

FLORIDA POWER AND LIGHT COMPANY
 TURKEY POINT UNITS 3 AND 4
 EMERGENCY PROCEDURE 20101
JUNE 10, 1982

1.0 Title:

DUTIES OF EMERGENCY COORDINATOR

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 6/10/82 Reviewed by PNSC June 10, 1982

Approved by D. H. Haase Plant Mgr-Nuclear, July 10 1982

Approved by J. W. Sullivan Vice President of Nuclear Energy 7. 21 19 82

2.2 List of Effective Pages:

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2	3/8/82	9	6/10/82	16	3/8/82	23	3/8/82
3	3/8/82	10	3/8/82	17	3/8/82	24	3/12/82
4	6/10/82	11	3/8/82	18	3/8/82	25	3/8/82
5	6/10/82	12	6/10/82	19	3/8/82	26	3/8/82
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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

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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 prompt classification of the emergency (in accordance with Emergency Procedure 20103) and 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).
- 4.3 During all exercises, drills or tests ALL messages shall begin and end with "This is a Drill" or "This is an Exercise".
- 4.4 Protective action recommendations to State and Local authorities cannot be delegated by the Emergency Coordinator. However, these recommendations become the responsibility of the Recovery Manager when the EOF is manned and operational.

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.
- 8.2 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 NAWAS. The initial notification shall include items of the Emergency Information Checklist.
- 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 duty call supervisor for any given week will be indicated in a letter signed by the Plant Manager and available in the Control Room. Each duty call supervisor's telephone number will be listed in the letter.

If Duty Call Supervisor is not available at listed phone, place beeper call by dialing on any PTP Bell phone switchboard extension as follows: 8-102-119-892. 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.

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- 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, NAWAS, 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. Upon a failure of the Emergency Notification System, immediately call the NRC commercially. Once the notification to the NRC via ENS, or commercially 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, NAWAS, 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.
- 8.10 Responsibility for Off-site Communications and Coordination shall be relinquished to the Emergency Control Officer when he establishes contact and assumes responsibility.
- 8.11 The Emergency Coordinator is responsible for providing Protective Action Recommendations to off-site authorities as indicated on "Protective Action Recommendations Checklist". When the Emergency Control Officer has indicated that the EOF is manned and operational, the Recovery Manager can relieve the Emergency Coordinator of this responsibility.

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 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 NAWAS, the State Warning Point at the Bureau of Disaster Preparedness in Tallahassee and communicate Emergency Information Checklist data. Alternate numbers are _____
- _____ 6. Within one hour notify NRC via ENS hot-line. Alternate numbers are _____ and _____. Upon a failure of the Emergency Notification System, immediately call the NRC commercially at _____. 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, and notify BDP via NAWAS if necessary.
- _____ 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.

ALERT CHECKLIST (Page 1 of 2)

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

- _____ 1. Direct initial corrective action to mitigate the problem and bring the plant to a safe, stable condition.

_____ Fire/Explosion - see attached Fire/Explosion Checklist and Emergency Procedure 20107

_____ Medical - see attached Medical Emergency Checklist
- _____ 2. If evacuation of an area is necessary, notify personnel of the emergency condition over the page system, initiate a local evacuation in accordance with Emergency Procedure 20109, Criteria For and Conduct of Local Evacuation. Announce the following:

Area Affected _____ Assembly Area _____
- _____ 3. Direct Nuclear Watch Engineer to mobilize interim Emergency Teams to respond as necessary.
- _____ 4. |Complete the attached Emergency Information Checklist|.
- _____ 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 |NAWAS|, the State Warning Point at the Bureau of Disaster Preparedness in |Tallahassee and communicate Emergency Information Checklist data. Alternate numbers are _____
- _____ 7. |If the State Warning Point at the Bureau of Disaster Preparedness was not notified by NAWAS, then notify|, by telephone, the Dade County Civil Defense Office in Miami _____ and communicate Emergency Information Checklist data. Off hours, call 596-8176 or 911.
- _____ 8. |If the State Warning Point at the Bureau of Disaster Preparedness was not notified by NAWAS, then 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.

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 _____ . Upon a failure of the Emergency Notification System, immediately call the Nrc commercially at 0550. Use the attached Appendix B to make the notification. Do not hang up until the NRC gives permission.
- _____ 13. Reassess the Emergency Classification and update the Emergency Information Checklist, and notify BDP via NAWAS with updated off-site dose information.
- _____ 14. Brief the Technical Support Center Supervisor (normally Technical Department Supervisor) on events. Direct him to provide State and County with periodic updates.
- _____ 15. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- _____ 16. 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.

