacuation recommended  
DW - Downwind, 90° sector  
CR - Complete circle around plant at specified distance

Figure 3B  
Turkey Point Plant



Estimated Offsite Doses  
Based Upon Field Survey Results (Actual Release)  
Used in preference to Emergency Class



1 - FISSION PRODUCTS IN CONTAINMENT

If radiation survey outside containment  
wall yields  $\geq 1 \text{ R/hr}$  then follow "yes logic"

2 - LEGEND OF ABBREVIATIONS

N - No protective action recommended  
S - Sheltering recommended  
E - Evacuation recommended  
DW - Downwind, 90° sector  
CR - Complete circle around plant at  
specified distance



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

Page 1

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 J. Maister for Emergency Planning Supervisor  
9-8-81, 1981

Approved by J. R. Bensen for Manager of Power Resources -  
Nuclear Sept 8, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1 through 10, inclusive	9/8/81

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 emergency 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.

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 the ECO's 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.

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

Page 2

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.
- 4.2 The Recovery Manager will be activated for Site Area and General Emergencies. He may be activated for Alerts or Unusual Events.

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 1101, Duties of the Emergency Control Officer.

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

Page 3

6.7 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, his alternate, or his designee.

8.0 Instructions

- 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 Report to the General Office Emergency Center or the interim Emergency Operations Facility as directed by the Emergency Control Officer.
- 8.3 Upon arrival and when functional (at the General Office Emergency Center or interim EOF), notify the Emergency Coordinator and Emergency Control Officer.
- 8.4 Complete the activities shown on the attached Checklist 2 and periodically assess the status of all such activities.
- 8.5 Use additional support agencies as necessary. Phone numbers are supplied in the Offsite Emergency Roster (Procedure 1301)

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

Page 4

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, including  
recommended protective  
actions \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Page 5

CHECKLIST 2

RECOVERY MANAGER

<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. Time of receipt of initial notification from ECO.				
2. Obtain Checklist 1 data (to the extent available)				
A. Initial				
B. Update				
C. Checklist Complete				
3. Establish contact with Emergency Coordinator				
4. Organize response teams at the General Office Emergency Center or interim Emergency Operations Facility, as appropriate				
5. Relieve Emergency Coordinator of his off-site emergency communications responsibilities				
6. Establish communications with the following agencies:				
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  
PROCEDURE 1102

Page 6

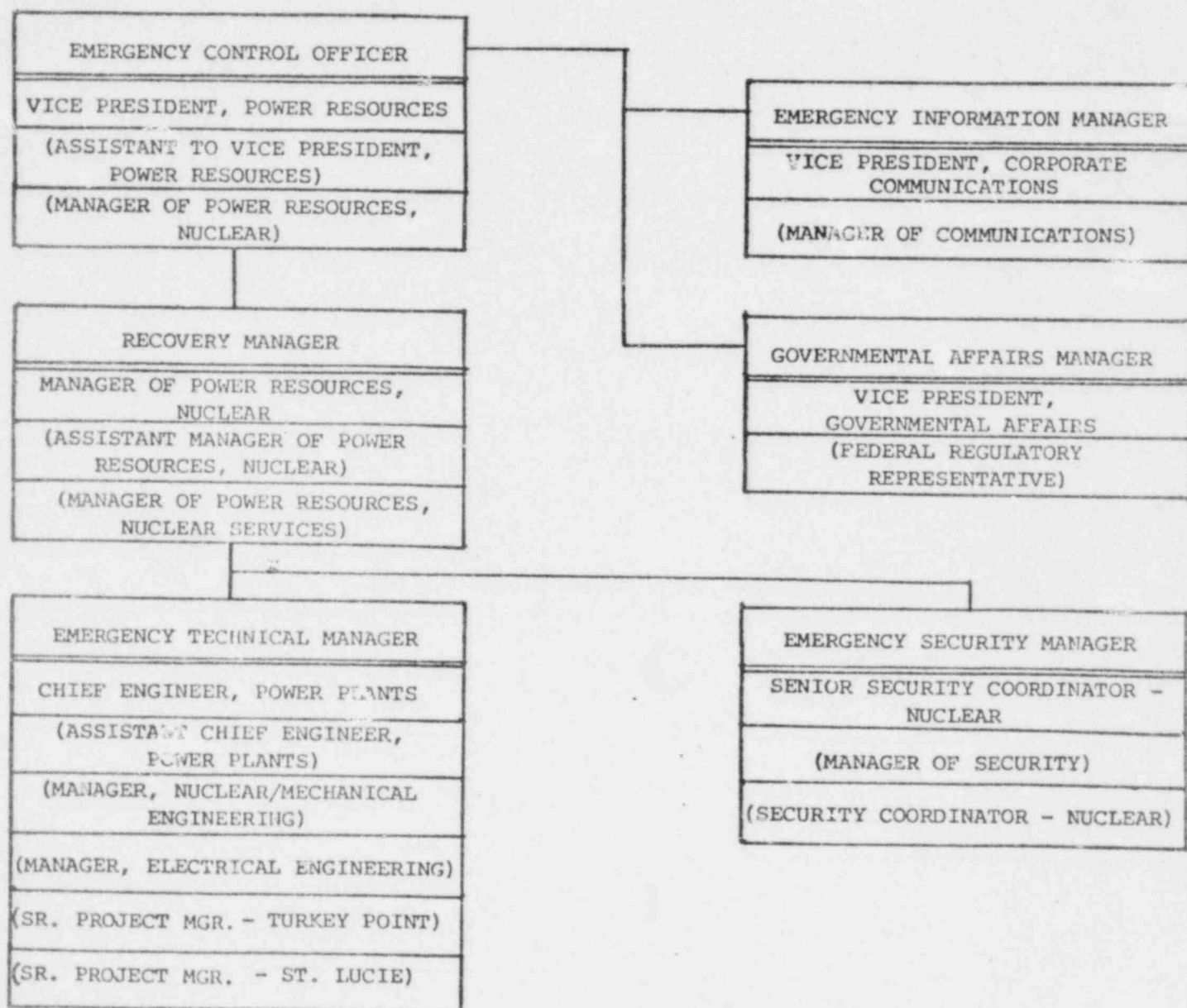
CHECKLIST 2 (CONT'D)

