FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20101
SEPTEMBER 27, 1982

1.0 Title:

DUTIES OF EMERGENCY COORDINATOR

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 9/27/82 Reviewed by PNSC September 27, 1982

Approved by [signature] Plant Mgr-Nuclear, 10/5/1982

Approved by [signature] Vice President of Nuclear Energy 10-6 1982

2.2 List of Effective Pages:

| Page | Date | Page | Date | Page | Date | Page | Date |
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| 1 | 9/27/82 | 8 | 9/27/82 | 15 | 3/8/82 | 22 | 3/8/82 |
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| 4 | 9/27/82 | 11 | 9/27/82 | 18 | 9/27/82 | 25 | 9/27/82 |
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| | | | | | | 29 | 3/8/82 |

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 Plant Supervisor - Nuclear 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 |or TSC| and becomes familiar with the emergency. The Plant Supervisor - Nuclear will then concentrate on control of the |unit|.

3.3 Authority:

Turkey Point Plant Radiological Emergency Plan

4.0 Precautions:

4.1 The Plant Supervisor - Nuclear and the shift operating staff represent the first-line of response to any developing emergency condition. The primary responsibility of the Plant Supervisor - Nuclear 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 should 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 Plant Supervisor - Nuclear 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 the Reactor Control 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. |The Emergency Coordinator has the responsibility for the overall conduct of emergency operations and will ensure that input from the Technical Support Center is incorporated in decisions affecting these operations|.

6.0 References

6.1 Turkey Point Plant Radiological Emergency Plan

6.2 Emergency Procedure 20103, Classification of Emergencies

6.3 Emergency Procedure 20126, |Off-Site| Dose Calculations

6.4 |Emergency Procedure 20107, Fire/Explosion Emergencies

6.5 Emergency Procedure 20104, Emergency Roster

6.6 Emergency Procedure 20110, Criteria for and Condcut of Owner Controlled Area Evacuation|

7.0 Records and Notifications:

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

8.0 Instructions:

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

8.2 Then the Plant Supervisor - Nuclear 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 Plant Supervisor - Nuclear shall declare an emergency and become the Emergency Coordinator. |DELETED|

8.3 |Then the Emergency Coordinator shall station himself in the Control Room until the duties of the Emergency Coordinator have been assumed by a member of the plant management staff and/or the Technical Support Center has been activated. He shall then 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.

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 |the State Warning Point (SWP) at BDP and Dade and Monroe 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 Emergengency 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 SWP at BDP, and Dade and Monroe 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.

8.12 |De-escalation from a Site Area Emergency or a General Emergency is the responsibility of the Emergency Control Officer.

NOTE: The ECO will consult with the Emergency Coordinator, Recovery Manager, State and Local Officials prior to de-escalation|.

## 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 1-904-488-1320 and 1-904-488-5757.

_____ 6. Within one hour notify NRC via ENS hot-line. Upon a failure of the ENS alternate numbers 1-202-951-0550 and 1-301-427-4056 and 1-301-492-7000 are to be used. 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 the SWP at 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 1-904-488-1320 and 1-904-488-5757.

_____ 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 (596-8700 or 911), and communicate Emergency Information Checklist data. Off hours, call 596-8176 or 911.

NOTE: If 911 is called, request to speak to Watch Commander or Shift Supervisor.

_____ 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 (1-294-9581), and communicate Emergency Information Checklist data. Off hours, call 1-296-2424.

_____ 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 |the| 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 1-1-202-951-0550 and 301-427-4056 and 1-301-492-7000. 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 |the SWP at| 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 |the| 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 |the| Technical Support Center Supervisor.

_____ 16. |Relinquish control and communication responsibilities to the Emergency Control Officer when he assumes the responsibilities|.

_____ 17. When the plant conditions no longer meet the definition of an alert or any other emergency condition, so notify the ECO and |the SWP at| BDP by telephone. |This notification may be made from 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| verify and |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 1-904-488-1320 or 1-904-488-5757)

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 257-8425, 257-8426 or 257-8427) 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 |tne| 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. |Upon a failure of ENS, alternate numbers 1-202-951-0550 and 1-301-427-4056 and 1-301-492-7000 are to be used|. 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.

|NOTE: The ECO is responsible for de-escalation from a Site Area or General Emergency|.

## 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 |the| Security Team Leader to evacuate Owner Controlled Area and to report personnel accountability as soon as possible.

_____ 7. Direct |the| 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 verify and 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 1-904-488-1320 or 1-904-488-5757)

_____ 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 20126, |Off-Site| Dose Projection.

_____ 11. Make NAWAS Announcement:

"State Warning Point Tallahassee, this is Turkey Point."
(State Warning Point |will| verify |and| 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, 257-8425, 257-8426 or 257-8427.

_____ 17. Verify from |the| Security Team Leader that Owner Controlled Area Evacuation is complete and that all personnel are accounted for.

_____ 18. Order |the| 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. |Upon a failure of ENS, alternate numbers 1-202-951-0550 and 1-301-427-4056 and 1-301-492-7000 are to be used|. 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.

|NOTE: The ECO is responsible for de-escalation from a Site Area or General Emergency|.

TABLE 1
(Sheet 1 of 3)

EMERGENCY INFORMATION CHECKLIST

MESSAGE FORM FOR NOTIFICATION
TO THE STATE OF FLORIDA

DATE AND TIME OF MESSAGE _____ _____

1. SITE

[C] TURKEY POINT

2. ACCIDENT CLASSIFICATION

[A] UNUSUAL EVENT
[B] ALERT
[C] SITE AREA EMERGENCY
[D] GENERAL EMERGENCY

3. UNIT NUMBER(S)

[C] THREE (3)
[D] FOUR (4)

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

5. INCIDENT INVOLVES: _____

6. SITUATION INVOLVED:

[A] NO RELEASE
[B] POTENTIAL (POSSIBLE) RELEASE
[C] IMMINENT (PROBABLE) RELEASE
[D] A RELEASE IS OCCURRING
[E] A RELEASE THAT OCCURRED, BUT STOPPED

7. TYPE OF RELEASE IS:

[A] RADIOACTIVE GASEOUS
[B] NON-RADIOACTIVE GASEOUS
[C] RADIOACTIVE LIQUID
[D] NON-RADIOACTIVE LIQUID
[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)

| NO ACTION | SHELTER | EVACUATE | |
|---|---|---|---|
| [ ] | [D] | [H] | 0-2 MILE RADIUS (GASEOUS RELEASE) |
| [ ] | [E] | [I] | 2-5 MILES FOR SECTORS _____ (GASEOUS RELEASE) |
| [ ] | [F] | [J] | 5-10 MILES FOR SECTORS _____ (GASEOUS RELEASE) |
| | [G] | [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 _____

TABLE 1
(Sheet 2 of 3)

EMERGENCY INFORMATION CHECKLIST

10. REPORT OF GASEOUS RELEASE IS: [A] 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: [A] _____ °F

14. WEATHER CONDITIONS (RAIN, SNOW, SLEET, ETC.): _____

15. TEMPERATURE DIFFERENCE (DELTA T): [A] _____ °F
ELEVATION OF TEMP. DIFFERENCE MEASUREMENT: _____
STABILITY CLASS (IF KNOWN) _____

16. RELEASE DETECTED BY:
[A] VISUAL
[B] SAMPLE RESULTS ARE: _____
[C] INSTRUMENTATION — LOCATION — RELEASE RATE (Ci/sec)
_____ _____
_____ _____
_____ _____

17. ACCIDENT RELATED INJURIES: [A] NO [B] 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
(Sheet 3 of 3)

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 recommendtions 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."

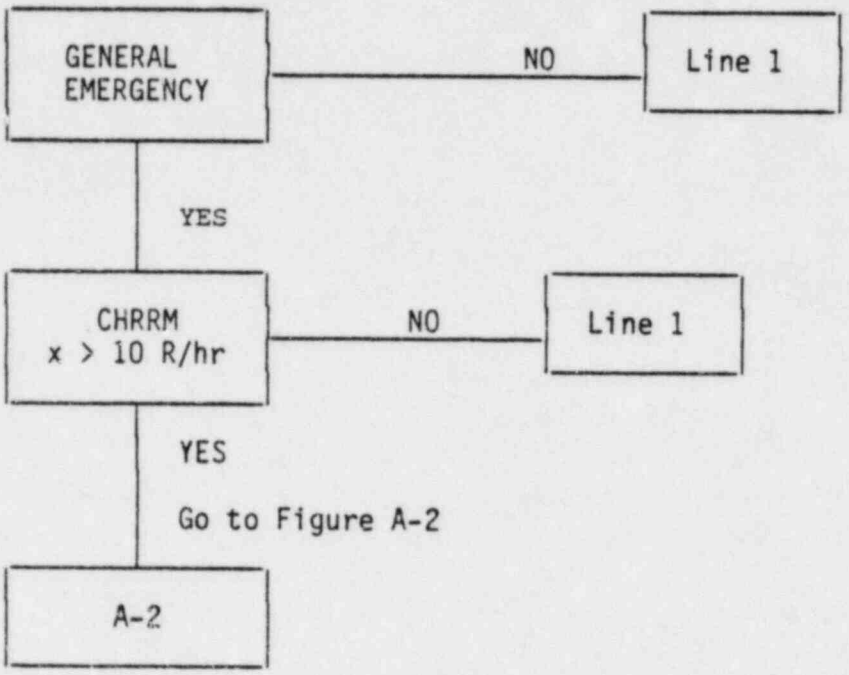
4. When available, both plume calculations and off-site monitoring results should be evaluated when making these protective action recommendations. If significant discrepancies exist between field monitoring results and plume dispersion calculations, then an evaluation of the discrepancy should be made, 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)




| LINE | 0-2 MILES | 2-5 MILES | 5-10 MILES |
|---|---|---|---|
| 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) |