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 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"|
|DELETED|
| (Relay Emergency Information Checklist data) |
"Acknowledge, over."
(If NAWAS is inoperable call BDP at

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 _____ 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. Activate the Operational Support Center.
- _____ 17. Within one hour notify NRC via ENS hot-line. Alternate numbers are _____ . Upon a failure of the Emergency Notification System, immediately call the NRC commercially at _____ Use the attached Appendix B to make the notification. Do not hang up until NRC gives permission.
- _____ 18. Reassess the Emergency Classification and update the Emergency Information Checklist and notify BDP via NAWAS with updated off-site dose information.
- _____ 19. 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).
- _____ 20. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- _____ 21. Relinquish Emergency Coordinator control and communications responsibilities to the Emergency Control Officer when he assumes the responsibilities.
- _____ 22. 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.

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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"

| (Relay Emergency Information Checklist Data) |

"Acknowledge, over."

(If NAWAS is inoperable, call BDP at _____)
- _____ 9. State Warning Point Acknowledgment Time: _____
 (NAWAS announcement also serves to notify Dade and Monroe Counties and the State Department of Health and Rehabilitative Services.)

GENERAL EMERGENCY CHECKLIST (Page 2 of 3)

- _____ 10. Complete Emergency Information Checklist including off-site dose projections using Emergency Procedure 20125, 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"
| (Relay Emergency Information Checklist data) |
"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.

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, -
- _____ 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. Activate the Operational Support Center.
- _____ 20. Within one hour notify NRC via ENS hot-line. Alternate numbers are Upon a failure of the Emergency Notification System, immediately call the NRC commercially at 0550. Use the attached Appendix B to make the notification. Do not hang up until NRC gives permission.
- _____ 21. 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.)
- _____ 22. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- _____ 23. Reassess the Emergency Classification and update the Emergency Information Checklist with the Technical Support Center Supervisor.
- _____ 24. Relinquish control and communications responsibilities to the Emergency Control Officer when he assumes the responsibilities.
- _____ 25. 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.

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TABLE 1
(Sheet 1 of 3)

EMERGENCY INFORMATION CHECKLIST
MESSAGE FORM FOR NOTIFICATION
TO THE STATE OF FLORIDA

DATE AND TIME OF MESSAGE _____

- | | | |
|---|--|---|
| 1. <u>SITE</u> | 2. <u>ACCIDENT CLASSIFICATION</u> | 3. <u>UNIT NUMBER(S)</u> |
| <input type="checkbox"/> B ST. LUCIE
<input type="checkbox"/> C TURKEY POINT | <input type="checkbox"/> A UNUSUAL EVENT
<input type="checkbox"/> B ALERT
<input type="checkbox"/> C SITE AREA EMERGENCY
<input type="checkbox"/> D GENERAL EMERGENCY | <input type="checkbox"/> A ONE (1)
<input type="checkbox"/> B TWO (2)
<input type="checkbox"/> C THREE (3)
<input type="checkbox"/> D FOUR (4) |

4. TIME AND DATE OF INCIDENT/EVENT: TIME _____ DATE _____

5. INCIDENT INVOLVES:

- | | |
|--|---|
| 6. <u>SITUATION INVOLVED:</u> | 7. <u>TYPE OF RELEASE IS:</u> |
| <input type="checkbox"/> A NO RELEASE
<input type="checkbox"/> B POTENTIAL (POSSIBLE) RELEASE
<input type="checkbox"/> C IMMINENT (PROBABLE) RELEASE
<input type="checkbox"/> D A RELEASE IS OCCURRING
<input type="checkbox"/> E A RELEASE THAT OCCURRED, BUT STOPPED | <input type="checkbox"/> A RADIOACTIVE GASEOUS
<input type="checkbox"/> B NON-RADIOACTIVE GASEOUS
<input type="checkbox"/> C RADIOACTIVE LIQUID
<input type="checkbox"/> D NON-RADIOACTIVE LIQUID
<input type="checkbox"/> E NON-APPLICABLE |

8. RECOMMENDED PROTECTION ACTIONS:
- A FOR INFORMATION ONLY - (UNUSUAL EVENT OR ALERT)
 - B PREPARE FOR POSSIBLE ACTION INVOLVING THE PUBLIC, TO INCLUDE NOTIFICATION. (ALERT OR SITE AREA EMERGENCY)
 - C NOTIFY PUBLIC TO TAKE THE FOLLOWING PROTECTIVE ACTIONS. (SITE AREA OR GENERAL EMERGENCY)

<u>NO ACTION</u>	<u>SHELTER</u>	<u>EVACUATE</u>	
<input type="checkbox"/>	<input type="checkbox"/> D	<input type="checkbox"/> H	0-2 MILE RADIUS (GASEOUS RELEASE)
<input type="checkbox"/>	<input type="checkbox"/> E	<input type="checkbox"/> I	2-5 MILES FOR SECTORS _____ (GASEOUS RELEASE)
<input type="checkbox"/>	<input type="checkbox"/> F	<input type="checkbox"/> J	5-10 MILES FOR SECTORS _____ (GASEOUS RELEASE)
	<input type="checkbox"/> G	<input type="checkbox"/> K	_____ MILES

L DISCONTINUE USE OF POTENTIALLY AFFECTED WATER IN _____ LOCATIONS

9. RELEASE IS:
- A CONTINUING - EXPECTED DURATION OR MAGNITUDE _____
 - B TERMINATED - APPROXIMATE DURATION OR MAGNITUDE _____