<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 6 contacts when appropriate				
11. Complete necessary written reports as follows: Nuclear Regulatory Commission within 24 hours Bureau of Disaster Preparedness within 24 hours.				

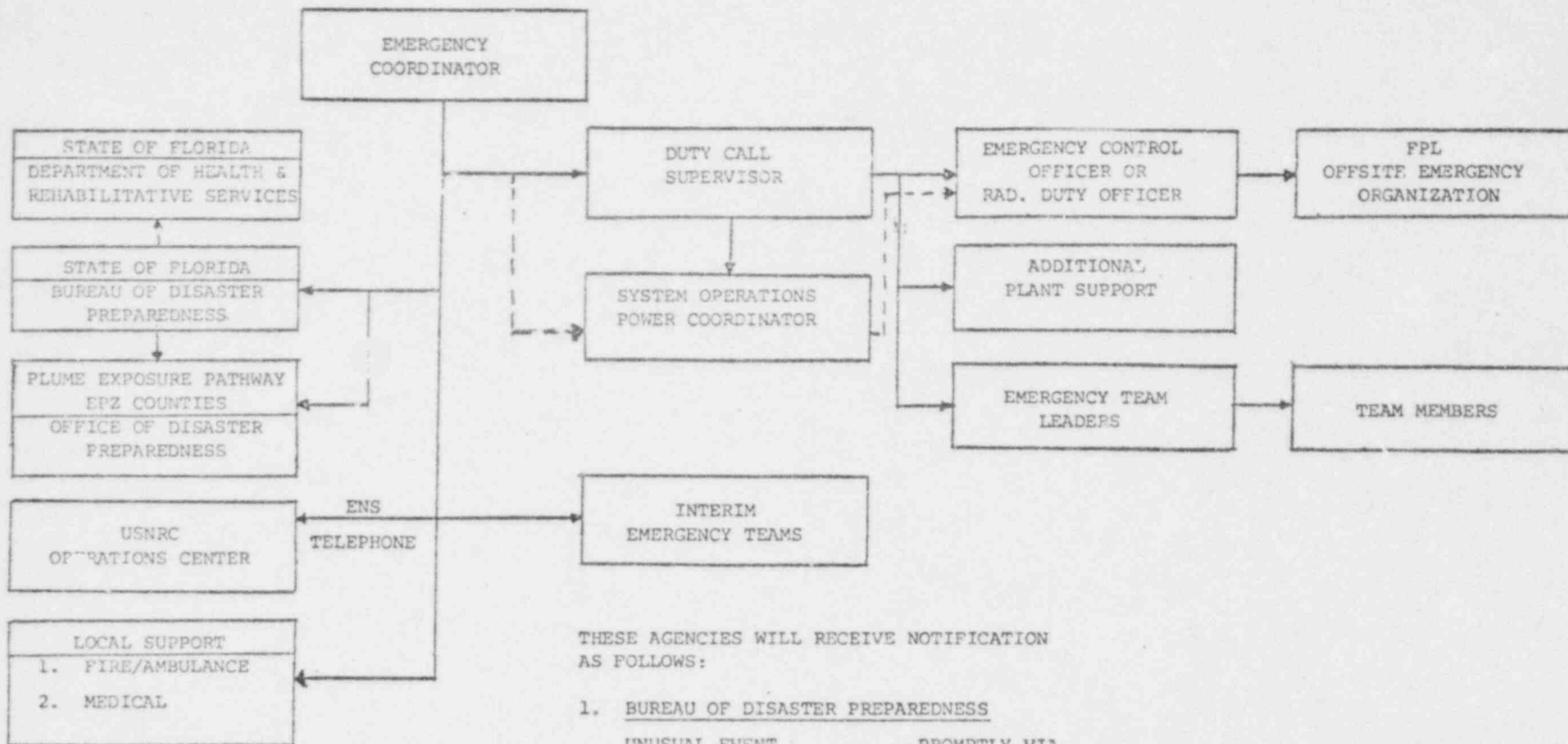


## PROCEDURE 1102

FIGURE 1







THESE AGENCIES WILL RECEIVE NOTIFICATION AS FOLLOWS:

1. BUREAU OF DISASTER PREPAREDNESS

UNUSUAL EVENT AND ALERT PROMPTLY VIA TELEPHONE

SITE AREA EMERGENCY AND GENERAL EMERGENCY PROMPTLY VIA NAWAS

2. COUNTY OFFICE OF DISASTER PREPAREDNESS

UNUSUAL EVENT AND ALERT VIA BDP PROMPTLY VIA TELEPHONE

SITE AREA EMERGENCY AND GENERAL EMERGENCY PROMPTLY VIA NAWAS

3. USNRC

VIA ENS WITHIN 1 HOUR OF DECLARATION OF AN EMERGENCY

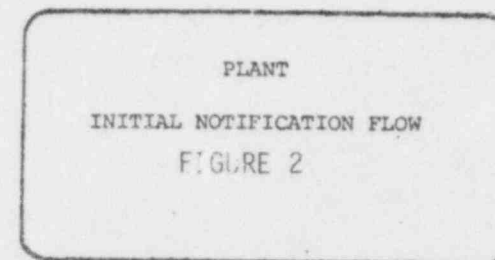
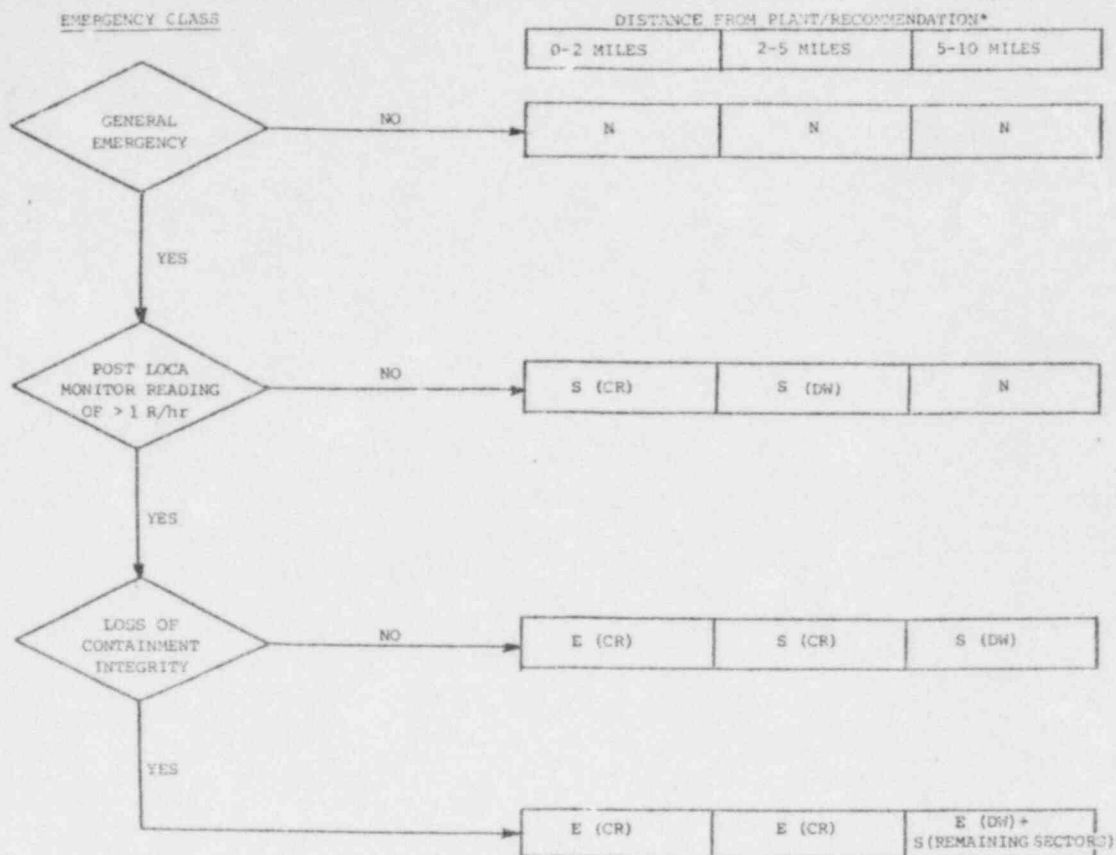
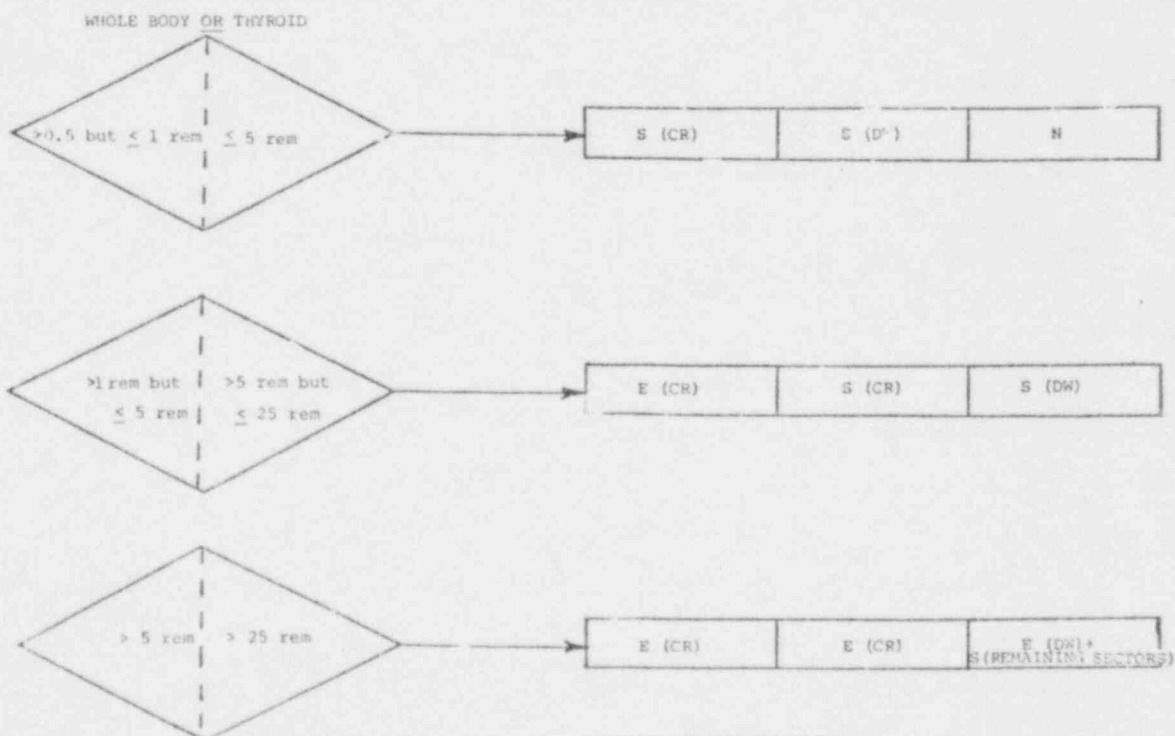