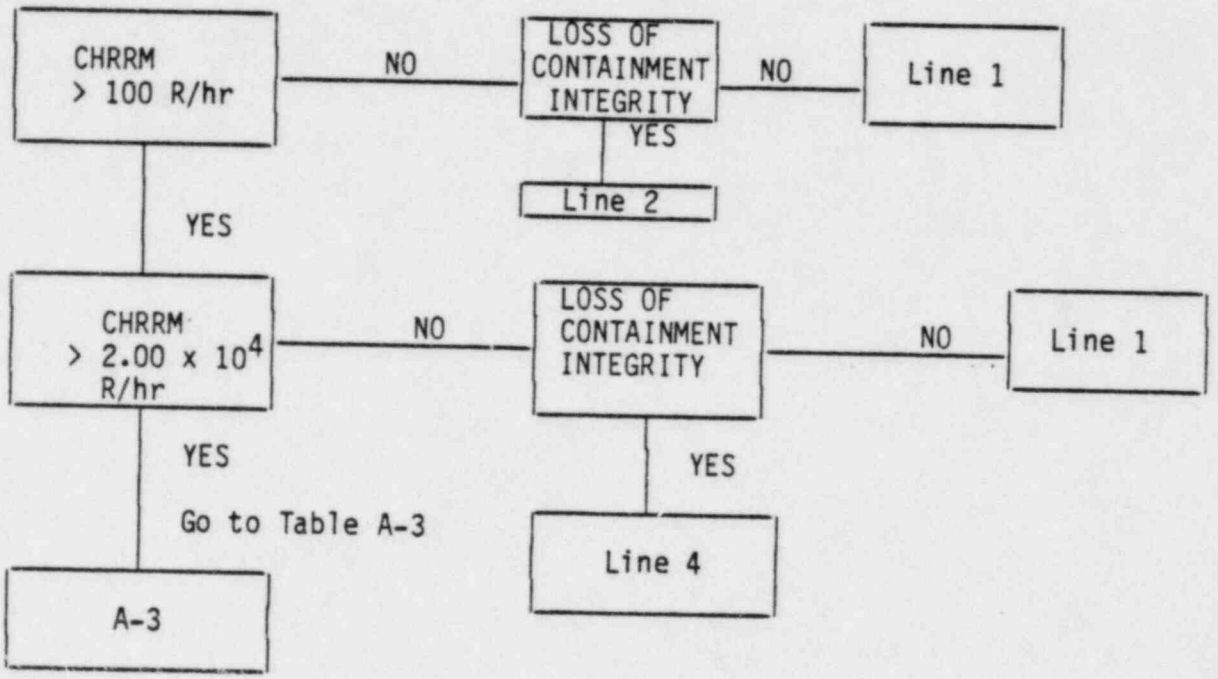
LEGEND OF ABBREVIATIONS

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

|DELETED|

## FIGURE A-2

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



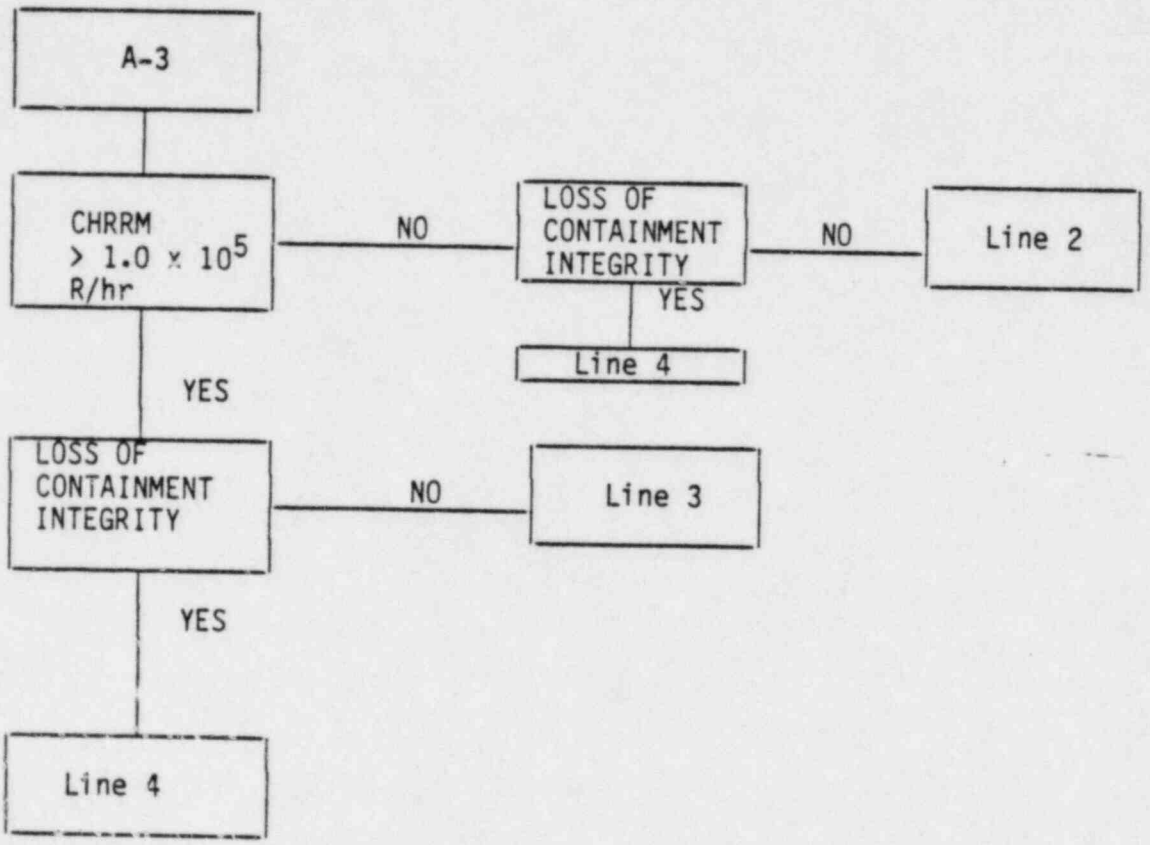

| LINE | 0-2 MILES | 2-5 MILES | 5-10 MILES |
|---|---|---|---|
| 1 | N | N | N |
| 2 | S (CR) | S (DW) | N |
| 3 | E (CR) | E(DW) + S(RS) | E(DW) + S(RS) |
| 4 | E (CR) | E (CR) | E(DW) + S(RS) |

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)




| LINE | 0-2 MILES | 2-5 MILES | 5-10 MILES |
|---|---|---|---|
| 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) | * 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)

| WHOLE BODY DOSE (REM) | OR | 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

## FIRE OR EXPLOSION EMERGENCY CHECKLIST

TIME

_____ Crossconnect page to all units and sound fire alarm.

_____ Make page announcement: "There is a reported fire/explosion in Unit 3 or 4 (give which unit it is)." Then give specific location and classification of the fire/explosion twice. Then announce "All personnel in the fire area withdraw to a safety 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 215/216/380/381 on Bell phone or 171/169/312 on PAX phone).

NOTIFY:

| | | | |
|---|---|---|---|
| _____ | Health Physics | PAX 308/170 | BELL 220/217 |
| _____ | Site Manager | PAX 213 | BELL 370 |
| _____ | Plant Manager-Nuclear | PAX 214 | BELL 355 |

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

| | | |
|---|---|---|
| RADIO (CHANNEL 1) | PAX 207 | BELL 383 |

_____ Plant Supervisor - Nuclear 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: 911 or 324-4100
   HOMESTEAD AIR FORCE BASE 3 and 4 Direct Tie Line Phone

   b) Medical transportation for serious injury:
   If injured is not contaminated - PHONE: 911
   If contaminated -
   RANDLE EASTERN AMBULANCE PHONE: 642-6400
   BECHTEL AMBULANCE PHONE: 6-308 OR 246-1300 EXT. 30

   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: 251-2500

   b) Radioactively contaminated victims send to:
   See EP 20101 - Appendix A - "REEF Notification"
   MT. SINAI HOSPITAL (primary) PHONE: 673-2183
   BAPTIST HOSPITAL (backup) PHONE: 271-6024
   (Radiation Protection Man should accompany the victim to the hospital)

3. If Site Manager not available, notify Administrative Assistant (PAX 212 or BELL 369) 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:_____

Meterology (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[1]_____

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)

[1]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):_____

|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_____

APPENDIX B (cont'd)

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

3. Security/Safeguards[2]

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:_____

_____

_____

[2]See 10 CFR 73.71 (c)

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20102
SEPTEMBER 23, 1982

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 9/23/82 Reviewed by PNSC September 23, 1982

Approved by D. H. Hasse for Plant Mgr-Nuclear, 10/5/1982

Approved by C. DeWoody for Vice President of Nuclear Energy 10-6 1982

2.2 List of Effective Pages:

| Page | Date | Page | Date | Page | Date |
|---|---|---|---|---|---|
| 1 | 9/23/82 | 2 | 9/23/82 | 3 | 9/23/82 |

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. |DELETED|

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 radition 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.
7. |An emergency at the Plant is classified as an Unusual Event, an Alert, a Site Area Emergency, or a General Emergency|.

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 |Plant Supervisor - Nuclear| 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:

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

An individual who discovers an emergency condition shall|:

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, |contamination or radiation|. Do not attempt to move serously injured or unconscious personnel unless failure to act will obviously place the victim in grave danger.

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 |Plant Supervisor - Nuclear| 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 |If the if possibility of radioactive contamination exists, remain in a safe area until monitored or directed otherwise by the Plant Supervisor - Nuclear|.

8.6 Follow instructions issued by the |Plant Supervisor - Nuclear| (Emergency Coordinator).

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20103
SEPTEMBER 27, 1982

1.0 Title:

CLASSIFICATION OF EMERGENCIES

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 9/27/82 Reviewed by PNSC September 27, 1982

Approved by D.H. Hasse for Plant Mgr-Nuclear, 10/5/ 1982

Approved by C.O. Woody Jr. Vice President of Nuclear Energy 10-6 1982

2.2 List of Effective Pages:

| Page | Date | Page | Date | Page | Date | Page | Date |
|---|---|---|---|---|---|---|---|
| 1 | 9/27/82 | 4 | 9/27/82 | 7 | 9/27/82 | 10 | 9/27/82 |
| 2 | 9/27/82 | 5 | 9/27/82 | 8 | 9/27/82 | 11 | 9/27/82 |
| 3 | 9/27/82 | 6 | 9/27/82 | 9 | 9/27/82 | 12 | 9/27/82 |
| | | | | | | 13 | 9/27/82 |

3.0 Scope:

3.1 Purpose:

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

3.2 Discussion:

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

Unusual Event
Alert
Site Area Emergency
General Emergency

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

3.3 Authority:

This procedure implements the Turkey Point Plant |Radiological| Emergency Plans.

3.4 Definitions:

3.4.1 Unusual Event - This classification is represented by off-normal events or conditions at the Plant for which no significant degradation of the level of safety of the plant has occurred or is expected. Any releases of radioactive material which have occurred or which may be expected are minor and constitute no appreciable health hazard.

3.4.2 Alert - This classification is represented by events which involve an actual or |potential| degradation of the level of safety of the plant combined with a potential for limited uncontrolled radioactivity from the plant.

3.4.3 Site Area Emergency - This classification is composed of events which involve actual or likely major failures of plant functions needed for protection of the public combined with a potential for significant uncontrolled releases of radioactivity from the plant.

3.4.4 General Emergency - This classification is composed of events which involve actual or imminent substantial core degradation and potential loss of containment integrity combined with a likelihood of significant uncontrolled releases of radioactivity from the plant.

4.0 Precautions:

4.1 Conflicting Information:

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

4.2 Judgmental Decision:

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

5.0 Responsibilities:

5.1 Plant Personnel

All plant personel are required to promptly report the existence of an emergency condition to the |Plant Supervisor - Nuclear| by the fastest means possible.

5.2 |Plant Supervisor - Nuclear|

5.2.1 The |Plant Supervisor - Nuclear| shall promptly classify off-normal situations into one of the four defined categories.

5.2.2 If the diagnosis indicates that the condition is classified as an Unusual Event, Alert, Site Area Emergency, or General Emergency the |Plant Supervisor - Nuclear| shall follow the instructions in Emergency Procedure 20101, Duties of Emergency Coordinator.

5.2.3 If an emergency has been declared the |Plant Supervisor - Nuclear| shall become the Emergency Coordinator and retain this position until relieved.

6.0 References:

6.1 Turkey Point Plant |Radiological| Emergency Plan

6.2 Emergency Procedure 20102, Duties of an Individual Who Discovers an Emergency Condition

6.3 Emergency Procedure 20101, Duties of Emergency Coordinator

7.0 Records and Notifications:

None

8.0 Instructions:

8.1 The |Plant Supervisor - Nuclear| should initially classify a situation within 15 minutes of the time he has become aware of it. The initial classification shall be made on the basis of readily available observations and should not rely on laboratory analyses, measurements, or calculations which would require more than 15 minutes to perform.

8.2 If subsequent information of a more detailed nature (e.g., sampling results) becomes available after the initial classification has been made, the event shall be reclassified by the Emergency Coordinator if appropriate.

8.3 The |Plant Supervisor - Nuclear (Emergency Coordinator)| shall classify events in accordance with the attached Classification Tables. The event shall be classified by matching the actual situation to the one most closely approximating it in the Classification Table.

NOTE: Within fifteen minutes after the initial classification, the state and/or local agencies listed in the appropriate check list in Emergency Procedure 20101, Duties of the Emergency Coordinator |must be notified. Within one hour after the initial classification, the NRC Operations Center in Bethesda, Maryland must be notified|.