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TABLE 1
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EMERGENCY INFORMATION CHECKLIST

- 10. REPORT OF GASEOUS RELEASE IS: GROUND LEVEL
- 11. WIND SPEED: _____ MILES PER HOUR
- 12. WIND DIRECTION DATA (CHECK ONE, READ ACROSS)

	WIND FROM	DEGREES	WIND TOWARD	SECTORS AFFECTED
A	N	349-11	S	H J K
B	NNE	12-33	SSW	J K L
C	NE	34-56	SW	K L M
D	ENE	57-78	WSW	L M N
E	E	79-101	W	M N P
F	ESE	102-123	WNW	N P Q
G	SE	124-146	NW	P Q R
H	SSE	147-168	NNW	Q R A
J	S	169-191	N	R A B
K	SSW	192-213	NNE	A B C
L	SW	214-236	NE	B C D
M	WSW	237-258	ENE	C D E
N	W	259-281	E	D E F
P	WNW	282-303	ESE	E F G
Q	NW	304-326	SE	F G H
R	NNW	327-348	SSE	G H J

- 13. CURRENT OUTSIDE TEMPERATURE: _____ °F
- 14. WEATHER CONDITIONS (RAIN, SNOW, SLEET, ETC.): _____
- 15. TEMPERATURE DIFFERENCE (DELTA T): _____ °F
ELEVATION OF TEMP. DIFFERENCE MEASUREMENT: _____
STABILITY CLASS (IF KNOWN) _____

16. RELEASE DETECTED BY:

<input checked="" type="checkbox"/>	VISUAL		
<input type="checkbox"/>	SAMPLE RESULTS ARE:		
<input type="checkbox"/>	INSTRUMENTATION	LOCATION	RELEASE RATE (Ci/sec)
		_____	_____
		_____	_____

17. ACCIDENT RELATED INJURIES: NO YES NUMBER OF INJURIES _____

18. OTHER

INFORMATION: _____

19. MESSAGE REPORTED BY: _____
NAME ORGANIZATION TELEPHONE (OUTSIDE Δ)

20. MESSAGE RECEIVED BY: _____
YOUR NAME TIME DATE

CONTINUE TO NEXT PAGE FOR:

- 1) PLANT DUTY SUPERVISOR
- 2) EMERGENCY CONTROL OFFICER/RECOVERY MANAGER/NUCLEAR ENERGY DUTY OFFICER
- 3) DHRS RADIOLOGICAL DUTY OFFICER

TABLE 1
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EMERGENCY INFORMATION CHECKLIST

ADDENDUM TO MESSAGE FORM FOR NOTIFICATION TO THE STATE OF FLORIDA

-
1. DATE AND / /
TIME OF MESSAGE
2. ASSESSMENT OF THE _____
EMERGENCY (INCLUDING _____
POTENTIAL FOR ESCALATION _____
TO HIGHER CLASS) _____

3. BASIC DESCRIPTION OF THE EVENT _____

4. ESTIMATE OF RADIOACTIVE MATERIAL RELEASED (GASEOUS):
- NOBLE GASES: SOURCE TERM: _____ Ci/Sec
TOTAL RELEASE: _____ Ci
- RADIOIODINES: SOURCE TERM: _____ Ci/Sec
TOTAL RELEASE: _____ Ci
5. ESTIMATE OF PROJECTED OFFSITE DOSE RATES:

DISTANCE	*THYROID (mRem/hr)	WHOLE BODY (mRem/hr)
1 mile (site boundary)		
2 miles		
5 miles		
10 miles		

*Adult thyroid dose commitment - the accumulated dose body burden to an adult from inhalation of radioiodine for 1 hour duration.

PROTECTIVE ACTION RECOMMENDATIONS CHECKLIST

FPL is required to provide BDP with recommendations for protective actions to be taken by off-site 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 adhered to as described below.

The contents of the recommendations are to be determined by using figures A-1 through A-5 of this procedure as follows:

1. If the emergency has been classified as a GENERAL EMERGENCY and No Off-Site dose estimates or field survey results are available, refer to Figure A-1 through A-3 to evaluate off-site protective action recommendations.

NOTE: If a controlled release is necessary to stabilize plant conditions or an uncontrolled release is anticipated, determine the approximate source term and duration of the release and the projected off-site doses prior to making any protective action recommendations.

2. If the emergency has been classified, and the off-site doses are LESS THAN 0.5 Rem whole body or 1 Rem to the thyroid at 1 mile over the projected duration of the release, 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 recommends that you consider taking the following protective actions (PA) - NONE. This recommendation may change in the future, but we cannot now say when it may change or what it may change to."

NOTE: Off-site dose values are calculated from Emergency Procedure 20126, Off-site Dose Calculations, and/or field monitoring results.