Figure 3A  
St. Lucie Plant



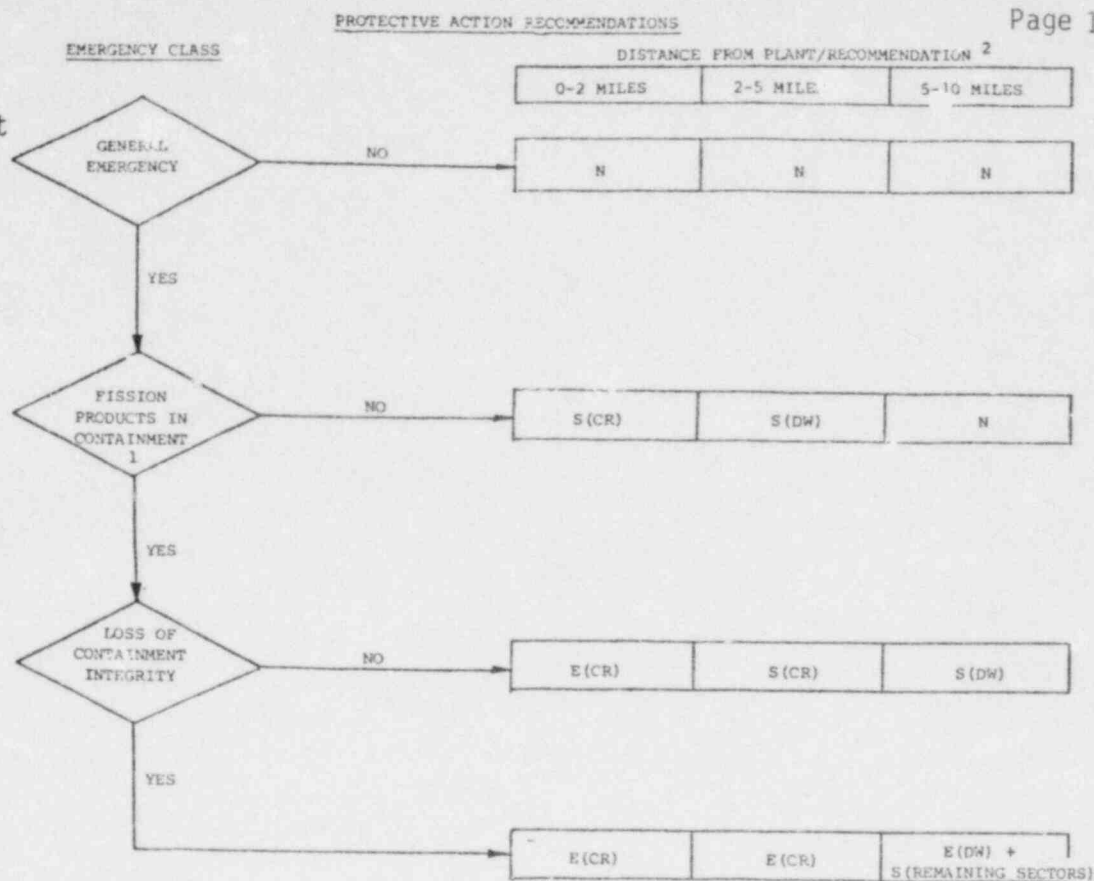
ESTIMATED OFFSITE DOSES  
BASED UPON FIELD SURVEY RESULTS (ACTUAL RELEASE)  
USED IN PREFERENCE TO EMERGENCY CLASS