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **1. PRIMARY DEPRESSURIZATION - ECCS INITIATED MANUALLY OR AUTOMATICALLY** | | | |
| Flow as indicated on FI-*-943 (VP-B) | | | |
| **2. PRIMARY DEPRESSURIZATION - FAILURE OF A PRIMARY SAFETY OR RELIEF VALVE TO CLOSE** | | | |
| Sustained increased temperature on TI-*-465, 467, 469 or indication of flow through safeties on TEC flow indicators. | | | |
| **3. PRIMARY DEPRESSURIZATION - FAILURE OF SECONDARY SAFETY OR RELIEF VALVE TO CLOSE** | | | |
| Any 2 of following 3:<br><br>Rapid and continuous decrease in steam generator pressure; rapid RCS cooldown; audible steam relief noise lasting for longer than 10 minutes. | | | |
| **4. PRIMARY DEPRESSURIZATION - ABNORMAL PRIMARY LEAK RATE** | | | |
| (1) RCS water inventory balance indicates leakage of > [illegible] GPM from an unidentified source;<br>OR<br>(2) RCS water inventory balance indicates leakage of > 10 GPM;<br>OR<br>(3) RCS water inventory balance indicates leakage to a connecting closed system >30 GPM but < 50 GPM | RCS Water inventory balance indicates leakage >50 gpm by:<br>(1) Decreasing pressurizer level with all charging pumps running<br><br>OR<br><br>(2) Mismatch of >50 GPM between charging and letdown (including controlled leakage) | (1) Pressurizer low pressure reactor trip or RCS pressure decreasing uncontrollably<br><br>AND<br><br>High containment pressure, or sump level, or radiation level.<br><br>AND<br><br>Steam pressure in one steam generator not significantly lower than other two.<br><br>OR<br><br>(2) Rapid decrease in RCS pressure with subcooled margin < 30°F. | Containment pressure is >20 psig and a LOCA has occurred or is in progress. |
| **ACTION** | | | |
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| | **5. PRIMARY DEPRESSURIZATION - ABNORMAL PRIMARY/SECONDARY LEAK RATE** | | |
| PRMS R-15 alarming and RCS water inventory balance indicates leakage >10 GPM. | (1) A gross failure of one steam generator tube has occurred with a loss of offsite power as indicated by:<br><br>Loss of Voltage to both 4160 V busses and one of the following:<br>(a) Valid alarm on PRMS R-15 or R-19,<br>(b) Decreasing RCS pressure or pressurizer level,<br>(c) Increasing water level in affected steam generator.<br><br>(2) A rapid failure of steam generator tubes has occurred (leak of several hundred GPM) as indicated by:<br><br>Valid alarm on R-15 or R-19 and no significant increase in containment sump level with one of the following:<br>(a) rapidly decreasing RCS pressure,<br>(b) reactor trip on low pressurizer pressure,<br>(c) safeguards initiation on low pressurizer pressure,<br>(d) one steam generator level increasing rapidly. | A rapid failure of steam generator tubes with a loss of offsite power has occurred as indicated by:<br><br>Loss of voltage to both 4160V busses with:<br><br>(1) no significant increase in containment sump level or high range radiation and;<br>(2) a valid alarm on PRMS R-15 or R-19 or one steam generator's level increasing and;<br>(3) one of the following: reactor trip on low pressurizer pressure, RCS pressure decreasing uncontrollably, or safeguards initiation on low pressurizer pressure. | A release has occurred or is in progress resulting in 1 R/hr whole body or 5 R/hr thyroid at site boundary.* (1 mile) |
| | **6. PRIMARY DEPRESURIZATION - STEAM BREAK** | | |
| Increasing containment pressure or unusually loud noise outside containment<br><br>AND<br><br>Steam pressure is abnormally lower in one steam generator, or high steam flow in coincidence with low $T_{avg}$ (543°), or low steam generator pressure (600 psig) in at least two of the three steam generators. | RCS water inventory shows >10 GPM leak OR a valid alarm on PRMS R-15 or R-19<br>AND<br>one of the following three:<br>(1) High steamline differential safety injection with:<br>(a) High Containment Pressure or<br>(b) High Containment Radiation or<br>(c) Audible indication of Steam Break outside containment. OR<br>(2) High Steam flow with low $T_{avg}$ or low steam generator pressure OR<br>(3) High Steam Flow Safety injection with failure of MSIV. | High RCS I-131 activity** or PRMS R-20 alarming and PRMS R-15 or R-19 significantly above alarm point and 1 of the following 2:<br><br>(1) High steamline delta P Safety Injection and high containment pressure with either high containment radiation or alarm on PRMS R-15 or R-19.<br>OR<br>(2) High steam flow and low $T_{avg}$ or steam flow Safety Injection with PRMS R-15 or R-19 alarming. | A release has occurred or is in progress resulting in 1 R/hr whole body of 5 R/hr thyroid at site boundary (1 mile).* |

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations computations.

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations computations.

| ACTION | | | |
|---|---|---|---|
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **7. ABNORMAL RCS TEMPERATURE AND/OR PRESSURE** | | | |
| (1) Core subcooling determined to be zero by one of following three:<br>(a) Subcooled margin monitor,<br>(b) Graph with RCS pressure and highest loop temperature,<br>(c) Pressurizer temperature, and highest RCS temperature<br>OR<br>(2) $T_{avg} \geq$ 620°F OR<br>(3) RCS Pressure > 2535 psig OR<br>(4) RCS Pressure <1770 psig with valid core exit thermocouple ≥ 620°F. | | | |
| **8. COOLANT PUMP SEIZURE WITH FUEL DAMAGE** | | | |
| | RCS flow decreasing rapidly and PRMS R-20 alarming and RCS I-131 activity ≥ 300 uCi/ml | A release has occurred or is in progress resulting in 50 mR/hr whole body for 1/2 hour or 500 mR/hr whole body for 2 minutes at site boudary (1 mile).* | A release has occurred or is in progress resulting in 1 R/hr whole body or 5 R/hr thyroid at the site boudary* (1 mile) |
| **9. FUEL HANDLING ACCIDENT** | | | |
| Fuel damage has occurred or is imminent as indicated by:<br>(1) Notification from the fuel handling crew that a spent fuel assembly has been dropped or damaged,<br>AND<br>(2) Any of the following ARMS channels alarming: R-2, 5, 7, 8, 19, 21, 22,<br>OR<br>(3) PRMS R-12 or R-14 alarming. | Major damage has occured to one or more spent fuel assemblies as indicated by:<br>(1) Notification from fuel handling crew of major damage (e.g. large object damages fuel, water level below top of fuel) and<br>(2) Any of the following ARMS channels significantly above the the alarm point: R-2, 5, 7, 8, 18, 19, 21, 22 or<br>(3) PRMS R-12 or R-14 significantly above the alarm point | A release has occurred or is in progress resulting in 1 R/hr whole body or 5 R/hr thyroid at the site boundary (1 mile).* | |

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations

| ACTION | | | |
|---|---|---|---|
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **10. LOSS OF SAFE SHUTDOWN FUNCTIONS** | | | |
| | (1) Failure of reactor protection system to initiate and complete a scram which brings the reactor subcritical as indicated by reactor remaining critical after trip signal is initiated.<br>OR<br>(2) RHR system not operable or inability to sustain forced or natural circulation as indicated by:<br><br>Increasing RCS temperature as seen on wide range loop temperature recorders or core exit thermocouples and<br><br>(a) RHR pumps not running or<br>(b) No flow indicated on FI-*-605 or<br>(c) No flow on loop flow indicators. | (1) A transient has occurred requiring operation of shutdown systems with failure to bring reactor subcritical with control rods and no core damage immediately evident. (e.g. PRMS R-20 not alarming)<br>OR<br>(2) Loss of function needed for hot shutdown:<br><br>(a) Scram system inoperable or<br>(b) Condenser dumps, atmospheric dumps, and steam generator safeties inoperable or<br>(c) No normal and auxiliary feed water flow or<br>(d) Inability to makeup to the RCS (inadequate high pressure injection). | Reactor remains critical after transient induced trip signal is initiated and<br><br>(1) RCS pressure > safety valve settings<br>OR<br>(2) Containment pressure or temperature increasing rapidly. |
| **11. FUEL ELEMENT FAILURE** | | | |
| (1) PRMS R-20 alarming<br>AND<br>(2) RCS I-131 activity is between 100 times normal and 300 uCi/ml. (Normal I-131 activity range is approximately $10^{-3}$ to $10^{-2}$ uCi/ml. | (1) RCS sample shows I-131 activity > 300 uCi/ ml<br>OR<br>(2) PRMS R-20 significantly above alarm point and laboratory analysis shows an increase greater than 1% fuel failures in 30 minutes or a total fuel failure of 5%.* | Core damage with inadequate core cooling determined by:<br><br>(1) RCS I-131 activity ≥300 uCi/ml<br>AND<br>(2) RCS $T_{hot}$ > 620°F or core exit thermocouple > 700°F. | Loss of 2 of 3 fission product barriers with a potential for loss of the third barrier:<br><br>(1) Known LOCA as defined in Site Area Emergency and fuel failure as defined in Unusual Event with containment pressure increasing to design limits or in containment cooling has been lost.<br>OR<br>S/G tube break as defined in Alert (but no loss of offsite power) with clad damage as defined in Unusual Event and imminent failure of MSIV.<br>OR |

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

| ACTION | | | |
|---|---|---|---|
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **11. FUEL ELEMENT FAILURE (continued)** | | | |
| | | | (2) Known LOCA as defined in Site Area Emergency with:<br>(a) containment failing to isolate OR<br>(b) containment pressurized > design limits<br>OR<br>S/G tube break as defined in Alert class with:<br>(a) Steam break between containment and MSIV<br>OR<br>(b) Downstream break with failure of MSIV<br>WITH EITHER<br>Loss of ECCS or loss of all AC or PCS $T_{hot}$ >620°F (Core exit thermocouple > 700°F) and increasing<br><br>OR<br><br>(3) Clad damage as defined in Unusual Event and loss of ECCS capability with 1 of 3 following:<br>(a) Containment integrity lost<br>OR<br>(b) Steamline break downstream of MSIV with failure of MSIV<br>OR<br>(c) Steamline break between containment and MSIV. |
| **12. EMERGENCY COORDINATOR DISCRETION** | | | |
| Emergency Coordinator's judgment that plant conditions exist which warrant increased awareness on the part of the operating staff and/or local, offsite authorities<br>OR<br>require plant shutdown in accordance with Tech. Spec. requirements or involve other than normal controlled shutdown. | Emergency Coordinator's judgment that plant conditions exist which warrant precautionary activation of the Technical Support Center and placing near-site Emergency Operations Facility and other key emergency personnel on standby. | Emergency Coordinator's judgment that plant conditions exist which warrant activation of emergency centers and monitoring teams or a precautionary notification to the public near the site. | Emergency Coordinator's judgment that plant conditions exist which make release of large amounts of radioactivity, in a short period of time, possible (e.g. any core melt situation). |
| **ACTION** | | | |
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **13. UNCONTROLLED EFFLUENT RELEASE** | | | |
| A release has occurred or is in progress which is greater than the Tech. Spec. limit as indicated by PRMS R-14 alarming and reading > $2.5 \times 10^5$ cpm (approximately 5 times the alarm set point. | A release that has occurred or is in progress which is greater than 10 times the Tech. Spec. limit as indicated by the plant vent NMC in the alarm condition and reading significantly greater than alarm point (approximately 40,000 cpm),<br>AND<br>PRMS R-14 should be alarming and pegged off scale high. | A release has occurred or is in progress resulting in 50 mR/hr whole body or 250 mR/hr thyroid for 1/2 hour or 500 mR/hr whole body or 2500 mR/hr thyroid for 2 minutes at the site boundary* (1 mile) or Containment High Range Radition Monitor $\geq 1.3 \times 10^4$ R/hr. | A release has occurred or is in progress resulting in 1 R/hr whole body or an integrated dose of 5R thyroid at site boundary* (1 mile) or Containment High Range Radiation Monitor $\geq 1.3 \times 10^5$ R/hr. |
| **14. HIGH RADIATION LEVELS IN PLANT** | | | |
| (1) Any valid and unexpected area monitor alarm with meter near or greater than full scale deflection ($10^3$ mR/hr)<br><br>OR<br><br>(2) Unexpected plant iodine or particulate airborne concentration> 1000 MPC as per 10 CFR 20 Appendix C, Table I, as seen in routine surveying or sampling. | | | |