3. If the emergency has been classified and off-site dose information is available (from any credible source), use the dose information to enter the appropriate estimated off-site table in Figure A-2 (PA with off-site dose estimates for greater than or equal to 2 hour duration) or Figure A-3 (PA with off-site dose estimates for less than 2 hour duration). The appropriate recommendations can then be made. For example, a release has occurred at the St. Lucie Plant with a projected duration of 2 hours, the wind direction is from the NNE and the projected off-site integrated (2 hr) thyroid dose is 10 Rem at 1 mile, 2 Rem at 2 miles, and less than 1 Rem at 5 miles. Referring to Figure A-2 (PA with off-site dose estimates for greater than or equal to 2 hours duration) the following recommendation should be made:

"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 between a 0 and 2 miles radius from the plant.
- (2) Shelter all personnel between a 2 and 5 mile radius from the plant who are in sectors J, K and L (refer to Emergency Information Checklist).

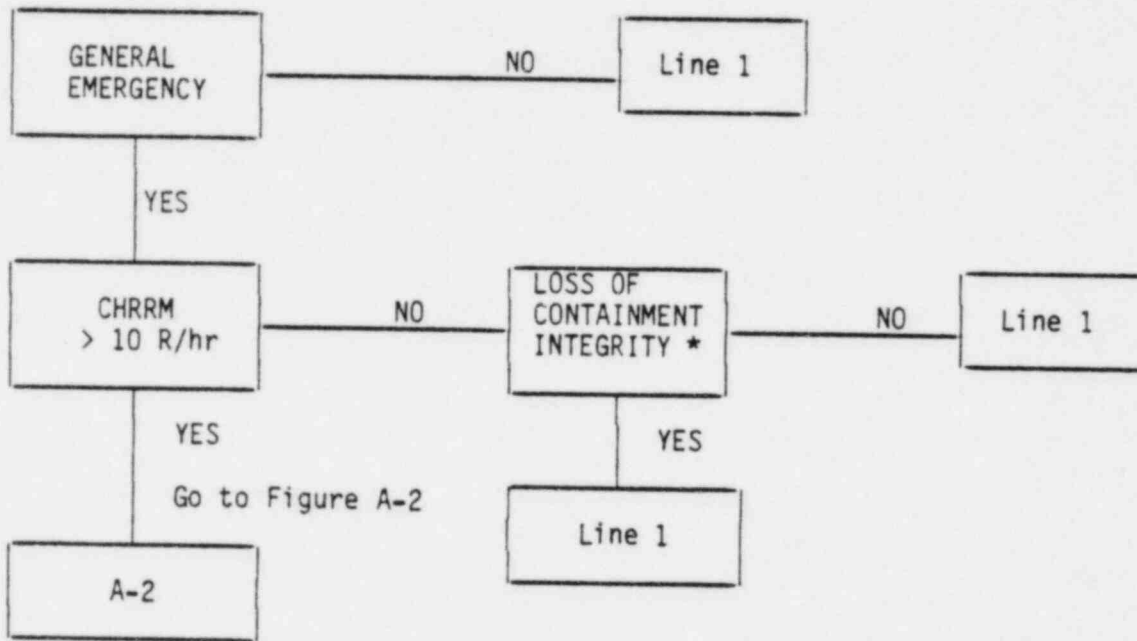
This recommendation may change in the future, but we cannot now say when it may change or what it may change to."

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4. When available, both plume calculations and off-site monitoring results should be evaluated when making these protective action recommendations. If significant discrepancies exist between field monitoring results and plume dispersion calculations, then an evaluation of the discrepancy should be made, and the appropriate value should be selected in the determination of protective action recommendations.
5. 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.
6. Protective action recommendations for a child have been incorporated into the figures.

FIGURE A-1

PROTECTIVE ACTION RECOMMENDATIONS BASED ON PLANT CONDITIONS
 (To Be Used Only When Off-Site Dose Projections Are Not Available)



<u>LINE</u>	<u>0-2 MILES</u>	<u>2-5 MILES</u>	<u>5-10 MILES</u>
1	N	N	N
2	S (CR)	S (DW)	N
3	E (CR)	E(DW) + S(RS)	E(DW) + S(RS)
4	E (CR)	E (CR)	E(DW) + S(RS)