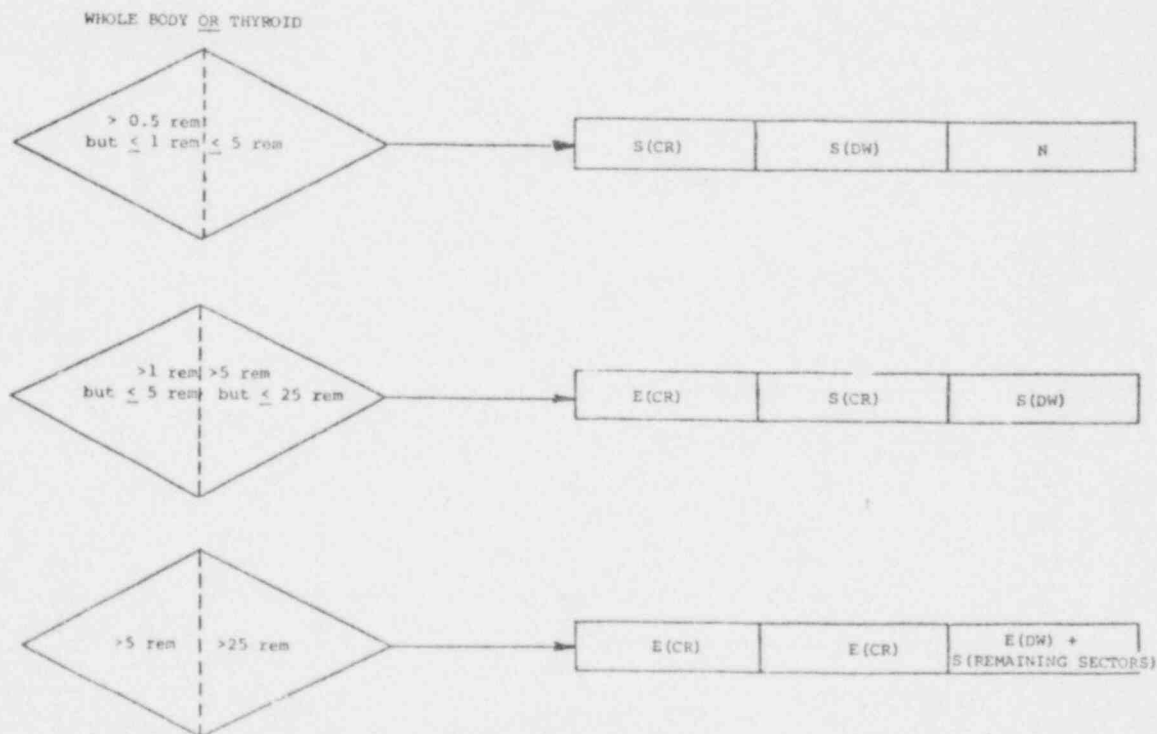
\*LEGEND OF ABBREVIATIONS

N - No protective action recommended  
S - Sheltering recommended  
E - Evacuation recommended  
DW - Downwind, 90° sector  
CR - Complete circle around plant at specified distance

Figure 3B  
Turkey Point Plant



Estimated Offsite Doses  
Based Upon Field Survey Results (Actual Release)  
Used in preference to Emergency Class



1 - FISSION PRODUCTS IN CONTAINMENT

If radiation survey outside containment  
wall yields  $\geq 1 \text{ R/hr}$  then follow "yes logic"

2 - LEGEND OF ABBREVIATIONS

N - No protective action recommended  
S - Sheltering recommended  
E - Evacuation recommended  
DW - Downwind, 90° sector  
CR - Complete circle around plant at  
specified distance

FLORIDA POWER & LIGHT COMPANY  
ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS  
FACILITY (TURKEY POINT)  
OFF-SITE EMERGENCY ORGANIZATION  
PROCEDURE 1212

Page 1

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 J. Mauler for Emergency Planning Supervisor  
9-8-81, 1981

Approved by J. R. Benson for Vice President of Power  
Resources Sept 8, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>	<u>Page</u>	<u>Date</u>
1	9/8/81	4	9/8/81
2	9/8/81		
3	9/8/81		

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.

FLORIDA POWER & LIGHT COMPANY  
ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS  
FACILITY (TURKEY POINT)  
OFF-SITE EMERGENCY ORGANIZATION  
PROCEDURE 1212

Page 2

### 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.

- 3.3.1 FPL Off-Site Emergency Organization
- 3.3.2 NRC Site Team
- 3.3.3 State Radiological Health Services  
Field Team
- 3.3.4 FEMA

Figure 1 identifies the designated locations within the building.

### 4.0 Precautions

- 4.1 The Interim EOF is activated upon the direction of the Emergency Control Officer 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 Emergency Control Officer is responsible for activating the Interim EOF. The Recovery Manager supervises 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 ECO or 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 Emergency Control Officer.
- 6.3 Emergency Procedure 1102 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 or appropriate checklist maintained by the Recovery Manager or his designee.

FLORIDA POWER & LIGHT COMPANY  
ACTIVATION AND USE OF THE INTERIM EMERGENCY OPERATIONS  
FACILITY (TURKEY POINT)  
OFF-SITE EMERGENCY ORGANIZATION  
PROCEDURE 1212

Page 3

8.0 Instructions

8.1 Activation

The Emergency Control Officer 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.

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 has direct communications available 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 or has available copies of Emergency Plans and Procedures, technical specifications, plant drawings and diagrams, and other technical data.