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations

| ACTION | | | |
|---|---|---|---|
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| 15. OTHER SIGNIFICANT EVENTS THAT COULD LEAD TO CORE MELT | | | |
| | | | (1) A known LOCA as defined in Site Area Emergency and failure of ECCS to deliver flow to the core has occurred resulting in clad damage as indicated by containment area monitors PRMS R 1-3 or R 3-6 or Containment High Range Radiation Monitor alarming.<br>OR<br>(2) Reactor trip on low steam generator levels with wide range levels decreasing toward zero with one of the following two:<br>(a) Loss of main condenser, loss of auxiliary feed flow (with high head Safety Injection capability), OR<br>(b) Loss of main condenser, loss of auxiliary feed flow and no high head Safety Injection capability and 30 minutes has elapsed with no low head Safety Injection capability or auxiliary feed flow.<br>OR<br>(3) A known LOCA as defined in Site Area Emergency has occurred and one of following 2:<br>(a) RHR flow indicator is FI-* 605 reads zero for 1/2 hour after recirculation phase is attempted and PCS temperature is rising OR<br>(b) Failure of containment spray and emergency coolers to prevent containment temperature from rising excessively. |
| ACTION | | | |
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **16. LOSS OF POWER CONDITIONS** | | | |
| Sustained Loss of offsite power or onsite AC power capability as indicated by:<br><br>(1) Respective supply breakers open<br><br>OR<br><br>(2) Voltage and/or amp meters indicate zero. | (1) Loss of offsite and onsite AC power capability as indicated by:<br><br>(a) 4kV bus "A" and "B" low voltage alarms<br><br>OR<br><br>(b) 4kV bus "A" and "B" voltage and amp meters reading zero<br><br>OR<br><br>(c) All supply breakers open with failure of emergency diesel generators to power their respective 4kV bus either automatically or by manual action from the Control Room. See NOTE #1.<br><br>OR<br><br>(2) Loss of all vital onsite D.C. power as indicated by DC load trouble alarms on all D.C. busses or decreasing voltage on all D.C. busses below alarm point. See NOTE #1. | (1) Loss of offsite power and loss of onsite A.C. power capability for > 15 minutes as indicated by:<br><br>(a) 4kV bus "A" and "B" low voltage alarms for > 15 minutes<br><br>OR<br><br>(b) 4KV bus "A" and "B" voltage and amp meters reading zero for > 15 minutes<br><br>OR<br><br>(c) All supply breakers open and both emergency diesel generators fail to power their respective 4 kV bus either automatically or by manual action from the Control Room or Local Control Board. See NOTE #1<br><br>OR<br><br>(2) Loss of all vital onsite D.C. power for >15 minutes as indicated by D.C. load center trouble alarms or voltage decreasing below the alarm point on all D.C. busses. See NOTE #1. | Loss of offsite power and loss of onsite A.C. power capability as defined in Alert, with loss of all feedwater capabilities for > 1 hour. |

NOTE 1: An Alert should be declared as soon as a loss of power is experienced. A Site Area Emergency should be declared if the loss lasts for > 15 min., or if the Emergency Coordinator leaves the Contol Room during the first 15 minutes.

| 17. LOSS OF CONTAINMENT INTEGRITY | | | |
|---|---|---|---|
| Violation of containment integrity as defined in Section 1.5 of Technical Specifications unless the reactor is in the cold shutdown condition; or violation of containment Integrity as defined in Section 1.5 of Technical Specfictions when the reactor vessel head is removed unless the reactor is in the refueling shutdown condition. | | | |
| ACTION | | | |
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **18. CONTAMINATED PERSONNEL** | | | |
| Transportation of contaminated injured individual(s) from the site to an offsite facility. | | | |
| **19. LOSS OF ASSESSMENT FUNCTIONS** | | | |
| Significant loss of effluent monitoring capability, meteorological instruments, communications, etc., which impairs ability to perform emergency assessement. | Most or all annunciator alarms lost with plant not at cold shutdown during transient conditions and inability to immediately restore power to annunciators. | All annunciator alarms lost for > 15 minutes and a plant transient has been initiated or is in progress. | |
| **20. NATURAL PHENOMENA** | | | |
| (1) Notification by the weather bureau of a hurricane warning or tornado sighted in the Owner Controlled Area<br>OR<br>(2) Any earthquake felt or detected on installed seismic instrumentation.<br>OR<br>(3) Hurricane surges or floods that limit access to the site. | (1) Notification by the weather bureau of the approach of a hurricane with winds up to design basis (225 mph) levels OR any tornado striking plant structures.<br>OR<br>(2) Any earthquake that could cause, or already caused shutdown of turbine generator and/or reactor.<br>OR<br>(3) Any flood or hurricane surge that raises the water level to at or near the design level of 18 feet above M.L.W. | Plant not in a cold shutdown condition and any one of the following three:<br>(a) Notification by the weather bureau of the approach of a hurricane with winds > 225 mph.<br>OR<br>(b) Any earthquake that causes shutdown of turbine generator and/or reactor coupled with degradation of safety systems.<br>OR<br>(c) Flood or hurricane surge, that is > design level of 18 feet and causes shutdown of turbine generator and/or reactor with degradation of safety systems. | A major internal or external event (e.g. fires, earthquakes, plane crashes) has occurred, which could cause massive common damage to plant systems resulting in any of the other General Emergency initiating conditions. |
| **21. HAZARDS TO STATION OPERATION** | | | |
| (1) Any aircraft crash on-site or unusual aircraft activity over facility<br>OR<br>(2) On-site explosion<br>OR<br>(3) Toxic or flammable gas release near or on-site could threaten personnel<br>OR<br>(4) Rapid turbine shutdown due to turbine generator failure. | (1) Aircraft crash on-site involving plant structures<br>OR<br>(2) Missile impacts from any source involving plant structures or components<br>OR<br>(3) Damage to plant structures or components from an explosion<br>OR<br>(4) Detection by portable instrumentation, or notification from off-site sources that gases greater than their toxic or flammable limits have entered the facility.<br>OR<br>(5) Turbine shutdown with observation of casing penetration. | Plant not at cold shutdown<br>AND<br>(a) Aircraft crash resulting in damage to vital structures or components by impact or fire,<br>OR<br>(b) Missile impact or explosion resulting in damage to safety systems<br>OR<br>(c) Entry of gases greater than their toxic or flammable limits into control or vital areas and which renders one train of a safety related system inoperable. | |
| **ACTION** | | | |
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

CLASSIFICATION TABLE (cont'd)

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|---|---|---|---|
| **22. SECURITY THREAT** | | | |
| Security contingency resulting in initiation of PIP security contingency plan. | Security threat that has caused initiation of security contingency plan and adversaries comandeering an area of the plant but not having control over shutdown capability or of any vital area as defined in the PIP security procedures. | Physical attack on the plant involving imminent occupancy of the control room or other vital areas. | Physical attack on the plant resulting in occupation of control room or other vital areas. |
| **23. CONTROL ROOM EVACUATION** | | | |
| | Evacuation of control room anticipated or required with control of shutdown systems established from local stations. | Evacuation of control room and control of shutdown systems not established from local stations in 15 minutes. | |
| **24. FIRE** | | | |
| (1) Uncontrolled fire onsite lasting longer than 10 minutes<br>OR<br>(2) Fire requiring offsite support | Uncontrolled fire, potentially affecting safety systems and requiring offsite support. | Fire resulting in degradation of safety systems. | |
| **25. LOSS OF ENGINEERED SAFTY FEATURES/FIRE PROTECTION SYSTEMS** | | | |
| Loss of any equipment listed in the Technical Specifications Section 3.4 requiring plant shutdown; or loss of any instrumentation listed in Technical Specifications Section 3.5 requiring plant shutdown; or loss of any fire protection systems listed in Technical Specifications Section 3.14; and inability to make these systems operable within the specified time limits of Technical Specification 3.14. | | | |
| **ACTION** | | | |
| Complete actions listed on the UNUSUAL EVENT CHECKLIST. | Complete actions listed on ALERT CHECKLIST. | Complete actions listed on SITE AREA EMERGENCY CHECKLIST. | Complete actions listed on GENERAL EMERGENCY CHECKLIST. |

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

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20104
SEPTEMBER 27, 1982

1.0 Title:

EMERGENCY ROSTER

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 9/27/82 Reviewed by PNSC September 27, 1982

Approved by D W Haase FOR Plant Mgr.-Nuc 10/5/1982

Approved by C Dewey Jr. Vice President of Nuclear Energy 10-6 1982

2.2 List of Effective Pages:

| Page | Date | Page | Date | Page | Date | Page | Date |
|---|---|---|---|---|---|---|---|
| 1 | 9/27/82 | 5 | 9/27/82 | 9 | 9/27/82 | 13 | 9/27/82 |
| 2 | 9/27/82 | 6 | 9/27/82 | 10 | 9/27/82 | | |
| 3 | 9/27/82 | 7 | 9/27/82 | 11 | 9/27/82 | | |
| 4 | 9/27/82 | 8 | 9/27/82 | 12 | 9/27/82 | | |

3.0 Scope:

3.1 Purpose:

This procedure provides the phone numbers of personnel involved with emergency response.

3.2 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plans.

4.0 Precautions:

None

5.0 Responsibilities:

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

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

6.0 References:

6.1 Turkey Point Plant Radiological Emergency Plan

6.2 Emergency Procedure 20105, Activation of the On-Site Support Centers

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
Site Manager
Plant Manager - Nuclear*
NRC Resident Inspector (R. Vogt-Lowell).....(387-1287)

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 asistance 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
Operations Superintendent-Nuclear*
Maintenance Superintendent-Nuclear*
Technical Supervisor*
I and C Supervisor*
Land Management Site Manager

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:

*For respective alternates, refer to "Appendix D".

Emergency Control Officer (
Site Manager (
Plant Manager - Nuclear (
NRC Resident Inspector (R. Vogt-Lowell).....(387-1287)

8.3.2 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. (Reference Emergency Procedure 20105, Activation of On-Site Support Centers).

8.3.3 Refer to Appendixes D and E.

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 (
Site Manager (
Plant Manager - Nuclear (
NRC Resident Inspector (R. Vogt-Lowell).....(387-1287)

8.4.2 For any Site Area Emergency which might require site evacuation, the Duty call Supervisor shall notify the following or his alternate unless he has already been notified or is on site:

Security Supervisor (Security Team Leader)

8.4.3 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. (Reference Emergency Procedure 20105, Activation of On-Site Support Centers).

8.4.4 Refer to Appendixes D and E.

8.5 General Emergency

8.5.1 For all General Emergencies, the Duty Call Supervisor shall notify the following or their alternates:

Emer. Control Officer (
Site Manager (
Plant Manager-Nuclear (
NRC Resident Insp. (R. Vogt-Lowell).....(387-1287)
Security Supervisor (Security Team Leader)...

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. (Reference Emergency Procedure 20105, Activation of On-Site Support Centers).

8.5.3 Refer to Appendixes D and E.

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.

8.8 Appendix D contains the TSC Emergency Response Staff Call List

8.9 Appendix E contains the OSC Emergency Response Staff Call List

## APPENDIX A

## DUTY CALL SUPERVISOR'S CALL LIST

| TITLE | NAME | PHONE/BEEPER | |
|---|---|---|---|
| | | HOME | OFFICE |
| Emergency Control Officer | | | |
| Nuclear Energy Officers | | | |

1. If the Emergency Control Officer or his alternates cannot be reached, the appropriate Nuclear Energy Duty Officer should be contacted. The appropriate Duty Officer will be one of those listed above and is listed on the Nuclear Energy Duty Officer Roster for the week involved.