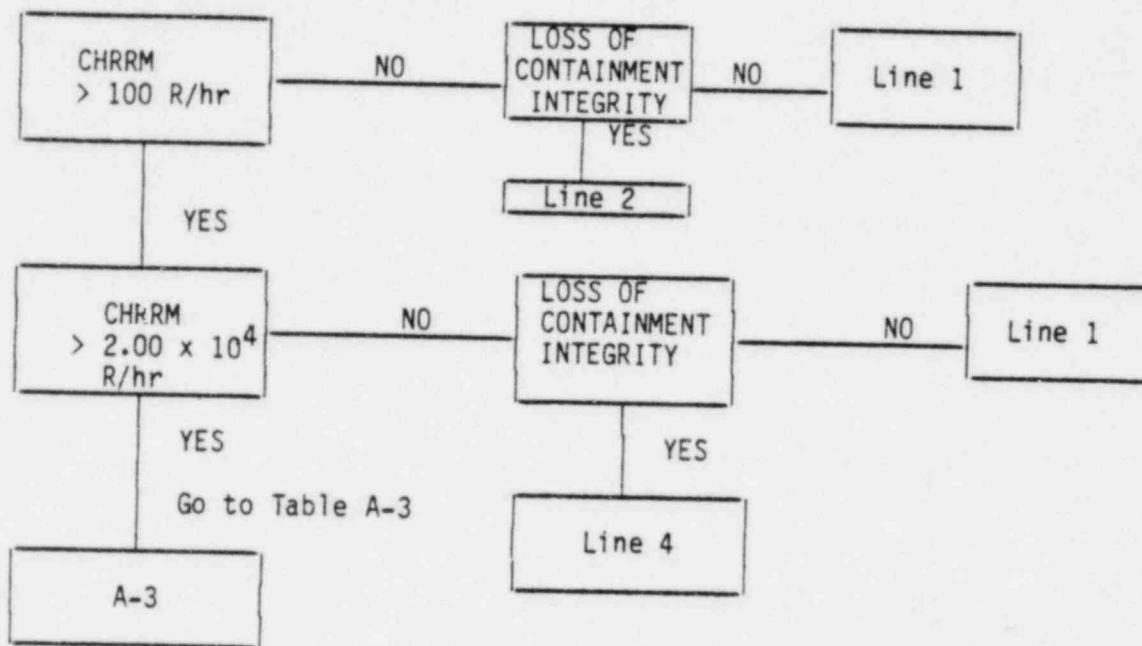
LEGEND OF ABBREVIATIONS

- N = No Protective Action Recommended
- S = Sheltering Recommended
- E = Evacuation Recommended
- DW = Downwind Sector + 2 Adjoining Sectors
- RS = Remaining Sectors
- CR = Complete Circle Around Plant at Specified Distance

*Loss of Containment Integrity assumes greater than allowable Technical Specification leakage but less than 400 times this value.

FIGURE A-2

PROTECTIVE ACTION RECOMMENDATIONS BASED ON PLANT CONDITIONS
 (To Be Used Only When Off-Site Dose Projections Are Not Available)



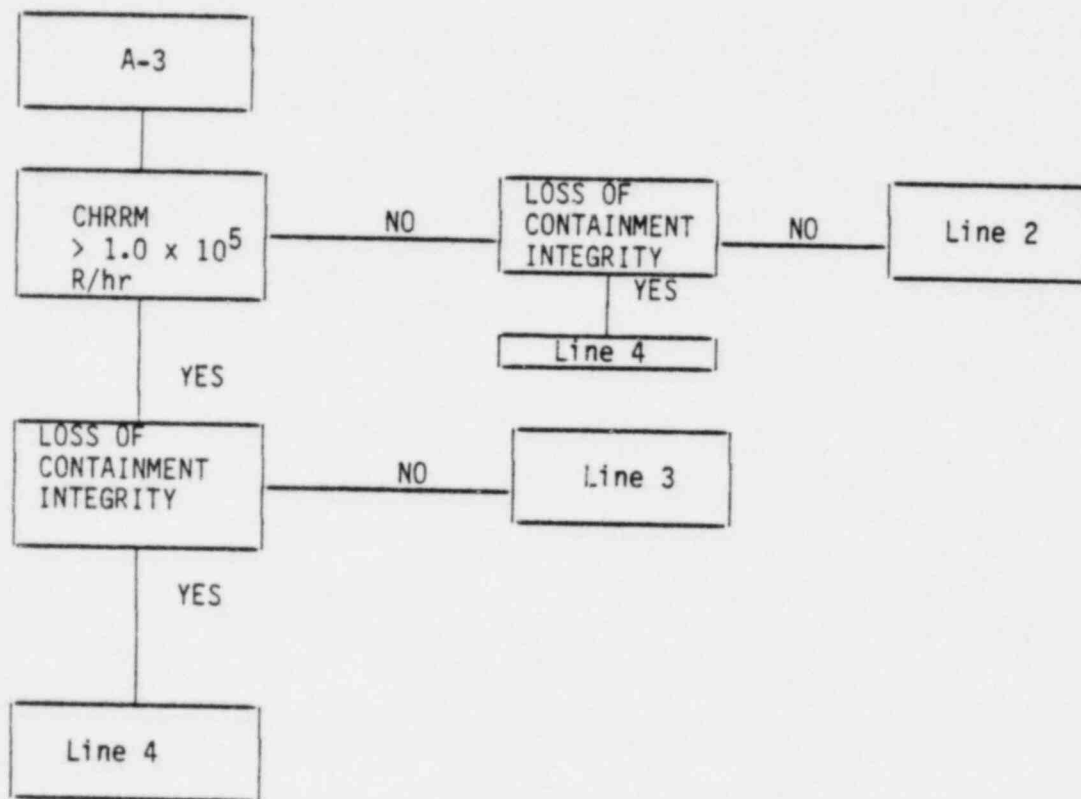
<u>LINE</u>	<u>0-2 MILES</u>	<u>2-5 MILES</u>	<u>5-10 MILES</u>
1	N	N	N
2	S (CR)	S (DW)	N
3	E (CR)	E(DW) + S(RS)	E(DW) + S(RS)
4	E (CR)	E (CR)	E(DW) + S(RS)