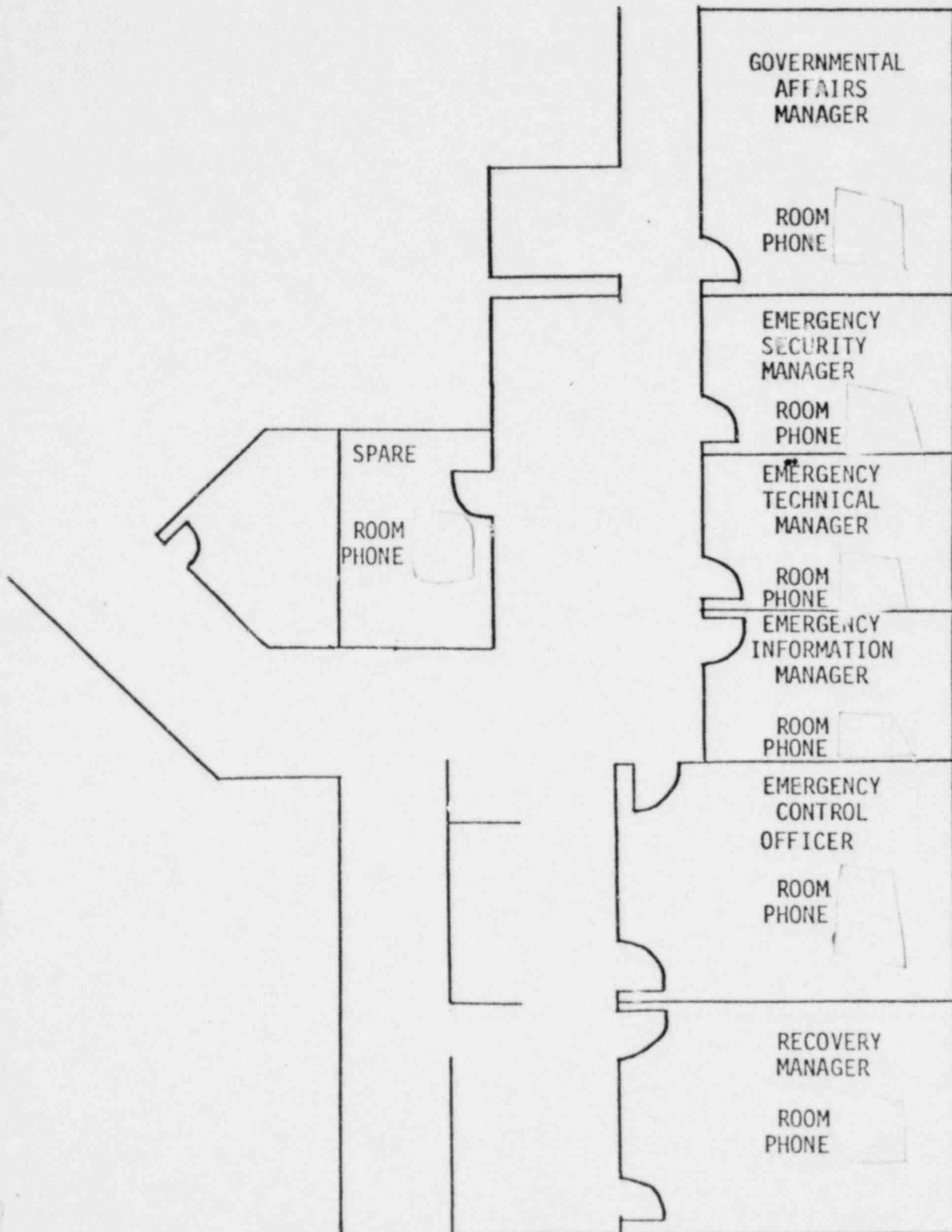
8.7 Deactivation

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



PROCEDURE 1212

FIGURE 1



INTERIM

EMERGENCY OPERATIONS FACILITY



FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 1

1.0 Title:

Emergency Roster - Offsite Emergency Organization

2.0 Approval and List of Effective Pages:

2.1 Approvals

Reviewed by J. Maister for Emergency Planning Supervisor  
9/8/81, 1981

Approved by: J. Benson Vice President, Power Resources  
Sept 8, 1981

2.2 List of Effective Pages

<u>Page</u>	<u>Date</u>
1 through 7, inclusive	9/8/81

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 1101 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 Supervisor shall be responsible for periodic verification and updating of the Emergency Roster.

FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 2

- 5.4 FPL personnel on the Emergency Roster shall notify the Emergency Plan Supervisor 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.

FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 3

~~EXEMPT FROM DISCLOSURE~~  
~~10 C.F.R. 2.100 INFORMATION~~

APPENDIX A - ECO CALL LIST

Title	Name	Telephone		
		Home	Office	BPR/EMER.
EXECUTIVE VICE PRESIDENT	E.A. Adomat			
RECOVERY MANAGER	C.O. Woody			
Alternates:				
Asst. Manager, Power Resources - Nuclear	K.N. Harris		(weekdays)	
			(weekends)	
Manager, Power Resources - Nuclear Services	H.N. Paduano			
EMERGENCY INFORMATION MANAGER	J.H. Francis			
Alternates:				
Manager of Communications	L.J. Snipes			
Duty Corporate Communication Officer	Corp. Comm. Duty Roster			
EMERGENCY TECHNICAL MANAGER	W.H. Rogers			
Alternates:				
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			

~~EXEMPT FROM DISCLOSURE~~  
~~10 C.F.R. 2.100 INFORMATION~~

FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 4

APPENDIX A ECO CALL LIST

~~EXEMPT FROM DISCLOSURE~~  
~~10 CFR 2.100 INFORMATION~~

Title	Name	Telephone		
		Home	Office	BPR/EMER.
EMERGENCY SECURITY MANAGER	F.H. Fabor			
<u>Alternates:</u>				
Manager of Security	K.L. Caldwell			
Sr. Security Coordinator - Nuc. (On Rotation at Mgmt. Services)	J.M. McCabe			
<hr/>				
GOVERNMENTAL AFFAIRS MANAGER	T.E. Danese			
<u>Alternate:</u>				
Federal Regulatory Representative	W.G. Walker III			
<p>If the GAM or his alternate cannot be contacted, notify one of the following:</p>				
State Regulatory Representative	W.R. Ellis			
Governmental Affairs Advisor	T. Nichols			
<hr/>				
RISK DEPT. MANAGER	R.E. Hinds			
<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			

~~EXEMPT FROM DISCLOSURE~~  
~~10 CFR 2.100 INFORMATION~~

FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 5

APPENDIX A ECO CALL LIST  
OUTSIDE AGENCIES

~~EXEMPT FROM DISCLOSURE~~  
~~10-5-72 ECO INFORMATION~~

TITLE	NAME/ADDRESS	OFFICE PHONE	OFF HOURS OR EMER. PHONE
STATE WARNING PT., TALLAHASSEE Duty Warning Officer (BDP)	1720 Gadsden St. Tallahassee, FL 32301		
Alternates:			
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 Ops.		
U.S. DOE Radiation Emergency Assistance Center/Training Site (REAC/TS)	Oak Ridge Hosp. of the Methodist Church Oak Ridge, Tenn 37830		
Shands Teaching Hospital and Clinics (Contingent medical facility only)	University of Florida Gainesville, FL		(All hours)

~~EXEMPT FROM DISCLOSURE~~  
~~10-5-72 ECO INFORMATION~~

FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 6

APPENDIX A - ECO CALL LIST  
OUTSIDE AGENCIES

~~EXEMPT FROM DISCLOSURE~~  
~~IC 077 2700 INFORMATION~~

<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

Alternates:

1. Dave Richards

2. Bob Meyer

\*INSTITUTE FOR NUCLEAR POWER  
OPERATIONS, Duty Officer

1820 Water Place  
Atlanta, GA 30339

FOR TURKEY POINT:

Dade County Civil Defense Div. A.C. Fischer

Monroe County Civil Defense W.A. Wagner

FOR ST. LUCIE:

St. Lucie County Disaster  
Prep. Coordinator

P.J. Rodi

Martin County Disaster Prep.  
Coordinator

W. O'Brien

~~EXEMPT FROM DISCLOSURE~~  
~~IC 077 2700 INFORMATION~~

FLORIDA POWER AND LIGHT COMPANY  
OFFSITE EMERGENCY ORGANIZATION  
EMERGENCY ROSTER  
PROCEDURE 1301

Page 7

APPENDIX B

Other Useful Telephone Numbers

FACILITY:

PTP

PSL

TSC

EOF

Assembly

Florida City Substation

Conference:

Site Assembly Station/  
Weather Station

OFFICE

HOME

STAFF:

Plant Support

R.J. Acosta  
D.K. James  
W.A. Klein  
R. Li  
S.H. Shepherd

Licensing

J.E. Moaba  
P.L. Pace  
P.K. Green

Health Physics

J.L. Dazek  
J.J. Maisler  
H.D. Johnson  
R.A. Meck  
S.A. Kingsbury

~~EXEMPT FROM DISCLOSURE  
10 CFR 2.100 INFORMATION~~

~~EXEMPT FROM DISCLOSURE  
10 CFR 2.100 INFORMATION~~