EMERGENCY ROSTER

## APPENDIX A

## DUTY CALL SUPERVISOR'S CALL LIST

| NAME/TITLE | TELEPHONE |
|---|---|
| | |
| R. Vogt-Lowell<br>J. A. Agles | 387-1287<br>247-4583 |

## APPENDIX A

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

| TITLE | NAME | PHONE/BEEPER HOME |
|---|---|---|
| ADDITIONAL PLANT PERSONNEL WHO IT MAY BE APPROPRIATE TO CONTACT | | |
| Nuc. Operations Supv. | | |
| Startup Supt.-Nuclear | | |
| Plant Manager - Fossil | | |
| Oper. Supt. - Fossil | | |
| Plant Supervisor - Fossil Results | | |
| Maint. Supt. - Fossil | | |
| Plant Supervisor I - Fossil Operations | | |
| Plant Supv. - Nuc. | | |
| Plant Supv. - Nuc. | | |
| Plant Supv. - Nuc. | | |
| Plant Supv. - Nuc. | | |
| Plant Supv. - Nuc. | | |
| Plant Supv. - Nuc. | | |
| Plant Supv. - Nuc. | | |
| Quality Assurance - Turkey Point Plant | | |
| Plant Construction | | |

## APPENDIX B

## SECURITY TEAM LEADER'S CALL LIST

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

| TITLE | NAME/ADDRESS | TELEPHONE | |
|---|---|---|---|
| | | HOME | OFFICE |
| Land Management - Site Manager | | | |
| Alternates: | | | |

## APPENDIX C

## ADDITIONAL USEFUL NUMBERS

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

| FUNCTION | LOCATION | TELEPHONE |
|---|---|---|
| On Site Emergency Control Station | Turkey Point Units 3 and 4 Control Room | |
| On Site Emergency Control Station | Turkey Point Main Entrance Station | |
| Operational Support Center | South Assembly Room Administration Building | |
| | St. Lucie Plant Unit 1 | |
| General Office Info. (business hours only) | General Office | 552-3552 |
| Assembly Area, All Personnel | Florida City Substation 16100 SW 344 Street (Palm Drive) | |
| Technical Support Center | Turkey Point North and adjacent to IC Building | |
| Emergency Operations Facility | General Office Conference Dining Area | |
| Juno Office Building (Business Hours only) | Juno Beach | 1-863-2863 |

## APPENDIX C

## ADDITIONAL USEFUL NUMBERS (cont'd)

| ORGANIZATION | TELEPHONE |
|---|---|
| State Warning Point, Tallahassee<br>ALTERNATE | 1-904-488-1320<br>1-904-488-5757 |
| Nuclear Regulatory Commission<br>ALTERNATE NO. 1<br>ALTERNATE NO. 2<br>ALTERNATE NO. 3 | ENS Hot Line<br>1-202-951-0550<br>1-301-427-4056<br>1-301-492-7000 |
| Dade County Civil Defense<br><br>OFF HOURS | 596-8700 or<br>911 and ask for Shift Commander<br><br>596-8176 or<br>911 and ask for Shift Commander |
| Monroe County Disaster Preparedness<br>OFF HOURS | 1-294-9581<br>1-296-2424 |
| HAFB Command Post | Direct Line or<br>257-8425 or<br>257-8426 or<br>257-8427 |
| Dade County Fire Rescue | 324-4100 |
| Randle Eastern Ambulance | 642-6400 |
| Coral Reef General Hospital | 251-2500 |
| REEF Notification:<br>Mount Sinai Hospital (Primary)<br>Baptist Hospital (Backup) | <br>673-2183<br>271-6024 |
| Division Load Dispatcher<br>System Load Dispatcher | |
| U. S. Coast Guard Operations Center | 350-5611 |

## APPENDIX D

## TSC Emergency Response Staff Call List

| NAME | FUNCTION | TELEPHONE |
|---|---|---|
| | Emergency Coordinator | |
| | Alternate | |
| | TSC Supervisor | |
| | First Alternate | |
| | Second Alternate | |
| | Third Alternate | |
| | Fourth Alternate | |
| | Ops. Supt. - N. | |
| | First Alternate | |
| | Second Alternate | |
| | Third Alternate | |
| | Fourth Alternate | |
| | Fifth Alternate | |
| | Maint. Supt. - N. | |
| | First Alternate | |
| | Second Alternate | |
| | Third Alternate | |
| | QC Supv. | |
| | Alternate | |
| | Tech. Supp. Elec. | |
| | Alternate | |
| | Tech. Supp. Mech. | |
| | Alternate | |
| | Tech. Supp. I and C | |
| | Alternate | |
| | Tech. Supp. Projects | |
| | Alternate | |
| | Tech. Supp. Rx Eng. | |
| | Alternate | |
| | Alternate | |
| | Tech. Supp. Sys. Prot. | |
| | Alternate | |
| | Tech. Supp. Chem. | |
| | Alternate | |
| | Tech. Supp. Nuc. Tng. | |
| | Alternate | |
| | Tech. Supp. D.C. | |
| | Alternate | |
| | Tech. Supp. JPE Rep. | |
| | Alternate | |
| | Tech. Supp. Fire Prot. | |
| | Alternate | |
| | HP Supp. Team Lead. | |
| | Alternate/Team Member | |
| | HP Supp. Team Member | |
| | HP Supp. Team Member | |

APPENDIX D (cont'd)

TSC Emergency Response Staff Call List

| NAME | FUNCTION | TELEPHONE |
|---|---|---|
| | Chem. Supp. Team Member | |
| | Chem. Supp. Team Member | |
| | Plt. Data Comm. | |
| | Alternate | |
| | Tech. Supp. W Rep. | |
| | Alternate | |
| | Tech. Supp. Tech. Dept. Eng. Supv | |
| | Alternate | |
| | Corporate Communicator | |
| | Management Assistant | |
| | Off-Duty STA | |
| | Tech. Supp. Lead Engr. | |
| | Control Room Communicator | |
| | Alternate | |
| | Alternate | |

## APPENDIX E

## OSC Emergency Response Staff Call List

| NAME | FUNCTION | TELEPHONE |
|---|---|---|
| | OSC Supv. | |
| | Alternate | |
| | Sys. Prot. Engr. | |
| | Alternate | |
| | Mech. Team Leader | |
| | Alternate | |
| | Elec. Team Leader | |
| | Alternate | |
| | Chem. Team Leader | |
| | Alternate | |
| | I and C Team Leader | |
| | Alternate | |

NOTE 1: Additional staff members will be notified by the corresponding team leaders or by TSC staff members.

NOTE 2: Refer to Emergency Procedure 20105, Appendixes A and B for OSC Emergency Response Team Roster and Notifications Flowpath.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20105
SEPTEMBER 27, 1982

1.0 Title:

ACTIVATION OF THE ON-SITE SUPPORT CENTERS

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 9/27/82 Reviewed by PNSC September 24, 1982

Approved by [signature] FOR Plant Mgr-Nuclear, 10/5/1982

Approved by [signature] Vice President of Nuclear Energy 10-6 1982

2.2 List of Effective Pages:

| Page | Date | Page | Date | Page | Date |
|---|---|---|---|---|---|
| 1 | 9/27/82 | 6 | 9/27/82 | 11 | 9/27/82 |
| 2 | 9/27/82 | 7 | 9/27/82 | 12 | 9/27/82 |
| 3 | 9/27/82 | 8 | 9/27/82 | 13 | 9/27/82 |
| 4 | 9/27/82 | 9 | 9/27/82 | 14 | 9/27/82 |
| 5 | 9/27/82 | 10 | 9/27/82 | | |

3.0 Scope:

3.1 Purpose:

This procedure provides guidelines and responsibilities for activation and use of the on-site Technical and Operational Support Centers.

3.2 Discussion:

The activities of plant management, technical, engineering and operational 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 activating the Technical and Operational Support Centers is to provide bases where post-accident emergency planning can be conducted and required operational support personnel can assembly for potential duty. Both centers will be in close communication with the Control Room via the various communication lines available.

3.3 Description:

3.3.1 Technical Support Center (TSC)

The TSC is located just north and adjacent to the Nuclear I and C building with it's main entrance from the west. The TSC has been designed to accommodate a minimum of 25 persons including 5 NRC staff members.

3.3.2 Operations Support Center (OSC)

The OSC is located in the Administration Building in the South Assembly Room. Alternate location will be the Nuclear I and C Building or as designated by the Emergency Coordinator.

4.0 Precautions:

4.1 Radiological conditions in the Technical and Operational Support Centers shall be monitored when a radiological emergency exists.

4.2 The Emergency Coordinator shall recommend the evacuation of the OSC to the alternate location when radiological conditions warrant such action.

5.0 Responsibilities:

5.1 The Emergency Coordinator is responsible for ordering the activation of the TSC and OSC as specified in Emergency Procedure 20101. In addition, the Emergency Coordinator or his designee shall notify the Duty Call Supervisor as per Emergency Procedure 20104.

5.2 The Shift Technical Advisor (STA) is responsible for, under the directions of the Emergency Coordinator, activating the TSC by notifying the Technical Department Supervisor or his alternate.

5.3 The Technical Department Supervisor or his alternate is responsible for:

5.3.1 Assuming the duties of TSC Supervisor following his arrival at the TSC.

5.3.2 Procuring the emergency response staff necessary for the TSC and OSC, as shown on Appendix A of this procedure.

NOTE: For notifications flow path see Appendix B.

NOTE: TSC and OSC phone call lists are shown on Emergency Procedure 20104, Appendix D and E respectively.

5.3.3 Once TSC is properly staffed, the TSC Supervisor will be responsible for supervision of activities, reporting to the Emergency Coordinator, communicating with the Emergency Control Officer at the EOF and other locations as directed by the Emergency Coordinator. In addition, the TSC Supervisor should coordinate the efforts of the Emergency Management Center members with other support groups at the TSC.

5.4 The OSC Supervisor is responsible for:

5.4.1 Reporting to the Maintenance Superintendent or his designee.

5.4.2 Ensuring that corrective actions are carried out as instructed by the Maintenance Superintendent or his designee.

5.4.3 Providing feedback on results and actual conditions as reported by the support teams.

5.4.4 If instructed to evacuate the OSC, arranging the transfer of radiological equipment to the alternate location and assuring proper radiological protection (if needed) is given to personnel evacuating.

5.5 Each emergency response team member, as described in Appendix A, is responsible for reporting to the on-site support centers following notification.

5.6 The QC Department is responsible for ensuring that necessary records, documents, and drawings are maintained in the TSC or are available for use in Document Control.

6.0 References:

6.1 Turkey Point Plant Emergency Plan

6.2 Emergency Procedure 20101, Duties of the Emergency Coordinator

6.3 Emergency Procedure 20103, Classifications of Emergencies

6.4 Emergency Procedure 20104, Emergency Roster

6.5 Emergency Procedure 20125, On-Site Emergency Organization

6.6 Emergency Procedure 20112, Communications Network

6.7 Health Physics Procedure, HP-90, Inventory of Health Physics Emergency Equipment

7.0 Records and Notifications:

7.1 The TSC Supervisor or his designee should keep records listing actions, activities and other pertinent information with regard to the functions of the TSC.

8.0 Instructions:

8.1 Activation Criteria:

The following plant conditions, as declared by the Emergency Coordinator, will require the activation of the TSC and OSC:

ALERT
SITE EMERGENCY
GENERAL EMERGENCY

8.2 Staffing

The TSC and OSC emergency response staff is described in Appendix A of this procedure.

NOTE: Actual staffing will vary in accordance with the existent plant conditions or under the instructions of the Emergency Coordinator or his designee.

8.3 Duties:

8.3.1 TSC Support Groups:

Emergency Management Center - Under the direction of the Emergency Coordinator, plant management members will analyze plant conditions and data necessary to make accident recovery decisions. By means of communications with the Control Room, OSC and EOF, plant managmeent will coordinate emergency recovery actions. Status and events boards will be manned by a management assistant. These boards will reflect data and information pertinent to TSC activities.

Technical Support Group - Under the instructions of the TSC Supervisor, members of this group will research and recommend corrective actions based on actual plant conditions and proper expertise.

HP and Chemistry Support Group - Members of this group will monitor radiological conditions on/off-site and when warranted, make protective action recommendations to the Emergency Coordinator.

Corporate Communications Area - Personnel assigned to this area will relay plant conditions and data to off-site facilities via dedicated Omnifax and Notepad communication lines. Incoming messages detailing off-site activities will be given to the Emergency Coordinator.

Plant Data Communications - This area is composed of:

1. DDPS Operations

2. Dedicated phone lines to the Control Room.

DDPS Operations personnel will compile and distribute plant parameters and data to the TSC Support groups. Since additional data may be required, Plant Data Communications personnel will obtain such data from the Control Room Communicator.

8.3.2 Operations Support Center - Under the instructions of the OSC Supervisor, support personnel as described in Appendix A of this procedure, will implement corrective actions and provide field reports of equipment damage and conditions.

8.4 Radiological Supplies:

The TSC and OSC are provided with emergency radiological monitoring equipment, supplies, respiratory protective devices and protective clothing. For specific details refer to posted inventory lists at the TSC and OSC or HP-90. Refer to 5.4.4 for evacuation of the OSC.

8.5 Technical Data and Drawings:

Technical data and drawings are stored in the close vicinity of the TSC which facilitates retrieval for use.