LEGEND OF ABBREVIATIONS

- N = No Protective Action Recommended
- S = Sheltering Recommended
- E = Evacuation Recommended
- DW = Downwind Sector + 2 Adjoining Sectors
- RS = Remaining Sectors
- CR = Complete Circle Around Plant at Specified Distance

FIGURE A-3

PROTECTIVE ACTION RECOMMENDATIONS BASED ON PLANT CONDITIONS
 (To Be Used Only When Off-Site Dose Projections Are Not Available)



<u>LINE</u>	<u>0-2 MILES</u>	<u>2-5 MILES</u>	<u>5-10 MILES</u>
1	N	N	N
2	S (CR)	S (DW)	N
3	E (CR)	E (DW) + S (RS)	E (DW) + S (RS)
4	E (CR)	E (CR)	E (DW) + S (RS)

LEGEND OF ABBREVIATIONS

- N = No Protective Action Recommended
- S = Sheltering Recommended
- E = Evacuation Recommended
- DW = Downwind Sector + 2 Adjoining Sectors
- RS = Remaining Sectors
- CR = Complete Circle Around Plant at Specified Distance

FIGURE A-4

PROTECTIVE ACTION RECOMMENDATIONS BASED ON ACTUAL RELEASE
 (GREATER THAN OR EQUAL TO 2 HOUR DURATION) WITH OFFSITE DOSE ESTIMATES

(used in preference to Figure A-1 through A-3)

WHOLE BODY DOSE (REM) OR THYROID DOSE (REM)		* DISTANCE RANGES		
		0-2 MILES; USE 1 MILE VALUE	2-5 MILES; USE 2 MILE VALUE	5-10 MILES; USE 5 MILE VALUE
< 0.5	< 1.0	N	N	N
≥ 0.5 but < 1.0	≥ 1.0 but < 5.0	S(CR)	S(DW)	S(DW)
≥ 1.0 but < 5.0	≥ 5.0 but < 25.0	E(CR)	E(DW) + S(RS)	E(DW) + S(RS)
≥ 5.0	≥ 25.0	E(CR)	E(CR)	E(DW) + S(RS)

NOTE:

If the duration of the release is projected to be less than 2 hours, use Figure A-5.

*The dose @ 1 mile affects protective actions from 0-2 miles

The dose @ 2 miles effects protective actions from 2-5 miles

The dose @ 5 miles effects protective actions from 5-10 miles

The dose @ 10 miles can be used to evaluate protective actions for greater distances.

LEGEND OF ABBREVIATIONS

- N - No protective action recommended
- S - Sheltering recommended
- E - Evacuation recommended
- DW- Downwind sector + 2 adjoining sectors
- RS- Remaining sectors
- CR- Complete circle around plant at specified distance

FIGURE A-5

PROTECTIVE ACTION RECOMMENDATIONS BASED ON ACTUAL RELEASE
 (LESS THAN 2 HOUR DURATION) WITH OFFSITE DOSE ESTIMATES
 (used in preference to Figure A-1 through A-3)

OR		*		
WHOLE BODY DOSE (REM)	THYROID DOSE (REM)	0-2 MILES; USE 1 MILE VALUE	2-5 MILES; USE 2 MILE VALUE	5-10 MILES; USE 5 MILE VALUE
< 0.5	< 1.0	N	N	N
> 0.5 but < 1.0	> 1.0 but < 5.0	S(CR)	S(DW)	S(DW)
> 1.0 but < 5.0	> 5.0 but < 25.0	S(CR)	S(CR)	S(CR)
≥ 5.0	≥ 25.0	E(CR)	E(DW) + S(RS)	E(DW) + S(RS)

NOTE:

If the duration of the release is projected to be less than 2 hours, use Figure A-4.

*The dose @ 1 mile affects Protective Actions
 from 0-2 miles

The dose @ 2 miles affects Protective Actions
 from 2-5 miles

The dose @ 5 miles affects Protective Actions
 from 5-10 miles

The dose @ 10 miles can be used to evaluate
 Protective Actions for greater distances.

LEGEND OF ABBREVIATIONS

- N - No protective action recommended
- S - Sheltering recommended
- E - Evacuation recommended
- DW- Downwind sector + 2 adjoining sectors
- RS- Remaining sectors
- CR- Complete circle around plant at specified distance

EMERGENCY PROCEDURE 20101, PAGE 23
DUTIES OF EMERGENCY COORDINATOR

FIRE OR EXPLOSION EMERGENCY CHECKLIST

TIME

- _____ Crossconnect page to all units and sound fire alarm.
- _____ Make page announcement: "This is not a drill. This is not a drill," and give the location and classification of the fire/explosion. Then announce, "All personnel in the fire area withdraw to a safe location."
- _____ Activate any other appropriate Emergency Teams - as needed
- _____ Dade County Fire Department - 911 See EP 20107 concerning when to call Dade County
- _____ HAFB Direct line to command post. (See EP 20107 concerning when to call HAFB)
- _____ Return to appropriate UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY checklist.

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
Site Manager	PAX	BELL
Plant Manager-Nuclear	PAX	BELL

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

RADIO (CHANNEL 1)	PAX	BELL
-------------------	-----	------

Nuclear Plant Supervisor should:

1. Determine mode of transportation based on nature and extent of injuries. (Ensure victim's TLD, selfreader, ID badge and key card are retained on site).
 - a) Immediate life threatening condition.
DADE COUNTY FIRE RESCUE PHONE: _____
HOMESTEAD AIR FORCE BASE 3 and 4 Direct Tie Line Phone
 - b) Medical transportation for serious injury.
RANDLE EASTERN AMBULANCE PHONE: _____
BECHTEL AMBULANCE PHONE: _____
 - 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: 2
 - b) Radioactively contaminated victims send to:
See EP 20101 - Appendix A - "REEF Notification"
MT. SINAI HOSPITAL (primary) PHONE: _____
BAPTIST HOSPITAL (backup) PHONE: _____
(Radiation Protection Man should accompany the victim to the hospital)
3. If Site Manager not available, notify Administrative Assistant (PAX _____) or Duty Call Supervisor - See Emergency Roster. Site Manager and/or the Administrative Assistant will handle off-site notifications.

EMERGENCY PROCEDURE 20101, PAGE 25
DUTIES OF EMERGENCY COORDINATOR

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 _____.

EMERGENCY PROCEDURE 20101, PAGE 26
DUTIES OF EMERGENCY COORDINATOR

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 Emergency¹ _____

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)

¹Unusual 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): _____

Engineered Safety Feature 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 _____

EMERGENCY PROCEDURE 20101, PAGE 29
DUTIES OF EMERGENCY COORDINATOR

APPENDIX B (cont'd)

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

3. Security/Safeguards²

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: _____

²See 10 CFR 73.71 (c)

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20105
JUNE 24, 1982

1.0 Title:

ON-SITE SUPPORT CENTERS

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 6/24/82 Reviewed by PNSC June 24, 1982
Approved by J. W. Hassel for Plant Mgr-Nuclear, July 10 1982
Approved by J. W. Williams Vice President of Nuclear Energy 7-21 1982

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	6/24/82	3	3/26/81	5	3/26/81
2	3/26/81	4	6/24/82		

3.0 Scope:

3.1 Purpose:

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

3.2 Discussion:

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

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

EMERGENCY PROCEDURE 20105, PAGE 2
ON-SITE SUPPORT CENTERS

3.3 Description:

3.3.1 Interim Technical Support Center (TSC)

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

3.3.2 Operational Support Center (OSC)

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

4.0 Precautions:

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

5.0 Responsibilities:

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

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

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

6.0 References:

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

7.0 Records and Notifications:

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

8.0 Instructions:

8.1 Activation

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

8.2 Staffing

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

8.3 Radiological Supplies

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

8.4 Technical Data

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

8.5 Use of the Interim TSC

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

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

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

8.6 Use of the Operational Support Center

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

8.7 Deactivation

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

8.8 Alternate OSC

In the event that the OSC becomes untenable, the alternate O.S.C. will be the Nuclear I and C Building or other location designated by the Emergency Coordinator.

TABLE 1

TECHNICAL SUPPORT CENTER EMERGENCY EQUIPMENT

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

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20106
JUNE 10, 1982

1.0 Title:

NATURAL EMERGENCIES

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 6/10/82 Reviewed by PNSC June 10, 1982

Approved by [Signature] Plant Mgr-N, July 10 1982

Approved by [Signature] Vice President of
Nuclear Energy 7-21 1982

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	6/10/82	4	2/4/82	7	3/26/81	10	3/26/81
2	3/26/81	5	6/10/82	8	3/26/81	11	3/26/81
3	3/26/81	6	6/10/82	9	3/26/81	12	3/26/81

3.0 Scope:

3.1 Purpose:

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

3.2 Discussion:

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

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

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

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

3.3 Authority:

Turkey Point Plant Emergency Plans

3.4 Definitions:

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

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

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

4.0 Precautions:

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

5.0 Responsibilities:

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

6.0 References:

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

7.0 Records and Notifications:

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

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

8.0 Instructions:

NOTE: If a hurricane or tornado warning is received, notify the Nuclear Plant Supervisor that an "unusual event" has occurred.