8.6 Communication Lines:

For the TSC, Appendix D of this procedure provides a detailed list and locations for all communications equipment available. The operability for this equipment will be checked on a quarterly basis as described in Emergency Procedure 20112.

NOTE: Communication lines are being reviewed at this time for the OSC to ensure adequate links to perform emergency response duties. When completed, this procedure will be modified to include pertinent changes.

8.7 Deactivation of TSC and OSC:

Under the authority of the Emergency Coordinator, the TSC and OSC can be deactivated and secured when the emergency condition is downgraded to an Unusual Event or no longer constitutes an emergency.

9.0 Appendixes:

9.1 Appendix A - Emergency Response Teams Roster

9.2 Appendix B - Emergency Response Teams members notification flowpath

9.3 Appendix C - TSC Floor Plan

9.4 Appendix D - TSC phone list

## APPENDIX A

## Emergency Response Teams Roster

### Technical Support Center

Emergency Management Center

Plant Manager - Nuclear - to assume the Emergency Coordinator responsibilities.

ALTERNATE: Site Manager or his designee

Operations Superintendent - Nuclear

ALTERNATES:
- Health Physics Supervisor
- Operations Supervisor - Nuclear
- Training Supervisor - Nuclear
- Reactor Engineering Supervisor
- Chemistry Supervisor

Maintenance Superintendent - Nuclear

ALTERNATES:
- Assistant Superintendent Electrical - Nuclear
- Assistant Superintendent Mechanical - Nuclear
- I and C Supervisor - Nuclear

Technical Department Supervisor - to assume the TSC Supervisor responsibilities.

ALTERNATES:
- Shift Technical Advisor Engineer Supervisor
- Technical Support Engineer Supervisor
- System Performance Engineer Supervisor
- Plant Licensing Engineer Supervisor

Quality Control Supervisor

ALTERNATE: Q. C. Operations Inspector

Management Assistant - To be designated by the TSC Supervisor.

APPENDIX A (cont'd)

Technical Support Group

LEADER: To be designated by TSC Supervisor

MEMBERS:
Electrical Assistant Superintendent - Nuclear
Mechanical Assistant Superintendent - Nuclear
Projects - Assistant Superintendent
Reactor Engineering Supervisor
System Protection Supervisor
Chemistry Supervisor
Training Department Supervisor - Nuclear
Technical Department Engineer Supervisor - as designated by Technical Department Supervisor
I and C Supervisor
Juno Plant Engineering Staff Member
Westinghouse On-Site Representative
Document Control Supervisor
Fire Protection Supervisor (if applicable)
Plant Data Communicator - as designated by TSC Supervisor
Technical Dept. Technical Support Lead Engineer (if applicable)

Chemistry Support Group

Computer Supervisor
Radiochemist

Health Physics Support Group

LEADER: Health Physics Supervisor

MEMBERS:
(To be designated by Group Leader)
On-Site Monitoring Team Leader
Off-Site Monitoring Team Leader
Administrative Assistant

Corporate Communications - To be designated by the Nuclear Energy staff at the General Office.

Nuclear Regulatory Commission

In accordance with NUREG 0696, TSC will accommodate 5 NRC staff members.

APPENDIX A (cont'd)

Operational Support Center

Auxiliary Building Supervisor - To assume the OSC Supervisor responsibilities.

ALTERNATE: To be designated by Maintenance Superintendent - Nuclear

System Protection Engineer
Mechanical Maintenance Group:

Team Leader
6 Mechanics

Electrical Maintenance Group:

Team Leader
1 Chief
4 Electricians - Journeymen

I and C Group:

Team Leader - I and C Dept. Group Supv.
4 Specialists
1 Specialist - Digital

Chemistry:

Team Leader
*Technician (On-shift)

Health Physics

Team Leader
*10 Technicians for On-Site Monitoring
5 Technicians for Off-Site Monitoring

*1 H.P. Technician and 1 Chemistry Technician on-site at all times.

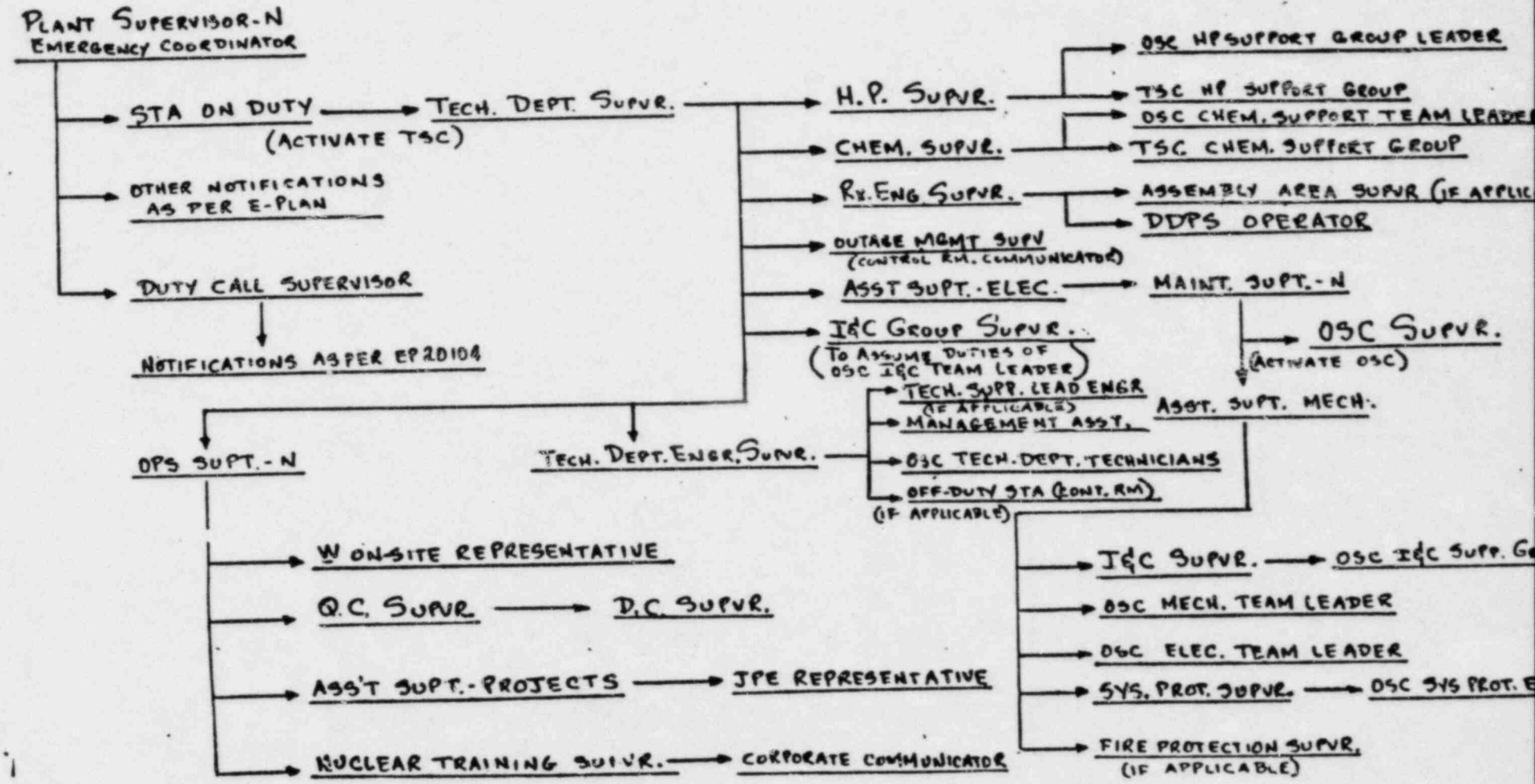
Nuclear Operations:

On-Shift Personnel:

Nuclear Turbine Operator (NTO)
Nuclear Operator (NO)
Auxiliary Equipment Operator (AEO)

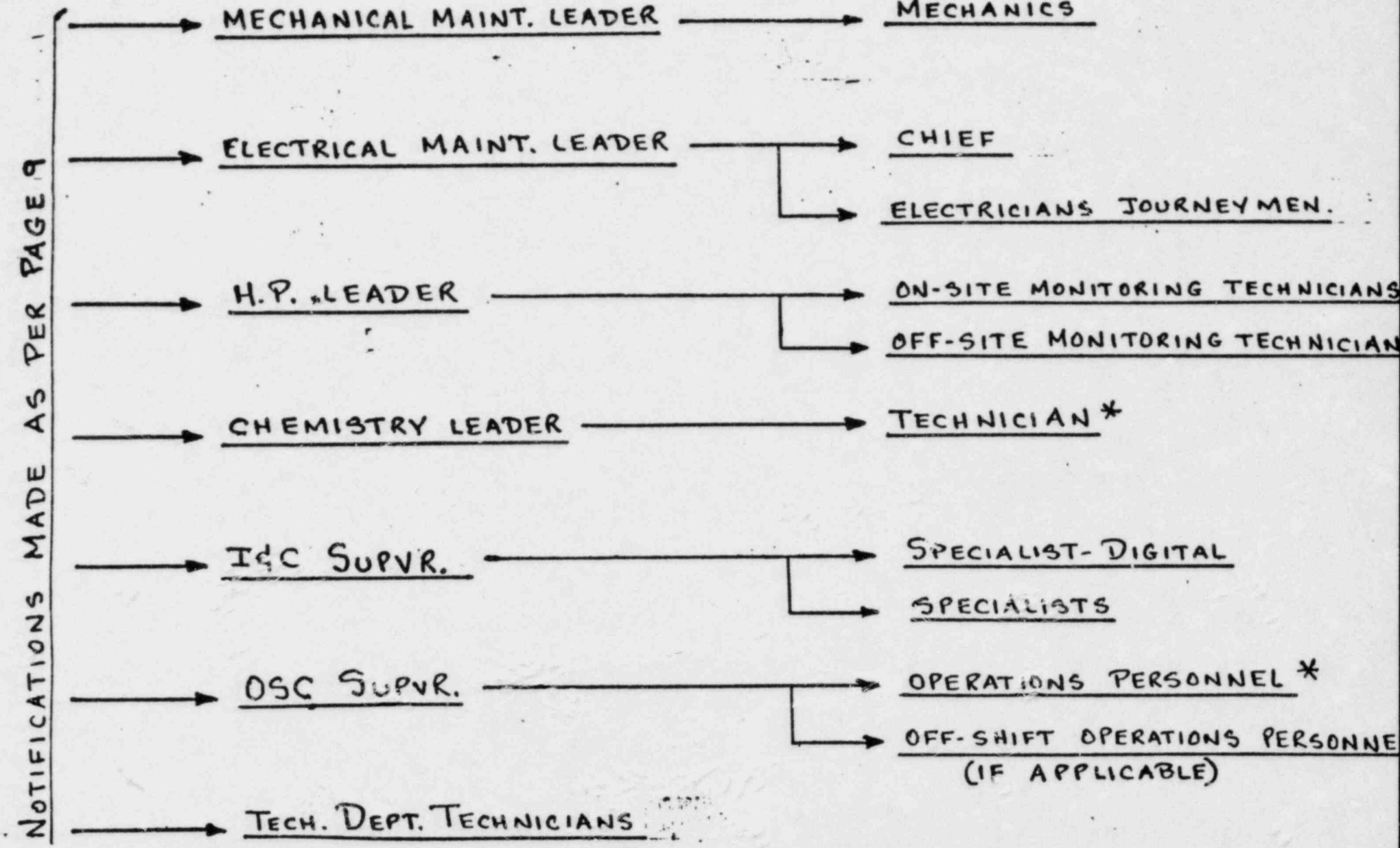
## APPENDIX B

## TSC Notifications Flowpath



APPENDIX B (cont'd)