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

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

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

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

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

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

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

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

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

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

8.3 When any tornado strikes the facility:

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

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

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

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

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

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

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

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

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

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

(1) Outside Doors:

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

(2) Roof hatches:

RHR pump removal hatches
Evaporator Condensate Demineralizers
Monitor Tanks
Radwaste Building

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

By the Unit 3 4160V Switchgear Room entrance
By the Diesel Oil Storage Tank Dike Area
By the Unit 3 and Unit 4 Main Transformers
By the Unit 4 Steam Generator Feed Pump Room
By the Unit 4 Blowdown Tank
On the entrance to the Unit 3 Comp. Cool Water Pump Area
On the entrance to the Unit 4 Comp. Cool Water Pump Area
By the Unit 3 and Unit 4 New Fuel Storage Area
By the Unit 3 and Unit 4 Lube Oil Reservoir
On the entrance to the Unit 3 and Unit 4 Condenser Pits
On the entrance to the Unit 3 and Unit 4 Spent Fuel Pit Heat
Exchanger Rooms
On the entrance to the Aux. Building Chemical Storage Area
3. Tie down, remove, or otherwise secure all loose equipment, such as ladders, fire extinguishers and hose reels, waste containers, life rings, etc.
4. Store all chemical drums in the chemical warehouse, and oil drums in the oil house and/or chemical warehouse.
5. Verify that the gas cylinders in both gas cylinder storage houses are properly secured.
6. Remove vortex eliminators from the intake area, and clean the trash pit.
7. Dog the intake area gantry crane, the cask crane and the turbine deck gantry crane.
8. Install life lines between important operating areas of the plant in case personnel must be sent to these areas during high winds.
9. Provide tarpaulins and ropes at various locations throughout the auxiliary building; also have on hand in the control center and cable spreading room an ample supply of plastic film (pliofilm).
10. Ensure that mechanics and electricians will be available at the plant during the emergency.
11. Provide portable dewatering pumps at Condensate Pump Areas, Units 3 and 4.

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NATURAL EMERGENCIES

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

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

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

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

APPENDIX A

480 VOLT RECEPTACLE LIST

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

APPENDIX A (cont'd)

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

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

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

NOTE 3: Power supply to trash compactors

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

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20201
JUNE 3, 1982

1.0 Title:

MAINTAINING EMERGENCY PREPAREDNESS - RADIOLOGICAL EMERGENCY PLAN TRAINING

2.0 Approval and List of Effective Pages:

2.1 Approvals:

Change dated 6/3/82 Reviewed by PNSC June 3, 1982

Approved by [Signature] Plant Mgr-Nuclear, June 7 1982

Approved by [Signature] Vice President of Nuclear Energy 7-21- 1982

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	6/3/82	3	3/26/81	5	6/3/82
2	3/26/81	4	3/26/81		

3.0 Scope:

3.1 Purpose:

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

3.2 Discussion:

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

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

3.3 Authority:

Turkey Point Plant Radiological Emergency Plan

3.4 Definition:

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

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MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

4.0 Precautions

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

5.0 Responsibilities:

5.1 The Plant Manager - Nuclear has the overall responsibility for Emergency Plan Training.

5.2 The Training Supervisor is responsible for ensuring all Emergency Plan Training is conducted in accordance with the references listed herein.

5.3 The primary team leader of each emergency team is responsible for the development and implementation of his team's training and retraining program. He may assign competent individuals to assist him in accomplishing this task.

5.4 The Operations Superintendent - Nuclear is responsible for the development and implementation of the Emergency Coordinator training and retraining program. He may assign competent individuals to assist him in accomplishing this task.

5.5 The Training Supervisor is responsible for development and implementation of Emergency Plan Training of all candidates for reactor operator or senior reactor operator licenses.

5.6 The Health Physics Supervisor shall provide for training all individuals requiring unescorted access onsite describing the action to be taken by an individual discovering an emergency condition, the location of assembly areas, the identification of emergency alarms, and the action to be taken on hearing those alarms.

6.0 References

6.1 Turkey Point Plant Radiological Emergency Plan

6.2 10 CFR 50.47

6.3 10 CFR 50 Appendix E

6.4 NUREG 0654, Revision 1

7.0 Records and Notifications:

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

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MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

8.0 Instructions:

8.1 Emergency Coordinator Training

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

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

8.2 Other Operational Assistance

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

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

8.3 Shift Technical Advisor

All Shift Technical Advisors shall receive the following annual training:

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

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MAINTAINING EMERGENCY PREPAREDNESS
RADIOLOGICAL EMERGENCY PLAN TRAINING

8.4 Emergency Teams

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

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

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

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

1. Emergency Radiation Team

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

2. Security Team

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

3. First Aid/Decontamination Team

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

6/3/82

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

- (3) Allowable and advisable radiation environments and exposures.
- (4) Personnel decontamination procedures.
- (5) Procedures for the evacuation of contaminated persons to off-site medical facilities.
- (6) All team members will satisfactorily complete the American National Red Cross Multi-Media First Aid Course. Each team member will receive yearly refresher training.

4. Fire Team

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

5. Recovery and Restoration and Re-entry Teams

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