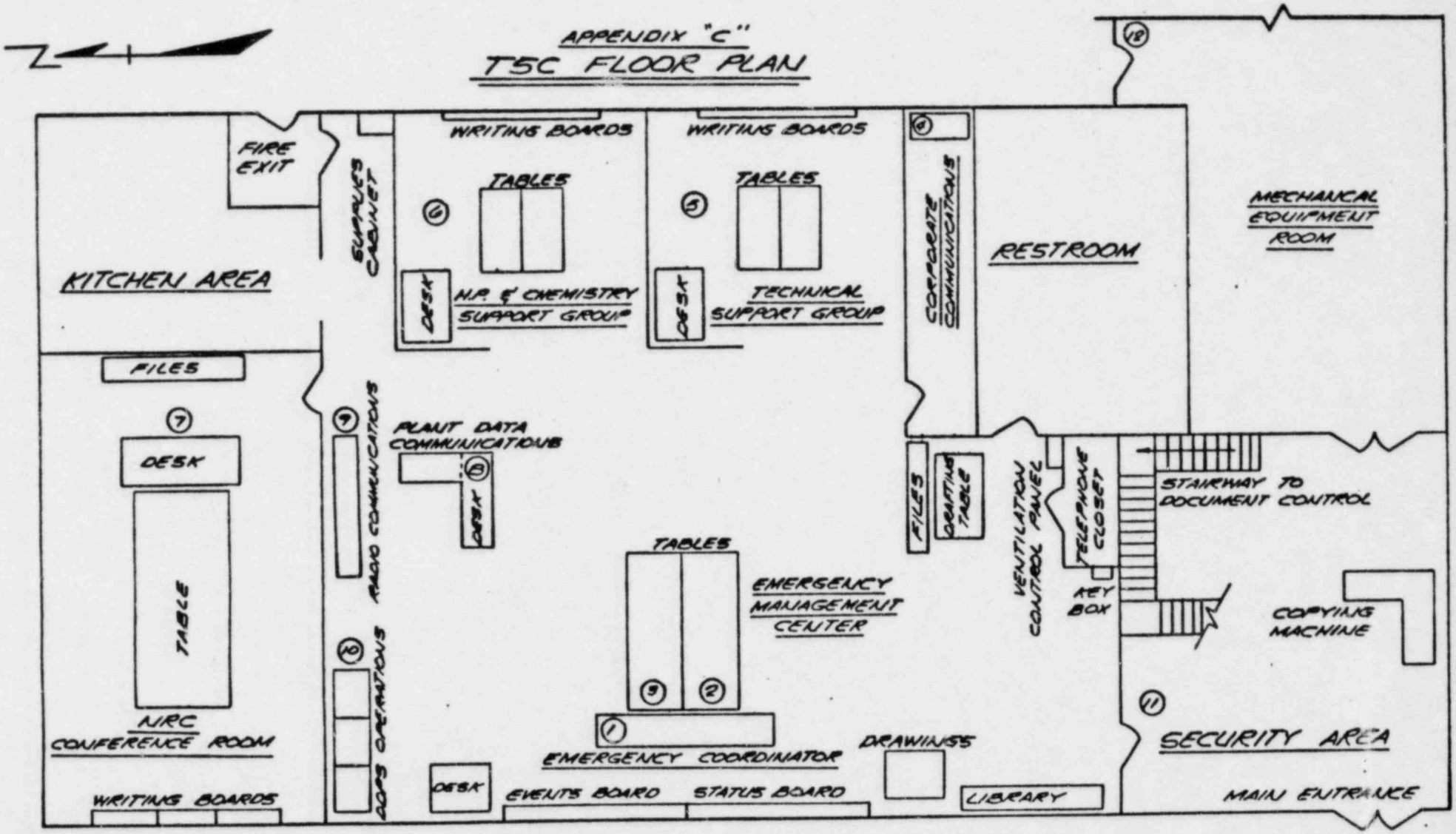
OSC Notifiations Flowpath



APPENDIX C

APPENDIX "C"

# TSC FLOOR PLAN




NOTES:

1. REFER TO APPENDIX "D" FOR TSC PHONE LIST.
2. ○ THIS SYMBOL DEPICTS PHONE LOCATIONS.

## APPENDIX D

### On-Site Support Centers Telephone Listing Technical Support Centers

**Emergency Management Center**

Emergency Coordinator - Location 1

Direct outside line
ENS - NRC (Red Phone) GPO-1496
Management Phone (Ivory Phone) Ext. 24
Circuit Numbers 70 PLNT 2145
2146
2147

Maintenance Superintendent - Location 2

with headset.
Plant (Pax) Phone Ext. 131

Operations Superintendent - Location 3

with headset
with speaker box

Corporate Communications - Location 4

Direct outside line - Notepad
Direct outside line - Omnifax

Technical Support Group - Location 5

with speaker box
with headset
Direct outside line
Plant (Pax) Phone Ext. 129

H.P. and Chemistry Support Group - Location 6

with headset
with speaker box
Direct outside line
Plant (Pax) Phone Ext. 129

APPENDIX D (cont'd)

NRC Conference Room - Location 7

Direct Outside Line - Omnifax
Direct Outside Line
Direct Private Outside Line
ENS (Red Phone) CKT. GP 01496
HPN (Off-white Phone) CKT. GDA 02062
Code 93 Broadcast 25
Management Phone (Ivory) Ext. 24
CKT. 70 PLNT 2145
2146
2147
Plant (Pax) Phone Ext. 189
Plant Page (P.A.) Equipment

Plant Data Communications - Location 8

A switchboard set is located at this area which contains all extensions of 245-2910 available in the TSC. Also the following direct outside lines are available:

Radio Communications - Location 9

State Hot Ring down phone CKT 30 PLNT 310414

NOTE: At this time, this line is not operational as per state officials.

Local Government Radio (LGR) - KYQ 332
Load Dispatcher Radio - KGS 770
Plant (Pax) phone Ext. 184
Plant page (P.A.) equipment

DDPS Operations - Location 10

Plant (Pax) phone Ext. 132

Security Area - Location 11

Plant (Pax) phone Ext. 184
Plant page (P.A.) equipment

APPENDIX D (cont'd)

Mechanical Equipment Room - Location 12

Plant (Pax) phone Ext. 184
Plant page (P.A.) equipment

Operational Support Center

NOTE: Communication lines are being reviewed at this time for the OSC to ensure adequate links to perform emergency response duties. When completed, this procedure will be modified to include the pertinent changes.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20112
SEPTEMBER 27, 1982

1.0 Title:

COMMUNICATIONS NETWORK

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 9/27/82 Reviewed by PNSC September 27, 1982

Approved by D W Haase for Plant Mgr-N, 10/5/ 1982

Approved by C D Wady for Vice President of Nuclear Energy 10-6 1982

2.2 List of Effective Pages:

| Page | Date | Page | Date | Page | Date | Page | Date |
|---|---|---|---|---|---|---|---|
| 1 | 9/27/82 | 5 | 9/27/82 | 9 | 3/26/81 | 13 | 9/27/82 |
| 2 | 3/26/81 | 6 | 3/26/81 | 10 | 9/27/82 | 14 | 9/27/82 |
| 3 | 3/26/81 | 7 | 11/12/81 | 11 | 9/27/82 | 15 | 9/27/82 |
| 4 | 9/27/82 | 8 | 3/26/81 | 12 | 9/27/82 | 16 | 9/27/82 |
| | | | | | | 17 | 9/27/82 |

3.0 Scope:

3.1 Purpose:

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

3.2 Discussion:

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

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

3.3 Authority:

Turkey Point Plant Emergency Plans

3.4 Definitions:

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

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

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

3.4.2 Motor Maintenance Circuit: A communications circuit, separate from the PA System, but using 120V AC power from the PA System power supply source. This circuit consists of various outlets throughout the plant, near major equipment both inside and outside the containment and at the fuel handling areas, into which a headset with a microphone can be plugged, to enable communication to be carried on while leaving the operator's hands free. Outlets for this circuit are also provided in the control room of Units 3 and 4 so that communications between the control room and stations can be established as well as communication between stations.

3.4.3 PAX Telephone System: A dial telephone system installed throughout the Protected Area. The exchange for this system is located in the Units 1 and 2 cable spreading room and is powered from a 48V battery and charger arrangement on Units 1 and 2.

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

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

3.4.5 FM Radio System: A FM transmitter-receiver is located in the Unit 1 and 2 control center; a microphone and speaker from this radio are located in the Unit 3 and 4 control center. This radio will provide back-up communications between Turkey Point Plant, the System Operations Office, and the Cutler Plant. The System Operations Office has direct telephone lines and either direct, patch, or indirect radio contact with all plants, radio-equipped vehicles and service centers in the FPL system.

3.4.6 Portable Radio Transmitter-Receiver Sets: (Walkie-Talkies) Various portable radio transmitter-receiver sets are available to supplement the fixed communications equipment in the plant. These radios are light-weight battery operated sets which may be easily carried by personnel to any location on the plant site. Some of these portable radios are capable of communicating with the FM radio transmitter-receiver station described in step 3.4.5 over a range of several miles.

3.4.7 Miami Area Inter-Office Dial System: Each of the several Company offices in the Miami Area have their own switchboard and telephone exchange number. There is also a tie line system whereby inter-office direct dialing can be accomplished. Offices on this system include most of the Miami Area FPL offices. Each switchboard also has an intra-office direct dial system.

3.4.8 Radio Paging System: Telephones in the Miami Area inter-office dial system are interconnected to the Radio Paging System. This system is capable of reaching beepers anywhere in Dade, Broward, Palm Beach and Sarasota Counties. Beepers are regularly assigned to key personnel in the Off-Site Emergency Organization as shown on the Emergency Roster, and additional beepers can be quickly assigned if required in an emergency. A beeper is also assigned to the Duty Call Supervisor. Assignment of beepers is shown in Emergency Procedure 20104, Emergency Roster.

3.4.9 Company Radio System: The Company radio system consists of fixed base FM radio stations in the System Operations Power Coordinator, Miami Division Load Dispatcher, trouble dispatcher offices, service centers and power plants, plus numerous mobile units in automobiles, trucks, and mobile service equipment. In the event of interruption of electric service to the base radio stations, emergency power can be supplied with existing equipment.

3.4.10 National Warning System (NAWAS): The NAWAS is installed in the Nuclear Plant Supervisor's office. This system uses commercial, protected telephone land lines. The initial emergency notification to the State Warning Point at the Bureau of Disaster Preparedness and the Dade County Civil Defense Coordinator for Site Area Emergency and General Emergency will be made via NAWAS unless NAWAS is inoperable, then notification will be made by telephone. Notification for ALERT is by telephone.

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

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

4.0 Precautions:

4.1 Whenever the PA system is in use and is required for an emergency communication, the parties using the PA system shall cease their use of the equipment after the person requesting right of way has identified himself and stated that the system is required for emergency use.

4.2 Do not keep the code call or the PA Systems busy unnecessarily; if a prolonged conversation is to be carried on, request the other party to call your station on the PAX phone, thus releasing the code call or PA System for other use.

4.3 Always speak clearly and with normal tone and loudness when using any of the communications systems described.

4.4 Do not leave the PA System page button depressed while carrying on a normal conversation, as this will keep the PA on the page channel and the channel will not be able to be used by another party.

4.5 The FM radio set is to be used only for backup communications when the Bell System telephones are out of commission.

4.6 All radio communications shall be conducted in accordance with Federal Communications Commission regulations and company rules as set forth in Reference 6.3, FPL Radio Operations Handbook.

5.0 Responsibilities:

5.1 |See Section 8.12|

6.0 References:

6.1 FSAR Section 7.7, Operating Control Stations

6.2 Turkey Point Plant Emergency Plans

6.3 FPL Radio Operations Handbook

6.4 |NRC HPN Manual|

6.5 Emergency Procedure 20113, Maintaining Emergency Preparedness, Emergency Exercises, Drills, Tests and Evaluations

7.0 Records and Notifications:

|Completed copies of Appendix B of this procedure constitute quality assurance record and, therefore, shall be retained in accordance with Administrative Procedure 0190.14, Document Control and Quality Assurance Records|.

8.0 Instructions:

8.1 Normal Use of the Public Address (PA) System

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

8.1.2 To use the PA System, proceed as follows:

1. Remove the handset from its holder and depress the page pushbutton.

2. Speak clearly with normal tone and loudness directly into the microphone and call out the desired person's name twice.

3. Release the page pushbutton and wait until the party called answers the page.

4. If no other conversation is being carried on the party line channel, proceed with your conversation.

5. If a long conversation is to be carried on, request the other party to call you at your station on the PAX telephone and release the PA for other use.

6. To answer a call on the PA, remove the handset from the holder and acknowledge the call.

7. To terminate the conversation, hang the handset on the holder.

8. If the system had been merged with the system on Units 1 and 2, separate the system at this time by returning the switches in each control room to their normal position.

8.2 Emergency Use of the PA System:

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

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

1. Remove the handset from its holder, depress the page pushbutton and with a clear voice state that this is an emergency call and state the nature of the emergency and any appropriate instructions required. As long as the page pushbutton is depressed, all the PA speakers in the circuit will broadcast the message. This does not interfere with conversation being carried on the party channel.

2. After the initial emergency warning and instructions are issued, release the page pushbutton and request than anybody still using the party channel for other than emergency related communications, release the party line for emergency use.

3. Depending on the nature of the emergency, further instructions and emergency communication can be given on the party line channel, or if a large area of the plant is involved and it is necessary to communicate with a number of persons at once, the page channel may be used continuously by keeping the page pushbutton depressed.

4. When the nature of the emergency condition is such that warnings or information must be issued through out all of the Protected Area merge the PA System on Units 3 and 4 with the one on Units 1 and 2 by use of the switch located in the control center of 3 and 4 Units or by requesting that the Units 1 and 2 Control Center Operator do so using the switch located in the Units 1 and 2 control center.

5. When the emergency is over, announce it on the PA System and issue any instructions related to the resumption of normal operations, by use of the page channel of the system. If only local instructions to one person or group of persons is required, these can be issued on the party line channel after first calling them on the page channel.

6. If the system had been merged with the system on Units 1 and 2, separate the system at this time by returning the switches in each control center to their normal position.

8.3 Normal and Emergency Use of the Motor Maintenance Circuit:

8.3.1 This communications system will be used mainly for communications between personnel working on a particular piece of equipment and the control center or another station on the system. It will also be used when fuel handling is in progress, to communicate between the various fuel handling stations without tying up the PA or PAX facilities at those stations.

8.3.2 This system may be used during emergencies to communicate and issue instructions to personnel working to correct the emergency condition, or stationed by the areas where outlets from this system are located, thus leaving the PA and PAX systems clear for other emergency related use.

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

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

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

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

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

1. To use the system as an in-plant dial telephone system, dial the three digit number corresponding to the station being called. All numbers on both units can be reached from any PAX telephone in the Protected Area.

2. To use the code call feature of the system, it is necessary to first dial the digit 7; this connects the code call circuit to the PAX telephone system. After dialing 7, dial the three digit code number assigned to the person wanted. A system of bells, horns and lights located throughout the Protected Area will sound and flash the code number called until the call is answered. In order to answer the call, the person assigned the code which is being called shall dial the digit 8 on any PAX telephone.

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

3. There is a red telephone for emergency communications in the control room; dialing 260 will cause the telephone to ring. This telephone shall be used only for emergency communications.

4. To connect the PAX telephone system to the PA systems for paging purposes only, dial 299 to connect the telephone to the Units 1 and 2 PA system, or 399 to connect to the Units 3 and 4 PA system. Request that the person being paged call you on your PAX phone, by giving your PAX number.

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

8.5 Use of the Bell System Telephones:

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

8.5.2 The use of the Bell System telephone lines is normally unrestricted (except for placing long distance calls) and outgoing calls may be made using standard Bell System procedures after dialing (9) to obtain an outside line. To place a long distance call during normal working hours, contact the switchboard operator and request a long distance line, giving the area code and number desired and your name. The switchboard operator will connect you to a long distance line and you then dial the number desired. During off hours, when the switchboard is closed, long distance calls cannot be made.

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

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

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

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

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

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

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

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

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

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

8.6 Use of FM radio transmitter - receiver station:

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

8.6.2 The FM radio set is to be used only for backup communications during periods of failure of the normal Bell Telephone System.

8.6.3 The radio consoles located in both Units 1 and 2 and 3 and 4 control centers are always ON and monitoring the assigned frequency. Any transmission from the System Operations Power Coordinators Office, Cutler Plant, or portable radios to the plant will be received without having to operate the set.

8.6.4 All radio communications shall be conducted in accordance with Federal Communications Commission regulations and company rules as set forth in Reference 6.3, FPL Radio Operations Handbook.

8.7 Various portable radio transmitter-receivers are available in the plant for communication with personnel in the outlying areas. Some of these portable radio sets are capable of communicating with the FM radio transmitter-receiver described in Section 8.6.

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

8.8 Use of the National Warning System (NAWAS)

8.8.1 The NAWAS is used, unless inoperative or unavailable, for announcing the initial warning to the State Warning Point at the Bureau of Disaster Preparedness (BDP) and Dade County Civil Defense Coordinator of a SITE AREA or GENERAL EMERGENCY.

8.8.2 The NAWAS is a direct, protected telephone land line with the handset installed in the Nuclear Plant Supervisors Office in Units 3 and 4 control center.

8.8.3 Picking up the handset from its cradle activates a response AT the State Warning Point and Dade Civil Defense offices. The Nuclear Plant Supervisor will advise the personnel on the other end of the system, in a coded message, of the conditions at the plant. He then places the handset back on its cradle, as this is the only use for it during an emergency. His message will activate the required state and local emergency teams.

8.9 Use of the Local Government Radio (LGR)

8.9.1 The LGR is used, unless inoperative or unavailable, for maintaining communications with various state and local disaster preparedness personnel. Messages are transmitted and received on frequencies allocated by the state BDP.

8.9.2 The LGR control unit is installed in the Nuclear Plant Supervisor's office in Units 3 and 4 control center, |with an extension in the TSC|.

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

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

| NORMAL SYSTEM | ALTERNATES |
|---|---|
| PAX Phone System | PA System and Bell System Extensions |
| PA System | Portable Radios, PAX Telephones |
| Bell System Telephone | FM Radio Transmitter-Receiver |

8.11 Use of Emergency Notification System

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

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

1. Any incident resulting in valid safeguards initiating,

2. Any situation requiring control room evacuation,

3. Initiating of the emergency plans for ALERT, SITE AREA or GENERAL EMERGENCY in accordance with Emergency Procedure 20103, Classification of Emergencies.

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

8.12 TSC and OSC Communications:

8.12.1 Communication lines for the TSC and OSC shall be checked on a quarterly basis to assure operability in case the TSC and OSC activation is deemed necessary, except for LGR which will be checked on a monthly basis (Refer to Emergency Procedure 20113, Section 8.1.6).

Technical Department is responsible for conducting the aforementioned check.

8.12.2 "Appendix A" for this procedure provides a checklist which shall be used by the person designated to conduct the check. After completion, the "Appendix B" shall be turned over to the Technical Department Supervisor for review and signature.

8.12.3 The individual designated to conduct the check will be responsible for assuring the operability of all communication lines, including corrective action to be taken if a malfunction is discovered. If this is the case, notification shall be made to the Technical Department Supervisor.

NOTE: OSC communication lines are being reviewed at this time in order to ensure adequate links to perform emergency response duties. When completed, this procedure will be modified to include the pertinent changes.

## APPENDIX A

### Communication Lines Checklist for TSC and OSC
(Refer to EP 20105 for phone locations)

Verification of Bell Phones (Direct outside lines):

| | INITIALS |
|---|---|
| (Emergency Coordinator) | |
| (Technical Support) | |
| (HP and Chemistry) | |
| (Notepad) | |
| (Omnifax) | |
| (NRC Omnifax) | |
| (NRC) | |
| (NRC Private Line) | |

Verification of Bell Phones (Extensions of Plant Switchboard ):

Where applicable, special equipment shall be checked:

| Emergency Management Center | INITIALS |
|---|---|
| with Headset | |
| with Headset | |
| with Speaker Box | |

| Technical Support | |
|---|---|
| with Speaker Box | |
| with Headset | |
| with Headset | |

| HP and Chemistry | |
|---|---|
| | |
| | |
| with Headset | |
| with Speaker Box | |

| Corporate Communications | |
|---|---|
| | |

| NRC Conference Room | |
|---|---|
| | |
| | |
| | |

| DUPS Operations | |
|---|---|
| | |

Security Area

**Verification for Special Circuits:**

ENS (Red Phone - NRC Direct Line) GPO-1496

Emergency Management Center
NRC Conference Room

When checking these circuits, please proceed by using the following instructions.

1. Pick up the phone (No dialing necessary).
2. When Atlanta operations answer, the following message shall be given: "This is Turkey Point Plant TSC, conducting our quarterly communications check. How do you hear me?"
3. If the communication is clear, acknowledge and hang up.

Management Line Phones (Ivory)

Emergency Management Crisis Center
NRC Conference Room

When checking these circuits, please proceed by using the following instructions:

1. Refer to operating instructions attached to the phones.
2. There are three available lines. Verify that only one is operable.
3. Notify the answering party of the intent of the call by relaying the following message:

   "This is Turkey Point Plant TSC conducting our quarterly communications check. How do you hear me?"

4. If communication is established and heard clearly, proceed to acknowledge and hang up.

Health PHysics Network (HPN) (Off-white) INITIALS

NRC Conference Room

When checking this circuit, please proceed by using the following instructions:

1. Lift the receiver, no dial tone will be heard.
2. Push * (asterisk) and then 23. This will connect with NRC Region 2 office. No ring will be heard from the TSC phone.

3. Relay the following message:

"This is Turkey Point Plant TSC, conducting our quarterly communications check. How do you hear me?"

4. If the communication is clear, acknowledge and hang up.

For additional instructions, please refer to the NRC HPN Manual located in the NRC Conference Room.

State Hot Ringdown Line Circuit 30 PLNT 310414

This line has not been declared operational by state officials and is not covered by this procedure.

**Verification for Radios**

Local Government Radio (LGR) KYQ 332 INITIALS

Radio Communications Area _____

When checking this radio, please proceed by using the following instructions:

1. Follow instructions in Section 8.9 of this procedure to establish communications. Also refer to operating instructions attached to the radio.

2. Refer to Emergency Procedure 20113, Section 8.1.6 for contacts when conducting this check.

3. Identify the communication originator by relaying the following message:

"(See Step 2), this is Turkey Point Plant TSC, do you read?"

When acknowledgment is received continue with:

"(See Step 2), this is Turkey Point Plant TSC, conducting our monthly communications check, how do you read me?"

4. After communication has been verified conclude with:

"This is Turkey Point Plant TSC, over and out KYQ 332"

Load Dispatcher Radio KGS 770 INITIALS

Radio Communications Area _____

When checking this radio, please proceed by using the following instructions:

1. See Section 3.4.9 for description.

2. Identify the communication originator by relaying the following message:

"System, this is Turkey Point Plant TSC do you read?"

When acknowledgment is received continue with:

"System, this is Turkey Point Plant TSC conducting our quarterly communications check, how do you read me?"

3. After communication has been verified conclude with:

"This is Turkey Point Plant TSC, over and out - KGS 770".

**Verification of In-Plant Communications:**

| P. A. System (Page Phone) | INITIALS |
|---|---|
| Security Area | _____ |
| Mechanical Equipment Room | _____ |
| NRC Conference Room | _____ |
| Radio Communications Area | _____ |

1. For the above equipment, verify operability by paging and receiving messages.

PAX Phones

| | | |
|---|---|---|
| Ext. 129 | Two Locations: | |
| | HP and Chemistry | _____ |
| | Technical Support | _____ |
| Ext. 131 | Emer. Mgment Crisis Center | _____ |
| Ext. 132 | DDPS Operations | _____ |
| Ext. 184 | Three Locations: | |
| | Mechanical Equipment Room | _____ |
| | Security Area | _____ |
| | DDPS Operations | _____ |
| Ext. 189 | NRC Conference Room | _____ |

| FOR DOCUMENT CONTROL USE ONLY |
| --- |
| T CPS |
| T DATE |
| T YTI |
| T DEPT |
| T DOCT |
| T DOCN |
| T SYS |
| T COMP |
| T ITM |
| T RET |

## APPENDIX B

## COMMUNICATIONS CHECK VERIFICATION SHEET

TSC communication check completed on: _____
(Date)

Checks completed by: _____
Name/Signature

Malfunctions Found (if any):

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Reviewed by: _____ Date _____
Technical Department Supervisor